

# **NATIONAL COMPETITIVE BIDDING**

## **TENDER ENQUIRY DOCUMENT**

**NORTH EASTERN INSTITUTE OF AYURVEDA &  
HOMEOPATHY, (NEIAH), SHILLONG**

**MINISTRY OF HEALTH & FAMILY WELFARE,  
GOVT. OF INDIA**

**TENDER**

**FOR**

**SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL  
EQUIPMENT AT NORTH EASTERN INSTITUTE OF AYURVEDA &  
HOMEOPATHY,  
(NEIAH), SHILLONG**



**HSCC (INDIA) LTD**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

Plot No. 6-A, Block-E,

Sector-1,

NOIDA (U.P.) - 201 301

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**HSCC/PUR/NEIAH/EQUIPMENT/2014**

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**North Eastern Institute of Ayurveda & Homeopathy (NEIAH),  
Shillong  
Under Department of AYUSH,  
Ministry of Health and Family Welfare, Government of India.**

**Section-I  
NATIONAL COMPETITIVE BIDDING (ICB)  
INVITATION FOR BIDS (IFB)  
FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL EQUIPMENT**

**IFB Reference: HSCC/PUR/NEIAH/Medical Equipment/2014**

**Dated: 11.08.2014**

**North Eastern Institute of Ayurveda & Homeopathy (NEIAH), Shillong, Meghalaya** under Department of AYUSH, Ministry of Health and Family Welfare, Government of India through its consultant **HSCC (India) Ltd.** invites sealed bids from eligible bidders, in Single stage two bid system, for Supply, Installation, Testing & Commissioning and handing over of various **Medical Equipment** at North Eastern Institute of Ayurveda & Homeopathy (NEIAH), Shillong, Meghalaya for Departments viz. **Surgery, Radio-diagnosis, Gyn., Laboratory, Panchkarma etc.**

For detailed IFB and downloading of Bidding Documents please log on to [www.hsccltd.co.in](http://www.hsccltd.co.in), [www.eprocure.gov.in](http://www.eprocure.gov.in) or [www.neiah.nic.in](http://www.neiah.nic.in). The Bidding Document can be downloaded from 19.8.2014 to 19.9.2014. A complete set of Bidding Document in English may also be purchased as per the schedule specified in the detailed IFB by any interested bidder from 10.00 Hrs. IST to 16.30 Hrs. IST by payment of tender fee i.e. Rs. 1,000/- by cash/DD in favor of M/s. HSCC (India) Ltd, Noida payable at Noida/Delhi. on all working days on the submission of a written request to the HSCC (I) Ltd., Plot No. E-6 (A), Sector- 1, NOIDA, U. P. The schedule of sale of Bidding Documents, date of submission and opening of bids has been given in the Bidding Document.

The detailed IFB, corrigendum/modification/amendments, if any, will only appear on websites [www.hsccltd.co.in](http://www.hsccltd.co.in) or [www.eprocure.gov.in](http://www.eprocure.gov.in) or [www.indianmedicine.nic.in](http://www.indianmedicine.nic.in)

Director, NEIAH,  
Shillong

**North Eastern Institute of Ayurveda & Homeopathy (NEIAH),  
Shillong**  
**Under Department of AYUSH,  
Ministry of Health and Family Welfare, Government of India.**

**Section-I**  
**NATIONAL COMPETITIVE BIDDING (ICB)**  
**INVITATION FOR BIDS (IFB)**  
**FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL EQUIPMENT**

IFB Reference: HSCC/PUR/NEIAH/Medical Equipment/2014

Dated: 11.08.2014

(1) Director, North Eastern Institute of Ayurveda & Homeopathy (NEIAH), Shillong under Govt. of India through HSCC (India) Ltd invites sealed tenders, from eligible and qualified tenderers for supply of following Medical Equipments to NEIAH, Shillong:

Schedule No.	Name of Equipment/Item	Qty.	Depart-wise Distrubution	EMD (Rs.)
1	Digital X-Ray Machine	2	1 each for Ayurveda & Homeopathy - Diagnostic	260,000.00
2	Ultrasound Machine	2	1 each for Ayurveda & Homeopathy - Diagnostic	120,000.00
3	Electrocardiograph (12 channels)	3	1 each for Ayurveda & Homeopathy – Diagnostic + 1 for Ayurveda Physiology Lab.	12,000.00
4	Electrocardiograph (Single channels)	1	For Deptt. of Physiology - Ayurveda	3,000.00
5	Multiparameter Monitor	6	5 (for Ayurveda OT) + 1 (Homeopathy OT)	48,000.00
6	Electro-Hydraulic Operation Table	2	1 (for Ayurveda OT) + 1 (Homeopathy OT)	80,000.00
7	Ophthalmic Electro-Hydraulic Operation Table with Head Rest	1	1 (for Ayurveda OT)	40,000.00
8	OT Ceiling Shadow less Lights (Double Dome)	2	1 each for Ayurveda & Homeopathy OT	64,000.00
9	OT Ceiling Shadow less Spot Light (Single Dome)	2	1 each for Minor OTs	28,000.00
10	Boyles Anesthesia Machine	3	2 For Ayurveda OT + 1 For Homeopathy OT	96,000.00
11	Rigid Laryngoscope (Adult & Pediatrics)	5	Ayurveda (3 for OT + 1 for Path. Lab.) & 1 for Homeopathy (OT)	60,000.00
12	Flexible Sigmoidoscope with Light Source	2	For Ayurveda OT	52,000.00

13	Rigid Sigmoidoscope with Light Source	1	For Homeopathy OT	20,000.00
14	Mobile Light Shadow less	2	For Labor Rooms (Ayurveda)	28,000.00
15	Spirometer	2	1 each for Ayurveda & Homeopathy Physiology Lab.	16,000.00
16	Electro Cautery	3	1 (for Ayurvedic OT) + 1 (for Homeopathic OT) + 1 (for Labour Room – Ayurveda)	30,000.00
17	Automated Biochemistry Analyzer	1	Pathology Lab. (Rog-Nidan) – Ayurveda	23,000.00
18	Automatic Cell Counter 5 part with Automatic Reticulocyte Count	1	Homeopathy – Deptt. of Physiology	50,000.00
19	Deep Freezer (-20 deg.)	1	Ayurveda (Misc.)	5,200.00
20	Refrigerator Frost Free (400 ltrs.)	3	Ayurveda (Misc.)	2100.00
21	Centrifuge (medium speed electric)	3	2 for Physiology Deptt.(Homeopathy), 1 for Biochemistry Deptt. (Homeopathy)	6,000.00
22	Centrifuge (with speed control-Table Top)	2	1 for Biochemistry Deptt. (Homeopathy) 1 for Physiology Lab. (Ayurveda)	3,000.00
23	Bone Drill Machine & Bone Cutter	2 each	1 each for Ayurvedic & Homeopathy OT	40,000.00
24	Suction Machine / High-Pressure Noiseless Suction Unit	11	5 for Ayurveda OT, 3 for Ayurveda (Misc.), 1 for Homeopathy Hospital, 2 for Homeopathy OT	27,500.00
25	Water Bath	28	2 for Biochemistry (Homeopathy), 25 for Homeopathy Pharmacy + 1 for Ayurveda Path. Lab.	16,800.00
26	Electronic Balance (0.001gm – 500gm)	3	2 for Biochemistry (Homeopathy), 1 for Homeopathy Pharmacy	6,000.00
27	Colorimeter (photo electric)	3	1 for Ayurveda Physiology Lab. + 2 for Homeopathy Physiology Lab.	12,000.00
28	Colorimeter	3	2 for Homeopathy Biochemistry + 1 for Homeopathy Pharmacy Lab.	12,000.00
29	Dissecting Microscope	2	For Homeopathy Pharmacy	8,000.00
30	Binocular Microscope (Medical/Student Type)	25	Homeopathy Anatomy	25,000.00

31	Binocular Microscope (Teaching/Research)	1	Ayurvedic Pathlab.	4,000.00
32	Monocular Microscope with Oil Immersion	2	1 for Ayurveda Physiology Lab. + 1 for Ayurveda Path. Lab.	8,000.00
33	PAN Endoscopy Surgical Instruments	Set		27,000.00
34	Nebulizer	6	Ayurveda	18,000.00
35	Phototherapy Unit (LED)	1	Ayurveda (Labour Room)	4,000.00
36	Droni	2	Panchkarma Package for Ayurveda. All items must be quoted.	22,000.00
	Steam bath Chambers	2		
	Avagahasweda tub	2		
	Sirovasti cap	2		
	Vamanpeetha	2		
	Nadiswedayantra	2		
	Dhara Stand	1		
	Dharapatra	1		

(2) **Tender No.: HSCC/PUR/NEIAH/EQUIPMENT/2014**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	<b>19.08.2014 to 19.09.2014</b>
ii.	Place of sale of Tender Enquiry Documents	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)-201301
iii.	Cost of the Tender Enquiry Document	INR 1,000/-
iv.	Pre Tender Meeting Date & Time	<b>29.08.2014, 2.00 P.M.</b>
v.	Pre Tender Meeting Venue	Same as (ii)
vi.	Reply of Pre-bid Meeting queries	<b>08.09.2014</b>
vi.	Closing date & time for Receipt of Tender	<b>19.09.2014, 2.00 P.M.</b>
vii.	Time and date of Opening of Techno – Commercial Tenders	<b>19.09.2014, 2.30 P.M.</b>
viii	Venue of Opening of Techno Commercial Tender	Same as (ii)

3. Interested tenderers may obtain further information about this requirement from the above office selling the documents. Tender Enquiry Documents may be purchased on one time payment of non-refundable fee of **INR 1,000/-** per set in the form of **Cash, Account Payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque**, drawn on a scheduled Bank in India, in favour of **“HSCC (India) Ltd”** payable at New Delhi/Noida.
4. If requested, the Tender Enquiry Documents will be mailed by Registered Post/Speed Post to the domestic tenderers and by international airmail to the foreign tenderers, for which extra expenditure per set will be INR 100/- for domestic post and INR 500/- for international airmail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.
5. Tenderer may also download the tender enquiry documents from the web site <http://eprocure.gov.in/cppp>, [www.neiah.nic.in](http://www.neiah.nic.in) & [www.hscltd.com](http://www.hscltd.com) and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.
6. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated in the Para 2 above.
7. Tenderers shall ensure that their tenders, complete in all respects, are dropped in the Tender Box located at **HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) – 201 301** on or before the closing date and time indicated in the Para 2 above, failing which the tenders will be treated as late and rejected.
8. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.
9. The Tender Enquiry Documents are not transferable.

**Director,  
NEIAH, Shillong**

## SECTION - II

### GENERAL INSTRUCTIONS TO TENDERERS (GIT) CONTENTS

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# GENERAL INSTRUCTIONS TO TENDERERS (GIT)

## A. PREAMBLE

### 1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

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

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

## 2. Introduction

- 2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – "List of Requirements", which also indicates, *interalia*, the required delivery schedule, terms and place of delivery.
- 2.2 This section (Section II - "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.
- 2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.

2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

### **3. Availability of Funds**

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

### **4. Language of Tender**

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

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

### **5. Eligible Tenderers**

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

### **6. Eligible Goods and Services**

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

### **7. Tendering Expense**

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

## **B. TENDER ENQUIRY DOCUMENTS**

### **8. Content of Tender Enquiry Documents**

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

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

- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Instructions from Ministry of Shipping/ Surface Transport (Annexure 1 & 2)
- Section XX – Check List for the Tenderers
- Section XXI – Consignee List

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

### **9. Amendments to TE documents**

9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.

9.2 Such an amendment will be notified in writing by registered/speed post or by fax/telex/e-mail, followed by copy of the same by registered post to all prospective tenderers, which have received the TE documents and will be binding on them.

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

### **10. Clarification of TE documents**

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

## **C. PREPARATION OF TENDERS**

### **11. Documents Comprising the Tender**

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

#### **A) Techno – Commercial Tender (Un priced Tender)**

- i) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- ii) Tender Form as per Section X (without indicating any prices).
- iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.

- iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form.
- v) Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer's Authorisation Form.
- vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
- vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- viii) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
- ix) Certificate of Incorporation in the country of origin.
- x) Checklist as per Section XX.

**B) Price Tender:**

The information given at clause no. 11.1 A) ii) & viii) above should be reproduced with the prices indicated. **In case of tenderer quoting for more than 1 (one) item, the prices for the quoted items should be submitted in separate sealed covers.**

**NOTE:**

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

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

**NOTE:**

1. In case of (ii) above, a copy of the partnership agreement or general power of attorney, in either, case, attested by a Notary Public should be furnished, or affidavit on stamped paper of all the partners admitting execution of the partnership agreement or the general power of attorney should be furnished.
  2. In case of the Partnership firms, where no authority to refer disputes concerning the business of the partnership has been conferred on any partner, the tender and all other related documents must be signed by every partner of the firm.
  3. A person signing the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrantee that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.
- 11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.
- 11.4 Tender sent by fax/telex/cable/electronically shall be ignored.

## **12. Tender currencies**

- 12.1 The tenderer supplying already imported goods shall quote only in Indian Rupees and shall enclose **“BILL OF ENTRY “**Without this Bill of Entry payment cannot be made.
- 12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.
- 12.3 Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

## **13 Tender Prices**

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified as “NA” by the tenderer.
- 13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
  - b) any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;
  - c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
  - d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
  - e) the prices of Turnkey ( if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
  - f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.
- 13.4.2 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;

- b) The amount of freight and insurance.
- c) the price of goods quoted CIP (at Consignee Site) Basis in India as indicated in the List of Requirements, Price Schedule and Consignee List;
- d) Wherever applicable, the amount of custom duty with CDED applicable on CIP value on the goods to be imported; NEIAH will issue Custom Duty Exemption Certificate (CDEC) where applicable.
- e) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;
- f) the charges for Incidental Services including Custom Clearance, inland transport to Consignee's site, installation & commissioning, supervision, Demonstration & training, as in the List of Requirements and Price Schedule;
- g) the prices of Turnkey ( if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- h) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

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

#### 13.5.2 Excise Duty:

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

#### 13.5.3 Sales Tax:

If a tenderer asks for sales tax/ VAT, Service Tax and Works Contract Tax to be paid extra, the rate and nature of sales tax applicable should be shown separately. The sales tax / VAT, Service Tax and Works Contract Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to sales tax / VAT, Service Tax and Works Contract Tax and is payable as per the terms of the



contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.

#### 13.5.4 Octroi Duty and Local Duties & Taxes:

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

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

#### 13.5.5 Customs Duty:

The Purchaser will pay the Customs duty wherever applicable.

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

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

13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris

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

### **14. Indian Agent**

14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:

- a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
- b) The details of the services to be rendered by the agent for the subject requirement.
- c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
- d) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the agent and the precise relationship between them and their mutual interest in the business.
- e) Principal / manufacturer's original proforma invoice with the price bid.

## **15. Firm Price**

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

## **16. Alternative Tenders**

- 16.1 Alternative Tenders are not permitted.
- 16.2 However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.
- 16.3 a). If a tenderer, 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
- b). 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.

## **17 Documents Establishing Tenderer's Eligibility and Qualifications**

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

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

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

- 18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.
- 18.3 If a tenderer furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

## 19. Earnest Money Deposit (EMD)

- 19.1 Pursuant to GIT clauses 8.1 and 11.1(d) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification" etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).
- 19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
- i) Account Payee Demand Draft
  - ii) Banker's cheque and
  - iii) Bank Guarantee
- 19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "**HSCC (India) Ltd**" payable at New Delhi/Noida. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents
- 19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.
- 19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.
- 19.8 In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.

## 20. Tender Validity

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

## 21. Signing and Sealing of Tender

- 21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.
- 21.2 Unless otherwise mentioned in the SIT, A tenderer shall submit 2 copies of its tender marking them as "Original" and "Duplicate". Duplicate tender may contain all pages including Technical Literature/Catalogues as per in Original tenders.
- 21.3 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 21.4 Both the copies of the tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.
- 21.5 The tenderer is to seal the original and each copy of the tender in separate envelopes, duly marking the same as "Original", "Duplicate", "Triplicate" and so on and writing the address of the purchaser and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before \_\_\_\_\_ (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, the purchaser will not assume any responsibility for its misplacement, premature opening, late opening etc.
- 21.6 TE document seeks quotation following **two Tender System**, in two parts. First part will be known as '**Techno - Commercial Tender**', and the second part '**Price Tender**' as specified in clause 11 of GIT. Tenderer shall seal '**Techno - Commercial Tender**' and '**Price Tender**' separately and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and procedure prescribed in Paras 21.1 to 21.5 followed.

## D. SUBMISSION OF TENDERS

### 22. Submission of Tenders

- 22.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at **HSCC (India) Ltd, Plot E-6 (A), Sector – 1, Noida**. In case of bulky tender,

which can not be put into tender box, the same shall be submitted by the tenderer by hand to **CGM (F&A – Proc.)** or his nominee, **HSCC (India) Ltd, Plot E-6(A) Sector-1, Noida-201301, Uttar Pradesh**. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.

- 22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

### **23. Late Tender**

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

### **24. Alteration and Withdrawal of Tender**

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

## **E. TENDER OPENING**

### **25. Opening of Tenders**

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

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

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

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

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

scrutiny and evaluation on a date notified after the evaluation of the Techno – Commercial tender. The prices, special discount if any of the goods offered etc., as deemed fit by tender opening official(s) will be read out.

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

### **26. Basic Principle**

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

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

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

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

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

27.4 **The following are some of the important aspects, for which a tender shall be declared non – responsive and will be summarily ignored;**

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

### **28. Minor Infirmary/Irregularity/Non-Conformity**

28.1 If during the evaluation, the purchaser find any any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post etc. asking the tenderer to respond by a

specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

## **29 Discrepancies in Prices**

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

## **30. Discrepancy between original and copies of Tender**

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

## **31. Qualification Criteria**

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

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

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

## **33. Schedule-wise Evaluation**

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

### **34. Comparison of Tenders**

**34.1** Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation. **Net Present value (NPV) of the Comprehensive Annual Maintenance charges (CMC) quoted for 3 years after the warranty period shall be added to the bid price for evaluation and will be calculated after discounting the quoted price by a discounting factor of 10% per annum."**

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

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

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

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

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

ii. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L1 price, in a situation where L1 price is from someone other than on MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L1 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 on MSE, failing which their tender will be liable to be ignored.



### **36. Tenderer's capability to perform the contract**

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

### **37. Contacting the Purchaser**

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

## **G. AWARD OF CONTRACT**

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

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

### **39. Award Criteria**

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

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

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

### **41. Notification of Award**

- 41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices

accepted. The successful tenderer must furnish to the purchaser the required performance security within thirty days from the date of dispatch of this notification, failing which the EMD will be forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.

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

#### **42. Issue of Contract**

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

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

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

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

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

#### **44. Return of E M D**

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

#### **45. Publication of Tender Result**

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

#### **46. Corrupt or Fraudulent Practices**

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

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

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

(ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition

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

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

**SECTION - III**  
**SPECIAL INSTRUCTIONS TO TENDERERS**  
**(SIT)**

<b>Sl. No.</b>	<b>GIT Clause No.</b>	<b>Topic</b>	<b>SIT Provision</b>	<b>Page No.</b>
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B	8 to 10	TE documents	No Change	28
C	11 to 21	Preparation of Tenders	No Change	28
D	22 to 24	Submission of Tenders	No Change	28
E	25	Tender Opening	No Change	28
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	28
G	38 to 46	Award of Contract	No Change	28

## **SPECIAL INSTRUCTIONS TO TENDERERS (SIT)**

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

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

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

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

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## **GENERAL CONDITIONS OF CONTRACT (GCC)**

### **1. Application**

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

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

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

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

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

### **3. Patent Rights**

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

### **4. Country of Origin**

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

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

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

### **5. Performance Security**

5.1 Within thirty (30) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract,

valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 30 months from the date of Notification of Award.

- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:
- a) It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.
- 5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.
- 5.4 In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the 'Contract Form – B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.
- 5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

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

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

## **7. Packing and Marking**

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

SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

7.3 Packing instructions:

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

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

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

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, & 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 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 supply shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser / consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser / consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for.”

- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

## **9. Terms of Delivery**

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

## **10. Transportation of Goods**

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

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

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

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

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

## **11. Insurance:**

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

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

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

## **12. Spare parts**

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

- a) The spare parts as selected by the Purchaser/Consignee to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and
- b) In case the production of the spare parts is discontinued:
  - i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
  - ii) Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are used during warranty and CMC period.

## **13. Incidental services**

13.1 Subject to the stipulation, if any, in the SCC (Section – V), List of Requirements (Section – VI) and the Technical Specification (Section – VII), the supplier shall be required to perform the following services.

- i) Installation & commissioning, Supervision and Demonstration of the goods
- ii) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.

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

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

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

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

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

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

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

- B) For goods imported from abroad

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

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

## 15. Warranty

- 15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications*) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 15.2 The **warranty** shall remain valid for 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 and accepted by the purchaser / consignee (s) in terms of the contract, unless specified otherwise in the SCC
- No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.
  - Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work
  - Replacement and repair will be under taken for the defective goods.
  - Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its

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

## **16. Assignment**

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

## **17. Sub Contracts**

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

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

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

## **18. Modification of contract**

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

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

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

## **19. Prices**

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

## **20. Taxes and Duties**

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

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

## **21. Terms and Mode of Payment**

### **21.1 Payment Terms**

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

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

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

**a) On delivery:**

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

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any.
- (v) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
- (vi) Certificate of origin.

**b) On Acceptance:**

Balance 25 % payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. In case where the installation & commissioning or final inspection and test at site is delayed for any reasons for which consignee is responsible, 25% of the contract price shall become payable, after the expiry of six months from the date of arrival of the last consignment at site subject to submission of a Bank Guarantee by the supplier for the said amount valid initially for the period of six months. The supplier shall get the validity of the Bank Guarantee extended for the further period as and when asked for the purchaser.

**B) Payment for Imported Goods:**

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

**a) On Shipment:**

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

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill , marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
- (iii) Four Copies of packing list identifying contents of each package;
- (iv) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
- (v) Manufacturer's/Supplier's warranty certificate;

- (vi) Inspection certificate issued by the nominated inspection agency, if applicable as per contract;
- (vii) Manufacturer's own factory inspection report and
- (viii) Certificate of origin by the chamber of commerce of the concerned country;
- (ix) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd or equivalent (acceptable to the purchaser) prior to despatch.
- (x) Certificate of origin

**b) On Acceptance:**

Balance payment of 25 % of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees to the supplier. The supplier shall submit the original final acceptance certificate to the Purchaser (HSCC India Ltd) who shall issue no objection certificate to the banker for payment through irrevocable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any.

In case where the installation and commissioning or final inspection and test at site is delayed for any reason for which consignee is responsible, 25% of the contract price shall become payable, after the expiry of six months from the date of arrival of the last consignment at site subject to submission of a bank guarantee by the supplier for the said amount valid initially for the period of six months. The supplier shall get the validity of the bank Guarantee extended for the further period as and when asked for by the purchaser.

- c) 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.

**C) Payment of Turnkey, if any:**

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

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

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

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

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

- 21.4 Irrevocable & non – transferable LC shall be opened by the respective consignees. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
  - (b) Delay in supplies, if any, has been regularized.
  - (c) The contract price where it is subject to variation has been finalized.
  - (d) The supplier furnishes the following undertakings:

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

## **22. Delivery**

- 22.1 The supplier shall deliver of the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
  - (ii) forfeiture of its performance security and
  - (iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as



possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

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

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

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

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

22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

## **22.6 Passing of Property**

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

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

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

## **23. Liquidated damages**

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

Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 24.

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

#### **24. Termination for default**

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

#### **25. Termination for insolvency**

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

#### **26. Force Majeure**

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

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

## **27. Termination for convenience**

27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate 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. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by the Director General (Health Services). The award of the arbitrator shall be final and binding on the parties to

the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)

- 30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India.
- 30.4 Jurisdiction of the court will be form 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 contact 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**

- 32.1 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.
- 32.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 32.3 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.
- 32.4 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.
- 32.5 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.
- 32.6 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.
- 32.7 All claims regarding indemnity shall survive the termination or expiry of the contract.

## **SECTION – V**

### **SPECIAL CONDITIONS OF CONTRACT (SCC)**

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

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

**SECTION - VI**  
**LIST OF REQUIREMENTS**

**Part I**

Schedule No.	Name of Equipment/Item	Qty.	Depart-wise Distrubution	EMD (Rs.)
1	Digital X-Ray Machine	2	1 each for Ayurveda & Homeopathy - Diagnostic	260,000.00
2	Ultrasound Machine	2	1 each for Ayurveda & Homeopathy - Diagnostic	120,000.00
3	Electrocardiograph (12 channels)	3	1 each for Ayurveda & Homeopathy – Diagnostic + 1 for Ayurveda Physiology Lab.	12,000.00
4	Electrocardiograph (Single channels)	1	For Deptt. of Physiology - Ayurveda	3,000.00
5	Multiparameter Monitor	6	5 (for Ayurveda OT) + 1 (Homeopathy OT)	48,000.00
6	Electro-Hydraulic Operation Table	2	1 (for Ayurveda OT) + 1 (Homeopathy OT)	80,000.00
7	Ophthalmic Electro-Hydraulic Operation Table with Head Rest	1	1 (for Ayurveda OT)	40,000.00
8	OT Ceiling Shadow less Lights (Double Dome)	2	1 each for Ayurveda & Homeopathy OT	64,000.00
9	OT Ceiling Shadow less Spot Light (Single Dome)	2	1 each for Minor OTs	28,000.00
10	Boyles Anesthesia Machine	3	2 For Ayurveda OT + 1 For Homeopathy OT	96,000.00
11	Rigid Laryngoscope (Adult & Pediatrics)	5	Ayurveda (3 for OT + 1 for Path. Lab.) & 1 for Homeopathy (OT)	60,000.00
12	Flexible Sigmoidoscope with Light Source	2	For Ayurveda OT	52,000.00
13	Rigid Sigmoidoscope with Light Source	1	For Homeopathy OT	20,000.00
14	Mobile Light Shadow less	2	For Labor Rooms (Ayurveda)	28,000.00
15	Spirometer	2	1 each for Ayurveda & Homeopathy Physiology Lab.	16,000.00
16	Electro Cautery	3	1 (for Ayurvedic OT) + 1 (for Homeopathic OT) + 1 (for Labour Room – Ayurveda)	30,000.00
17	Automated Biochemistry Analyzer	1	Pathology Lab. (Rog-Nidan) – Ayurveda	23,000.00
18	Automatic Cell Counter 5 part with Automatic Reticulocyte Count	1	Homeopathy – Deptt. of Physiology	50,000.00
19	Deep Freezer (-20 deg.)	1	Ayurveda (Misc.)	5,200.00
20	Refrigerator Frost Free (400 ltrs.)	3	Ayurveda (Misc.)	2100.00
21	Centrifuge (medium speed electric)	3	2 for Physiology Deptt.(Homeopathy), 1 for Biochemistry Deptt. (Homeopathy)	6,000.00

22	Centrifuge (with speed control-Table Top)	2	1 for Biochemistry Deptt. (Homeopathy) 1 for Physiology Lab. (Ayurveda)	3,000.00
23	Autoclave (Vertical Type)	2	1 for Ayurveda Path. Lab. & 1 for Ayurveda Labor Room	8,000.00
24	Autoclave – High Pressure	3	1 for Ayurvedic OT & 2 for Homeopathy OT	30,000.00
25	Bone Drill Machine & Bone Cutter	2 each	1 each for Ayurvedic & Homeopathy OT	40,000.00
26	Suction Machine / High-Pressure Noiseless Suction Unit	11	5 for Ayurveda OT, 3 for Ayurveda (Misc.), 1 for Homeopathy Hospital, 2 for Homeopathy OT	27,500.00
27	Water Bath	28	2 for Biochemistry (Homeopathy), 25 for Homeopathy Pharmacy + 1 for Ayurveda Path. Lab.	16,800.00
28	Electronic Balance (0.001gm – 500gm)	3	2 for Biochemistry (Homeopathy), 1 for Homeopathy Pharmacy	6,000.00
29	Colorimeter (photo electric)	3	1 for Ayurveda Physiology Lab. + 2 for Homeopathy Physiology Lab.	12,000.00
30	Colorimeter	3	2 for Homeopathy Biochemistry + 1 for Homeopathy Pharmacy Lab.	12,000.00
31	Dissecting Microscope	2	For Homeopathy Pharmacy	8,000.00
32	Binocular Microscope (Medical/Student Type)	25	Homeopathy Anatomy	25,000.00
33	Binocular Microscope (Teaching/Research)	1	Ayurvedic Pathlab.	4,000.00
34	Minocular Microscope with Oil Immersion	2	1 for Ayurveda Physiology Lab. + 1 for Ayurveda Path. Lab.	8,000.00
35	PAN Endoscopy Surgical Instruments	Set		27,000.00
35	Nebulizer	6	Ayurveda	18,000.00
35	Droni	2	Panchkarma Package for Ayurveda. All items must be quoted.	22,000.00
	Steam bath Chambers	2		
	Avagahasweda tub	2		
	Sirovasti cap	2		
	Vamanpeetha	2		

Nadiswedayantra	2	
Dhara Stand	1	
Dharapatra	1	

**Part II: Required Delivery Schedule:**

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

90 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). For equipment like CT, MRI, LINAC, 800mA/ 1000 mA X ray (DR), Cath Lab, the delivery period will be 180 days, to delivery at consignee site.

Installation and commissioning shall be done within two weeks of receipt of the stores/ goods at site or within two weeks of handing over the site for installation, whichever is later. For equipment like CT, MRI, LINAC, 800mA/ 1000 mA X ray (DR), Cath Lab installation and turnkey work may be completed within 45 days from delivery at site or within 45 days of handing over the site for installation, whichever is later.

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

90 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period). For equipment like CT, MRI, LINAC, 800mA/ 1000 mA X ray (DR), Cath Lab, the delivery period will be 180 days from the date of Opening of LC.

Installation and commissioning shall be done within two weeks of receipt of the stores/ goods at site or within two weeks of handing over the site for installation, whichever is later. For equipment like CT, MRI, LINAC, 800mA/ 1000 mA X ray (DR), Cath Lab installation and turnkey work may be completed within 45 days from delivery at site or within 45 days of handing over the site for installation, whichever is later.

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

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

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

**Part IV:**

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

**Part V:**

Warranty period as per details in general technical specifications  
Comprehensive Maintenance Contract (CMC) as per details in Technical Specification and also specified in part I above.

**Part VI:**

**Required Terms of Delivery and Destination.**

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

At Consignee Site(S)

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

The foreign tenderers are required to quote their rates on CIP (at Consignee Site) Basis giving break up of the price as per the Proforma prescribed in the Price Schedule.

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

**Insurance (local transportation and storage) would be extended and borne by the Supplier from**



**ware house to the consignee site for a period including 3 months beyond date of delivery.  
Destination/Consignee details are given in Section XXI**

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

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## **DIGITAL X-RAY MACHINE**

Should be a Digital Radiography (**without fluoroscopy**) system of single flat panel detector, capable to take digital images in horizontal, vertical and oblique positions of all general radiography including spine and chest. The detector should be of fixed type and move between horizontal and vertical positions. Unit should be completely integrated system with X-ray table, Generator and Tube from a reputed company.

### **1. Generator**

- a. Generator should be of latest high-frequency inverter technology for constant output and lowest possible radiation doses.
- b. Should have at least 80 kW power.
- c. The kV range should be from 40 to 150 kV.
- d. Should have 800mA or more at 100kV.
- e. Should have automatic exposure control device.
- f. Should have anatomical/organ programming radiography
- g. Should have over loading protection feature.
- h. Should have a digital display for kV and mAs.

### **2. X-Ray Tube and Collimator**

- A. Should be a highspeed rotating anode dual focus tube compatible with generator.
- B. Should have focal spot sizes of 0.6mm and 1.2mm or less.
- C. Should have an anode heat capacity of 350 kHU or more.
- D. Should have a multi leaf collimator having halogen/bright-light source with auto-shut provision for the light.
- E. Should have over load protection.

### **3. Ceiling Suspended Tube**

- A) Ceiling suspended type should have movements in all directions i.e. 3D transverse 220 cm or more, longitudinal 350 cm or more & vertical 145 cm or more.
- B) All movements to have electromagnetic brakes with counter balance mechanism.
- C) It should have facility to display FFD/SID.
- D) It should have provision of auto centring with the detector.
- E) Tube rotation at vertical axis and horizontal axis  $\pm 180$  degree.

### **4. X-Ray Table**

- a) Should be a horizontal table with carbon fibre table top of min 2000mm x 720 mm
- b) It should have a weight bearing capacity of 200kg or more.
- c) The table should be mounted on high quality fibre wheels with brakes.
- d) Source to Image Distance (SID) of 100 cm or more is desirable when the table is horizontal. When the table is tilted to vertical position an SID of 180 cm for chest X-Ray is desirable. State the actual range of values for the Source to Image Distances.
- e) Table top transversal travel 30cm or more (+ 15 cm)
- f) Table top longitudinal travel 160 cm or more (+ 80 cm)
- g) Tilttable table from vertical to -15 degree or more with automatic stop at Horizontal vertical and head down position.

- h) Titling speed  $>3^0$  / per second.
- i) X-Ray table should be able to accept all standard type of cassette including CR cassettes.

#### **5. Vertical Detector Stand**

- a) Should have an in-built detector capable to take digital images in horizontal, vertical and oblique positions with suitable movements for all general radiography.
- b) It should have provision to do chest radiography without grid.
- c) It should have automatic exposure control with at least three fields.
- d) Should have grids suitable for horizontal & vertical imaging (specify grid rate/ratio).
- e) The detector should be capable of rotating on its axis across +90 to -15 degrees.

#### **6. Digital Detector**

- a) The detector should be a flat panel detector of latest technology. Specify direct technology or amorphous silicon or selenium. (CCD detectors are not acceptable)
- b) The size of the detector should be 43 cm x 35 cm or more.
- c) Should have a minimum spatial resolution of 2.0 lines pair/millimetre.
- d) Detector Quantum Efficiency (DQE) should be more than 55% @ zero line pairs.
- e) The active matrix size should be 3k x 3k or more.
- f) Should have a minimum image depth of 14 bit.
- g) The pixel size should be 140 microns or less.

#### **7. Image Acquisition, Image Processing**

- a) Main digital workstation to have latest high-speed processors of at least 32 bit.
- b) It should have the possibility of acquiring the image from the detector system. Should have preview time 5 seconds or better.
- c) It should have image storage disk of 1 TB or more & 8 GB RAM.
- d) System to have ready DICOM interface & networking capability with PACS /HIS.
- e) Post-processing functions must be available.
- f) Workstation, state-of-the-art latest Pentium-based system 4.0 GHz speed, minimum 4 GB RAM, 1 TB Hard Disk, medical grade monitor (19") supported by all necessary software for all the functions.

#### **8. Accessories**

- a) Online UPS with 30 minutes backup for workstation and laser camera.
- b) Lead Glass of size 80cm x 120cm.
- c) Lead aprons – 3 & Gonadal shields for boys and girls of all age group one set.
- d) Stand for LEAD apron and Gonadal shield.
- e) Dry Laser camera with at least 2 different film sizes (including 17"x14"), 3 online film tray, resolution of 16 bits/500 dpi or more, throughput of 90 films or more per hour and DICOM 3.0 compatible for printing the digital images should be supplied.
- f) CD/DVD-R/W based long term archiving must be offered with 1000 no. CD/DVDs.

**9. Power supply-** Suitable Power input to be 220-240VAC, 50 Hz or 3 Phase of appropriate rating

#### **10. Standards and safety**

- a) Should be approved product by standard or control (USFDA/European CE/AERB)
- b) Electrical safety conforms to standards for electrical safety
- c) Safety aspects of Radiation dosage leakage should be spelt out
- d) Certificate for calibration should be provided.

## **Specification for Ultrasound Machine**

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The system should be latest fully Digital Color Doppler Ultrasound System and can be used for applications like Abdominal, Obs. / Gynae , small parts, Endocavitary, Pediatric & Vascular applications. The system should have following essential features:

1. The system should have the following image modes: 2D, M mode, PW, Tissue Harmonic mode, Color Doppler, Power Doppler mode.
2. The system should have minimum 1500 or more digital processing channels and 256 or more grey shades.
3. The system should have a very high dynamic range of 170dB or more and should independently selectable in B & M mode. Please specify the range.
4. The system should have a very high frame rate for B-mode & Colour mode. Maximum frame rate should be greater than 350 fps for B-mode & colour mode. Please specify the maximum frame rate in B-mode & M-mode.
5. The system should be able to support all type of transducers (Convex, Endocavitary, Linear, Phased array and Intraoperative Transducers). Frequency range of all transducers should be 2-14Mhz.
6. All transducers should have broad band width technology for extreme high resolution imaging. All transducers have user selectable multi frequency imaging (preferably more than 3)
7. The system should have Advanced measurement packages for all applications.
8. The system should have an integrated high resolution TFT/LCD of 15 inches or more with facility of tilt and swivel along with convenient grip.
9. The system should have minimum three active universal ports & two parking ports. Active ports can be directly selectable from the control panel.
10. The system should have scanning depth in the range of 2- 24cms.
11. The system should have a very high capacity Hard Disc Drive (min.80GB) for storage of images.
12. The system should have inbuilt CD/DVD R/W and USB ports for image export.
13. The system should have zoom facility both in real time and frozen image and it should be minimum 6 times or more in both real time & frozen modes.
14. The system should have minimum 6 steps transmitting focussing (transmit focal zones) and adjustable gain should be available up to 100 dB for B-mode & M-mode.
15. The system should have Directional Power Doppler to define the low blood flow directions.
16. The system should have HD-flow/Advanced dynamic flow to acquire the blood flow with directions in the deeper region at a very high frame rate.
17. The system should have automatic optimization in B-mode and auto adjustment of Doppler base-line & velocity range.
18. The system should have B-mode image steering & Color Doppler steering . Please mention the angle.
19. The system should have the facility of on-screen adjustment for Dynamic range, Frequency selection, Presets, Name of the patient, etc.
20. The system should have advanced real time quantification for Doppler parameters like velocity frequency, time, heart rate, slope, flow volume, pulsatility index resistivity index, peak velocity, average volume, point value area and diameter flow volume etc
21. The system should have extensive calculation software package for general measurements, vascular
22. The system should have the facility to view the Thumbnail images and system can be programmed for various users with the facility of user passwords.
23. The system should have the Trapezoid scan facility for linear probes.
24. The system should have Compound Imaging and Contrast Harmonic Imaging.

25. The system should have the facility of having direct image print out through a B/W thermal printer.
26. The system should be upgradeable to real time 3D (4D) package. Please quote optionally for convex volume probe.
27. System should be offered with the following probes and accessories:
  - (a) Convex probe with frequency range of 3.0-6.0 MHz.
  - (b) TV/TR probe with frequency range of 5-8 MHz and minimum field of view of 140 degree for Pediatric and Neonatal application
  - (c) Linear probe with frequency range of 6.0-11.0 MHz.
  - (d) 1 KVA On-line UPS
  - (f) B/w Thermal Printer with 10 paper rolls.Above mentioned probes must have multifrequency selection and THI.
28. Please quote optionally for the following:
  - (a) Linear probe 8-14 Mhz.
  - (b) High frequency convex probe of frequency 5-8 Mhz. for pediatric/ Neonatal application.
  - (c) Convex volume (4D) probe
29. Quoted system should be installed in minimum two reputed GOVT. Institutions in Delhi/NCR Please attach the user list of quoted system mentioning address and contact numbers.
30. Two years complete warranty for the entire equipment, probes and accessories which should include service as well as parts.
  31. Three years comprehensive maintenance charges (Machine + probe) including after Two year warranty to be quoted separately
32. Please attach the original manufacturer's product catalog and datasheets. Photocopied, computer generated catalogue and datasheet will not be accepted.
  33. List of installation – the bidders to provide list of installation of the quoted model in (National and International).
34. The shortlisted bidders will have to give demonstration of their quoted model before finalizing the evaluation of their bids.
35. The bidder should enclose the original product data sheet, brochure and compliance sheet, without which the bid will be rejected. Computer generated data sheet and brochure will not be accepted. The serial number of specifications must be indicated against the relevant portion of the compliance sheet and data sheet.
36. Other accessories: Jelly Bottles (5 Nos.), Patient Examination Table, Doctor's chair, Patient Chair, curtains for changing room.
37. Should be approved product by USFDA/European CE.

## Equipment Specifications for ECG Machine- 12 Channels

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	ECG Machine is primary equipment to record ECG Signal in various configuration. 12 channels with interpretation is required for recording and analyzing the waveforms with a special software.		

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	The ECG Machine should be able to acquire all 12 Leads simultaneously and interpret them		

### 3 Technical Specifications

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	Should acquire simultaneous 12 lead ECG for both adult and pediatric patients		
3.2	Should have Real time Colour display of ECG waveforms with signal quality indication for each lead		
3.3	Should have Artifact, AC, and low and high pass frequency filters.		
3.4	USB Support (optional) for Storage on external portable memories.		
3.5	Should have a storage memory of at least 150 ECGs with easy transfer by optional modem or data card.		

3.6	Should have full screen preview of ECG report for quality assessment checks prior to print.		
3.7	Should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and pediatric patients		
3.8	Should have alphanumeric Keyboard for patient data Entry. (virtual or hard keys)		
3.9	Should have High resolution (200 dpix500dpi on 25 mm/sec speed) digital array A4 size printer		
3.10	Should have report formats of 3 x4; 6 x2, Rhythm for up to 12 selected leads; 12 Lead Extended measurements, 1 minute of continuous waveform data for 1 selected lead.		
3.11	Machine should have provision to run on both AC and standby rechargeable battery powerful enough to provide back up for at least 3 hours or minimum of 250 recordings.		
3.12	Should be able to be connected to HIS /LAN/Wireless LAN(OPTIONAL)		
3.13	Should display ECG on LCD/TFT Display of 640x480 pixel resolution.		
3.14	Printing should be possible in A4 size paper through lesser printer and inbuilt thermal printer		
3.15	Machine should have inbuilt system for self check and calibration		

#### 4 System Configuration Accessories, spares and consumables

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
4.1	ECG Machine 12 Leads with Interpretation - 01		
4.2	Patient Cable -02		
4.3	Chest Electrodes Adult-(set of six) -02 sets.		



4.4	Chest Electrodes Paediatric-(set of six) -02 sets each of Adult and Pediatrics-Total 4 sets		
4.5	Limb Electrodes(set of 4)- 02 sets of Adult and 02 sets of Paediatrics		
4.6	Thermal Paper A4 Size for 500 patients		

## 5 Environmental factors

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%		
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%		
5.3	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.or should comply with 89/366/EEC; EMC-directive.		

## 6 Power Supply

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Power input to be 220-240VAC, 50Hz.		

## 7 Standards, Safety and Training

Sl	Name	Technical Specs quoted by	Bidders Deviation if any

		bidder	
7.1	Should be USFDA , European CE,UL or BIS approved product		
7.2	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms . (OR EQUIVALENT BIS Standard)		

## 8 Documentation

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
8.1	User Manual in English		
8.2	Service manual in English		
8.3	List of important spare parts and accessories with their part number and costing		
8.4	Certificate of calibration and inspection.		
8.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out		
8.6	List of Equipments available for providing calibration and routine Preventive Maintenance Support as per manufacturer's recommendation in service/technical manual.		

## EQUIPMENT SPECIFICATIONS FOR ECG MACHINE SINGLE CHANNEL

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	ECG Machine is primary equipment to record ECG Signal in various configurations		

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	The ECG Machine should be able to acquire all 12 Leads simultaneously: aVR, AvL AVF, I, II, III and V1 -6		
2.2	Should print all the 12 leads in a single channel mode		

### 3 Technical Specifications

1	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	Should acquire simultaneous 12 lead ECG for both adult and pediatric patients		
3.2	Should have Artifact, AC, and low and high pass frequency filters.		
3.3	Should have an integrated-high resolution, thermal array printer for print of ECGs. Printing should also be possible in A4 size paper through Lesser Printer.		
3.4	Should have provision to run on both AC and standby rechargeable battery of suitable capacity which can provide backup for recording at least 30 ECGs or 30 minutes of continuous rhythm recording on single charge.		
3.5	Machine should have inbuilt system for self check and calibration		
3.6	Unit should be lightweight less than 6 Kg and easily portable.		
3.7	Analysis software( preferably compatible with Windows to be provided.		

### 4 System Configuration Accessories, spares and consumables

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
4.1	System as specified-		
4.2	Patient cable -02		
4.3	Chest Electrodes Adult-(set of six) -02 sets.		
4.4	Chest Electrodes Paediatric-(set of six) -02 sets		
4.5	Limb Electrodes(set of 4)- 02 sets for Adult and 02 sets for Paediatrics.		
4.6	Thermal print paper : 10 Rolls/Z Fold <ul style="list-style-type: none"> <li>1. Automatic and manual printout mode.</li> <li>2. Reset zeroing, auto base line correction (0.5 Hz) and 1 mv test.</li> <li>3. Electrode connection quality check.</li> <li>4. Paper speed, selectable: 5, 25 and 50mm/sec.</li> </ul>		

## 5 Environmental factors

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%		
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%		
5.3	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. or should comply with 89/366/EEC; EMC-directive.		

## 6 Power Supply

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Should work on 220-240V AC as well as rechargeable batteries. Mains adaptor to be supplied		

## 7 Standards, Safety and Training

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
7.1	Should be USFDA , European CE,UL or BIS approved product		
7.2	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms . (OR EQUIVALENT BIS Standard)		
7.3	Warranty as per bid.		

## 8 Documentation

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
8.1	User/Technical/Maintenance manuals to be supplied in English.		
8.2	Certificate of calibration and inspection.		
8.3	List of Equipments available for providing calibration and routine Preventive Maintenance Support as per manufacturer's recommendation in service/technical manual.		
8.4	List of important spare parts and accessories with their part number and costing.		
8.5	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.		

## EQUIPMENT SPECIFICATIONS FOR BED SIDE MULTIFUNCTION MONITORS

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
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1.1 Bedside monitors are used to monitor the Vital parameters of patients continuously at patient's side in wards and ICU,CCU and other intensive care units.

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	Monitors should be preconfigured, easy to use, portable, wall mounted and operation by single knob control weight should not be more than 5-6 kg		

### 3 Technical Specifications

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	<p>1 Equipment should have capability to display eight real time waveforms along with related numerical parameters on a single screen.</p> <p>2. It should have following parameters. :</p> <p>(a) Monitoring of 5 leads ECG : (I, II, III, AVR, AVL, AVF and chest lead) and pulse detection, display of heart rate with low and high heart rate alarm (adjustable between 30-250 bpM, audio-visual alarms).</p> <p>(b) Pulse Oximetry (SPO2) / pleth and should also to show plethy morgraphic pulse wave form, adjustable audio-visual alarm.</p> <p>(c) Respiration and apnoea : Monitor, rate between 5-100/mt with low and high limit alarms, respiratory graphic and numerical display and audio-visual alarms.</p> <p>(d) Non-invasive blood pressure monitoring: which may be used in very premature baby to adults.</p> <p>(e) Temperature monitoring facility can be used to measure temperature from 30C-42C by skin as well as per-rectally.</p> <p>(f) SPO2 probes – Ear lobule probe, finger probe flexible wrap probe for neonates and one universal Y probe.</p> <p>(g) NIBP cuff of at least 4 sizes disposable for measuring baby from 1 kg to 12 kg (2 cm, 2.5 cm, 3.5 cm, 4.5 cm) and two size</p>		

non-disposable for grown up of children for measuring BP for children between 2-14 yrs.

(h) NIBP measurement must be on a proven Oscillometric reading on deflation of cuffs NIBP should be possible manually or automatic mode through time set intervals ranging from 1-120 minutes.

(I)EEG

(j) Spirometry

(k) Micro-stream Capnography

2. Voltage stabilizer/CVT should be integrated / built in part of the multifunction monitor. Back up UPS should work at least for 2 hours without charging. Automatic switch over from main to batteries in case of power failure.

Defibrillator sync & protection.

Pacemaker deletion / rejection.

3. Monitors should be of the size of 10 inch or more with active matrix color display screen having resolution of 640 x 480 or better with at least 4 traces and numeric values display facilities simultaneously. Ability to change color of trace by user is must.

4. 24 hours tabular trends should be stored and available for all monitored parameters.

5. Display of alpha numeric messages must be available.

6. At least 3 channel thermal recorder. Equipment should have inbuilt printer and facility to be connected to a laser printer.

7. Should be capable of measuring oxygen saturation even in case of motion artifacts.

8. Should have cuff measurement ending chine.

#### 4 System Configuration Accessories, spares and consumables

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
4.1	Options for upgrading to mainstream CO2 and two invasive BP monitoring facility for future should be quoted and this will be added for evaluation purposes only.		
4.2	Should be supplied with the following accessories: 1.Patient cable(5 Lead ) -02 2. Adult and Paediatric Cuff -02 each 3.Neonatal Cuff-02 4.Adult and Paediatric Probe SPO2 -02 each 5.Finger wrap probe SPO2-02 6.Ear Probe SPO2-02 7.Skin Temp Probe -02 8.ECG Electrodes-1000(Disposable) 9.ECG Jelly Bottle-(200 ml each)- 10 bottles		

#### 5 Environmental factors

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. Or should comply with 89/366/EEC; EMC-directive.		
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%		
5.3	The unit shall be capable of operating continuously in ambient temperature of 10 -40 deg C and Relative Humidity of 15-90%		
5.4	Different patient modes should be available (Adult, pediatric and neonate )		

## 6 Power Supply

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Power input to be 220-240VAC, 50Hz.		
6.2	UPS of suitable rating shall be supplied for minimum 4 hours backup for the entire system		

## 7 Standards, Safety and Training

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
7.1	Should be US FDA , CE,UL or BIS approved product. Should comply with all relevant AAMI,IEC,EN,CSA and UL standards.		
7.2	Manufacturer should have ISO certification for quality standards.		
7.3	Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring equipment.		
7.4	Comprehensive as per bid.		
7.5	Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.		



## OPERATION TABLE: ELECTROHYDRAULIC

### 1 Description of Function

Sl	Name
1.1	Electro Hydraulic operation tables are for performing surgical procedures and they work with electrical power.

### 2 Operational Requirements

Sl	Name
2.1	OT Table is required for general surgery and should have X-Ray translucent tops.

### 3 Technical Specifications

Sl	Name
3.1	<ul style="list-style-type: none"><li>a. The casings on the frame and centre-supporting column should be made of hygienic stainless steel</li><li>b. Table should have mobile base with lockable castors</li><li>c. Four/five section table top with divided foot section</li><li>d. Table top should be radio translucent and permit for fluoroscopy with full length X-ray cassette tunnel accessible from either end.e</li><li>e. All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, except foot and head section should be operated hydraulically</li><li>f. Should have a manual position selector</li><li>g. The casings on the frame and centre supporting column should be made of hygienic stainless steel</li><li>h. Mattress should be radio translucent and suitable for fluoroscopy</li><li>i. The table top should be movable cranially and caudally on it base</li></ul>
3.2	<p>Measurements:(approximate)</p> <ul style="list-style-type: none"><li>a.Length: 2000 mm or better</li><li>b.Width: 550 mm or better</li><li>c. Height: 730-1040 mm</li><li>d Side tilt: + 15-20 degrees</li><li>e. Back section adjustment: - 15 degrees to 70 degrees</li><li>f. Foot section adjustment: - 0 to 90 degree, detachable</li><li>g. Trendelenburg: 25-30 degree</li><li>h. Anti trendelenburg: 25-30 degree</li><li>i. Head section adjustment: +45 degree to -45 degree, detachable</li><li>j. Weight bearing capacity 250 to 300 Kg</li><li>k. Cranial and caudal traversing:200-300mm</li></ul>

### 4 System Configuration Accessories, spares and consumables

Sl	Name
4.1	System as specified

4.2	<p><b>ACCESSORIES:</b> All accessories including the ones listed below should be quoted. The specific accessories and their quantity will depend upon actual requirement</p> <ul style="list-style-type: none"> <li>a. Padded arm rest with straps - pair with clamps</li> <li>b. Anaesthesia screen with clamps</li> <li>c. Side supports: pair with clamps</li> <li>d. Shoulder supports: pair with clamps</li> <li>e. Knee crutches for lithotomic position: pair with clamps</li> <li>f. Foot crutches: pair with clam</li> <li>g. X-ray cassette tray with pushing tray</li> <li>h. Accessories for operating in prone position</li> <li>i. Optional accessories for endourology work</li> <li>j Kidney bridge</li> <li>k. Patient Restraint Strap</li> <li>l. Accessories for operating in prone position</li> <li>m. Optional accessories for endourology work</li> </ul>
4.3	Power input 220-240 volt/50 Hz AC single phase fitted
4.4	Electronic voltage stabilizer of appropriate rating meeting BIS standards/specification (input 160-240 volt and 50Hz)

## 5 Environmental factors

Sl	Name
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 - 40deg C and relative humidity of 15-90%

## 6 Standards & Safety

Sl	Name
6.1	Should be US FDA , CE, UL or BIS approved product
6.2	Manufacturer and supplier should be ISO certified for quality standards.
6.3	Certified to be compliance with International Safety standards like IEC 60601-2-46 or equivalent if applicable
6.4	Electrical safety confirming to IC60601-1 general requirement ( or equivalent BIS standards

## 7 Training

Sl	Name
7.1	Comprehensive training for staff of user department and support services till

familiarity with the system.

## 8 Warranty & Service

SI	Name
8.1	Comprehensive warranty for 2 years.

## **Electric Hydraulic Ophthalmology Operation Table (Imported) 1 No.**

- Multi purpose function for Ophthalmology operation and examination use.
- Disinfectant Resistant stainless steel finished.
- Special design hand holder, more convenience for doctors in operation.
- All stainless steel accessories including clamps.
- Safety Backup all functions or movement of the unit will stop automatically by relief valve. While the

maximum ranges are reached.

Table Top Dimensions 60cm (W) X 190 cm(L)

Elevation of Table Top 61cm 91 cm

Doctor's Hand Holder Up/Down Elevation 30cm Adjustable

Elec. Power Source AC 220V 50 HZ

Power Consumption 500VA

Standard Accessories St.St.Hand Holder X 1 Pc.

Head Rest X 1 Pc.

Water Proof Foot Switch X 1 Pc.

Power Cord X 1 Pc.

Power input 220-240 volt/50 Hz AC single phase fitted

Electronic voltage stabilizer of appropriate rating meeting BIS standards/specification (input 160-240 volt and 50Hz)

### **4 System Configuration Accessories, spares and consumables**

Sl	Name
4.1	System as specified
4.2	ACCESSORIES: All accessories including the ones listed below should be quoted. The specific accessories and their quantity will depend upon actual requirement a. Padded arm rest with straps - pair with clamps b. Anaesthesia screen with clamps c. Side supports: pair with clamps d. Shoulder supports: pair with clamps e. Knee crutches for lithotomic position: pair with clamps f. Foot crutches: pair with clam g. X-ray cassette tray with pushing tray h. Accessories for operating in prone position i. Optional accessories for endourology work j Kidney bridge k. Patient Restraint Strap l. Accessories for operating in prone position m. Optional accessories for endourology work

### **Environmental factors**

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

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

Sl	Name
1	Should be US FDA , CE, UL or BIS approved product
2	Manufacturer and supplier should be ISO certified for quality standards.
3	Certified to be compliance with International Safety standards like IEC 60601-2-46 or equivalent if applicable
4	Electrical safety confirming to IC60601-1 general requirement ( or equivalent BIS standards

### Training

Sl	Name
1	Comprehensive training for staff of user department and support services till familiarity with the system.

### Warranty & Service

Sl	Name
1	Comprehensive warranty for 2 years.

## Automated Bio Chemistry Analyzer

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	For analysis of serum, plasma, urine, cerebrospinal fluid (CSF), hemolysate and whole blood.		

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	Should be open system and fully computerized with random access, selective multi-batch type, providing maximum flexibility in programming		
2.2	Should be capable of undertaking 160-200 tests/hr involving fixed time, end point and kinetic chemistry		

### 3 Technical Specifications

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	Optical Requirement Wavelength Range: 340 to 700nm Absorbance: 0.000 to 3.000A Resolution: 0.0001A or better Measurement: Monochromatic & Biochromatic options. Flow cell volume: approx. 50µl Source of light: Halogen lamp		
3.2	Reagent Handling System: Pre and Post dilution: Automatic Aspiration volume: 5-1000µl in 0-0.5µl increments Wash Cycles: Programmable for aspiration and sampling probes		
3.3	Analytical Requirements: Sample Tray/reaction plate: >50 positions for samples/ standards/ controls Sample cups: 0.5-1ml Reaction types: End point, kinetic- differential and initial rate bichromatic, with & without blank correction Test Parameters: 50 or more, all programmable as per user requirement. Incubation Temp: 37°C preferably with variable temperature options Cuvette Temp: 37°C +0.1°C Quality control: Daily and monthly QC, S.D., C.V. Calculated and precision check facility		
3.4	Date Processor: Pentium computer with instrument operating and data management software, latest version windows Operating Software , minimum 10 GB hard disk, CD-ROM, 17" colour monitor, Laser printer. Capacity for storage of data of 10,000 patients.		
3.5	Inbuilt printer thermal type with 40 characters/line or better		
3.6	Software :Patient oriented, user friendly and test oriented.		

### 4 System Configuration Accessories, spares and consumables

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
4.1	Biochemistry Analyser-01		
4.2	Integrated Printer and computer as specified above-01		

#### 5 Environmental factors

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.		
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0 - 50deg C and relative humidity of 15-90%		
5.3	Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%		

#### 6 Power Supply

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Power input to be 220-240VAC, 50Hz		
6.2	Provided with a Suitable Servo controlled Stabilizer/CVT		
6.3	UPS of suitable rating shall be supplied for minimum of 1 hour backup for the entire system		

#### 7 Standards, Safety and Training

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
7.1	Certified for meeting IEC 60601-1-4 Medical electrical equipment - Part 1-4: General requirements for safety - Collateral Standard: Programmable electrical medical systems		
7.2	Attach original manufacturer's product catalogue and specification sheet. Photocopy/ computer print will not be accepted. All technical data to be supported with original product data sheet. Please quote page number on compliance sheet as well as on technical bid corresponding to technical specifications.		
7.3	Electrical safety measured should conform to standards for electrical safety IEC-60601 / IS-13450		
7.4	Should be USFDA or CE European standards approved product		

#### 8 Documentation

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
8.1	User manual in English		
8.2	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.		
8.3	Certificate of calibration and inspection.		

8.4	List of important spares and accessories with their part number and costing.		
8.5	List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.		
8.6	Service manual in English		
8.7	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.		
8.8	Warranty as per bid document		



## Equipment Specifications for Automatic Cell Counter 5 part with Automatic Reticulocyte Count

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	Automated Blood Cell Counter is used to count various types of blood cells in the blood.		

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	Automatic blood cell counter that measures 18 parameters including 5-part differential of WBC is required complete with printer.		

### 3 Technical Specifications

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	Parameters to be measured are -WBC, LYM%, LYM, MON%, MON, GRA%, GRA, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV, PCT, PDW.		
3.2	Histogram WBC 5-part diff distribution, RBC distribution, PLT distribution .		
3.3	Measurement Principle Electrical impedance method (WBC, RBC, HCT, PLT) Cyanmethemoglobin colorimetric method (HGB)		
3.4	Low Sample Volume of 10 $\mu$ L		
3.5	Throughput > 60 samples per second.		
3.6	Linearity Ranges WBC 0.5-80.0 * 10 <sup>3</sup> / $\mu$ L RBC 0.20-7.50 * 10 <sup>6</sup> / $\mu$ L HGB 2.0-25.0 g/dL HCT 10.0%-70.0% PLT 10-999 * 10 <sup>3</sup> / $\mu$ L		
3.7	Reproducibility (CV) WBC RBC HGB HCT PLT LYM% MON%		

	GRA%		
3.8	The sampling probe should be automatically cleaned off, so that any blood stack doesn't occur.		
3.9	It should take only 60-65 seconds to acquire the measurement result		
3.10	Various sensors should check the condition of the instrument. If any abnormality is detected, an error message be displayed so that occurrence of trouble is prevented		
3.11	Automatic reticulocyte count with no manual step of pre-treatment etc.		
3.12	Integrated with computer and provided with built-in thermal printer as well as Lesser printer.		

#### 4 System Configuration Accessories, spares and consumables

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
4.1	System as specified-		

#### 5 Environmental factors

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and Relative Humidity of 15-90%		

#### 6 Power Supply

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Power input to be 220-240VAC, 50Hz fitted with Indian plug		
6.2	Resettable over-current breaker shall be fitted for protection		
6.3	Provided with Suitable voltage stabilizer		
6.4	Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.		

#### 7 Standards and Safety

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
7.1	Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.		
7.2	Should be compliant with IEC 61010-1:covering safety requirements for electrical equipment for measurement control and laboratory use.		
7.3	Should be USFDA or European CE or ISI approved product		
7.4	Comprehensive training for lab staff and support services till familiarity with the system.		

## 8 Documentation

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
8.1	User/Technical/Maintenance manuals to be supplied		
8.2	Certificate of calibration and inspection from factory.		
8.3	List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.		
8.4	List of important spare parts and accessories with their part number and costing		
8.5	Log book with instruction for daily , weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out		
8.6	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue.		

## DEEP FREEZER (-20 °C)

- Microprocessor controlled vertical Freezer
- Separate chamber racks can be pulled out for easy handling
- Refrigeration – Heavy duty CFC free with hermetically sealed compressor.
- Cabinet construction should be corrosion and rust free and resist chipping.
- Operational control – like temperature setting, temperature calibration, temperature display, temperature recording etc. shall all be microprocessor based.
- Freezer condition monitor – Alarm indicators, maintenance indicator to take care of eventualities like power failure, high or low temperature, door open, probe failure etc.
- Capacity 350-400 Litre. (or as per user requirement).
- Temperature adjustable from -10 to -30° C.
- Digital display of set and actual temperature
- No condensation on storing material with automatic electric defrost
- With standard safety features
- Rechargeable battery backup including charger maintenance free.
- Training of laboratory staff for the purchased equipment
- Warranty as per bid document.
- Availability of spares / disposable for at least 10 years.
- All consumables required for installation and standardization of system to be given free of cost.
- List of users and satisfactory report of quoted model from reputed institute preferably Government institute/ hospital.
- Should have all the accessories required for the functioning of the equipment.
- European CE / ISI mark or other equivalent quality certification.
- All electrical peripherals required for smooth functioning e.g. voltage stabilizer and UPS should be provided with the equipment.
- There should be provision for demonstration before final approval of equipment.
- Should be USFDA or European CE or ISI approved product.

## **Refrigerator Frost free**

### Specifications:

1. Capacity 400 ltr or more
2. Temperature range 0 degree to 10 degree with digital display
3. Automatic defrost system
4. Number of basket/shelves should be 5
5. Number of lids/ single/ double door.
6. Mounted on trolley with castors.
7. Should have transparent door for easy viewing of content inside.
8. Operating on AC mains 220 volts,50 Hz single phase supply. Should be provided with inbuilt voltage stabilizer
9. Safety measures and alarms as per relevant Indian Standards.

## CENTRIFUGE MACHINE (Medium Speed-Electric)

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	Centrifuges are required in the Laboratory to separate various components of Blood and any other liquid sample for analysis		

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	Aerodynamic compact construction for vibration free performance		
2.2	Table top version. With facility of top loading of test tube		

### 3 Technical Specifications

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	Tube Capacity :No. 24 – 36 :Size 5 – 15 ml		
3.2	Should have a digital timer		
3.3	Body should be made of strong fabricated & corrosion resistant steel		
3.4	Control panel – for start/stop switch, dynamic brakes, step less speed regulator with zero start switch & speed indicator with timer and protective fuses.		
3.5	Door interlock (Automatic Electronic Lid)		
3.6	Maintenance-free brushless drive motor with exact speed preselection and display. Speed range 100 to 6000 rpm and above, accuracy 1 rpm.		
3.7	RPM : Up to 6500-7000		

### 4 System Configuration Accessories, spares and consumables

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
4.1	Centrifuge complete with Swig and basic rotors and four buckets- 01 set.		
4.2	Tube Holders as appropriate		

### 5 Environmental factors

SI	Name	Technical	Bidders
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		Specs quoted by bidder	Deviation if any
5.1	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.		
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%		
5.3	The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%		

## 6 Power Supply

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian plug		
6.2	Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.( Input 160-260 V and output 220-240 V and 50 Hz)		

## 7 Standards, Safety and Training

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
7.1	The supplier should be ISO certified for quality standards.		
7.2	Should be USFDA & Should be USFDA or European CE or ISI approved product		
7.3	Should comply with IEC/TR 61010-3-020 :Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 3-020: Conformity verification report for IEC 61010-2-020:1992 Particular requirements for laboratory centrifuges"		
	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet		

## 8 Documentation

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
8.1	User manual in English		
8.2	Service manual in English		
8.3	Certificate of calibration and inspection.		
8.4	List of Equipments available for providing calibration and routine		

	maintenance support as per manufacturer documentation in service / technical manual.		
8.5	List of important spare parts and accessories with their part number and costing.		
8.6	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.		

**NOTE:**

Bidders are requested to visit site to assess the site condition of Equipment placement and installation in this Section. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. Electrical cabling of suitable ratings, Electrical points of suitable ratings, water connection, water drainage, plumbing & allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the “All inclusive lump sum price” should include all such costs.



## Technical Specifications for Centrifuge with Speed Control -Table top

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	Centrifuges are required in the Laboratory to separate various components of Blood for analysis.		

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	Aerodynamic compact construction for vibration free performance		
2.2	Table top version		

### 3 Technical Specifications

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	Microprocessor controlled, swing out rotor		
3.2	Maximum speed: 3,500 -4,500 rpm		
3.3	The centrifuge must be capable of generating RCF in excess to 2,000 X g.		
3.4	Should be able to spin 8 /16 tubes 13 X 75 mm or 13 X100 mm at a time		
3.5	The system should have brush less induction drive		
3.6	Dynamic braking for rapid stop without cell disturbance		
3.7	System should have safety features like lid lock and lid interlock		
3.8	System should have touch keypads for data entry and large LED displays for good visibility		
3.9	Noise level should be less than 60dB.		
3.10	Body should be made of strong fabricated & corrosion resistant steel		
3.11	Should have a digital timer		

### 4 System Configuration Accessories, spares and consumables

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
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4.1	System as specified-		
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## 5 Environmental factors

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.		
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%		
5.3	The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%		

## 6 Power Supply

6.1	Power input to be 220-240VAC, 50Hz fitted with Indian plug		
6.2	Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.( Input 160-260 V and output 220-240 V and 50 Hz)		

## 7 Standards and Safety

7.1	The supplier should be ISO certified for quality standards.		
7.2	Should be US USFDA , Should be USFDA or European CE or ISI approved product		
7.3	Should comply with IEC/TR 61010-3-020 :Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 3-020: Conformity verification report for IEC 61010-2-020:1992 Particular requirements for laboratory centrifuges"		
7.4	Comprehensive warranty for as per bid.		

## 8 Documentation

8.1	User/Technical/Maintenance manuals to be supplied in English.		
8.2	Certificate of calibration and inspection from factory.		
8.3	List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.		
8.4	List of important spare parts and accessories with their part number and costing.		
8.5	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.		

### NOTE:

Bidders are requested to visit site to assess the site condition of Equipment placement and installation in this Section. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. Electrical cabling of suitable ratings, Electrical points of suitable ratings, water connection, water drainage, plumbing & allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the "All inclusive lump sum price" should include all such costs.

## **BONE DRILL MACHINE**

	<p>Pneumatic Motor: 150 W Flexible Input hose 3 M Input hose adaptor 1/4inch Input hose adaptor AO Filter Accessories: Universal Jacob Chuck with key 1.2 to 3.2 K-wire and pin automatic Adaptor Oscillating saw adaptor heavy duty Set of 05 oscillating saw blades Reaming adaptor AO Four adaptor AO Lubricating Oil Reaming Set, K.wire Set. Should be ISI /European CE or equivalent standard approved product.</p>
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## **BONE CUTTER**

	<p>Delicate bone cutting forceps with double-action joint. Slightly angled 7" Superior quality stainless steel. Manufacturer's mark must be indicated on instruments Should be ISI /European CE or equivalent standard approved product.</p>
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## **SPECIFICATION FOR SUCTION MACHINE**

- Wide application range.
- Heavy duty motorized pump for fast vacuum built.
- Absolutely noiseless
- Finely regulated 0-715mm±10 Hg vacuum easy to read off
- Overflow safety device: overflow check valve and removable filter to protect the pump from moisture
- Non-collapsible tubing
- Self- lubricating system for trouble free operation.

### **Technical specification:**

1. Maximum vacuum: 715±10mm Hg, regulated through control knob
2. Suction Capacity: 35 litres per minute
3. Vacuum gauge: Bourdon Type 3" 0-760 mm Hg calibrated
4. Suction bottle: Glass jars or two unbreakable poly carbonate jars of 3000CC with overflow check valve (float type)
5. Motor: 0.5 HP
6. Pump: Rotary
7. Power supply: AC 220 volt, 50 Hz, single phase, with a suitable UPS back up
8. Overall installation size: length-330mm, width-405mm, height- 730mm (approx.)
9. Finish powder coated.
10. Should be easily portable with caster wheels.
11. Should be fitted with high quality rubber/ PU parts/ tubings.
12. Should be ISI /European CE or equivalent standard approved product.

## Equipment Specifications for Water Bath

### 1 Description of Function

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	Water bath maintains a constant preset temperature for treating samples.		

### 2 Operational Requirements

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	General purpose water bath is required		

### 3 Technical Specifications

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	Approximate dimensions in cms 40-45X 35-40X20-25, lightweight, stainless steel body		
3.2	Microprocessor controlled programmable, with auto cut, digital display for temperature etc		
3.3	Temp. Range: 37°C to 56°C +0.50°C. <b>from ambient to 100<sup>0</sup> C ±0.5<sup>0</sup> C</b> . Provided with Hydraulic type capillary Thermostat		
3.4	Should have a stirrer for circulation ( FHP stirrer)		
3.5	No. of Holes 12 of 75mm diameter		
3.6	Bath Capacity: 15 liters.		
3.7	Should be easily cleanable as needs to be cleaned on daily basis		

### 4 System Configuration Accessories, spares and consumables

Sl	Name	Technical Specs quoted by bidder	Bidders Deviation if any
4.1	System as specified-		

### 5 Environmental factors

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and Relative Humidity of 15-90%		
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and Relative Humidity of 15-90%		

## 6 Power Supply

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Power input to be 220-240VAC, 50Hz.		
6.2	Voltage stabilizer of appropriate ratings meeting ISI Specifications.( Input 160-260 V and output 220-240 V and 50 Hz)		

## 7 Standards and Safety

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
7.1	Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450		
7.2	Should be USFDA , European CE,UL or BIS approved product		
7.3	Comprehensive warranty as per bid.		

## 8 Documentation

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
8.1	User/Technical/Maintenance manuals to be supplied in English.		
8.2	Certificate of calibration and inspection from factory.		
8.3	List of important spare parts and accessories with their part number and costing		

## Electronic Analytical Balance

1. Electronic top loading balances with transparent case having following specifications:

Readability            0.1 mg

Capacity                200g

Repeatability         0.1mg

Linearity               + -0.2mg

Stabilization time    <5 sec.

Adjustment weight (Int. wt.) **200g, 500gm**

Adjustment weight (Ex. Wt. ) 500 mg, 1gm, 10gm, 50gm, 100gm, **200gm, 500gm**

2. The balance should have functions of piece counting, percent weighing, formulation , dynamic weighing with automatic and manual start and' provision for data interface should comply with ISO/GLP with auto validation with ink jet printer.
3. Calibration: Fully automatic temperature .controlled internal calibration & balance should be capable to adjust itself.
4. Balance should have additional features of high contrast LCD Display.
5. Should have vibration adapter for damps influence due to vibration and minor shocks
6. Should have built in instructions for its operation
7. To be operational on 220 to 240 V at 50 Hz.
8. Compatible UPS and voltage stabilizer should be part of configuration
9. Warranty as per bid.
10. Basic set of spares should be provided with the machine as stand by.
11. Equipments should be complete in all respect so that it can be started from day one.
12. Draft sealed manual.

## **SPECIFICATION FOR PORTABLE SPIROMETER**

1. Spirometer features: Portable, lightweight, upgradable internal software by connecting to PC.
2. Parameters:  
Parameters measured or calculated: Flow/Volume Loop, Forced Vital Capacity, Inspiratory Vital Capacity, Vital Capacity, Maximum voluntary ventilation, ERV, IRV, Tidal volume, FEV1/FVC%, MEF 25 -75, PEF, PIF, and Comparison PRE/POST reversibility.
3. Temperature sensor: Internal temperature sensor for automatic BTPS conversion.
4. Flow/volume transducer: bi directional turbine
5. Flow range:  $\pm 16$  Ls
6. Volume: 0.5 to 8 litres
7. Volume accuracy:  $\pm 3\%$  or 50 ml
8. Flow accuracy:  $\pm 5\%$  or 200 ml/s
9. Dynamic resistance:  $< 0.5$  cm H<sub>2</sub>O/L/s
10. Connectivity: USB, Bluetooth
11. Display: flat screen
12. Power supply: rechargeable battery along with AC mains power
13. Printer: standard laser printer
14. Trend reports: trend reports allow printing and graphing of data from various patients visits so that progress can be monitored.
15. Performance: full function Spirometry system should meet current ATS/ERS recommendations for accuracy and performance and all applicable safety standards.
16. Terms and conditions: three years onsite warranty with five years comprehensive maintenance contract. Approval of the equipment would be subjected to the working demonstration.
17. The company should give a certificate that the model quoted is the latest and not obsolete and spares will be available for next 5 to 7 years.
18. Should be USFDA , European CE,UL or BIS approved product



## Electrocautry/Surgical Diathermy with accessories

1. Monopolar, Bipolar cutting and under water cutting
2. Small, Compact & Portable
3. Digital display for power settings
4. Soft, Forced and Spray coagulation (pure and blend type)
5. Automatic Power Regulation
6. Bipolar coagulation with manual mode and auto start mode
7. Programmable power settings
8. Meets safety standards as provided by IEC
9. Monopolar and bipolar function should be operable without switching off the other mode
10. Auto self-test whenever the units switched on.
11. The whole unit must be comfortably placed on a trolley designed to house the machine. The trolley must be mounted on wheel for noiseless, smooth, effortless and free movement in all directions on the OT floor

### **Accessories**

12. Silicone patient plate (pediatric and adult) – 2 each
13. Monopolar forceps with hand control with accessories
14. Bipolar forceps( straight long, straight short, bayonet) with accessories
15. Double paddle foot switch with cable
16. Bipolar foot switch
17. Power cord to connect to diathermy machine (if not in build) able to fit in Indian type of electricity socket

### **Technical specification**

#### **Monopolar cut**

(HF power adjustment with Up/down Soft keys, from 1 to 60-100 Watts in increment of 1 watt)

HF output 175-250 W at 100-700 ohms

Frequency of HF voltage 350 KHz +/- 50 KHz

#### **Monopolar coagulation**

(HF power adjustment with Up/down Soft keys, from 1 to 60-100 Watts in increment of 1 watt)

#### **Monopolar Soft Coagulation**

Frequency of HF voltage 350 KHz +/- 50 KHz

HF output 100 W at 100-200 ohms

#### **Monopolar Spray Coagulation**

Frequency of HF voltage 500 KHz +/- 50 KHz

HF output 100-120 W at 300 ohms

#### **Monopolar Forced Coagulation**

Frequency of HF voltage 500 KHz +/- 50 KHz

HF output 100-150 W at 300 ohms

#### **Bipolar Coagulation**

(HF power adjustment with Up/down soft keys, from 1 to 60-100 Watts in increment of 1 Watt)

Frequency of HF voltage 350 KHz +/- 50 KHz

HF output 70-100 W at 100-200 ohms

Activation of HF output power pedal and auto start (either both or only pedal)

Auto start delay (if auto start) 1, 3, 5 sec

#### **Bipolar Cut**

(HF power adjustment with Up/down soft keys, from 1 to 60-100 Watts in increment of 1 Watt)

HF output 70-100 W at 100-500 ohms

**Safety measures**

1. Time limit LED glows if power delivery activated for more than 10 seconds. Power shuts OFF after total 15 sec. of continuous operation.
2. Auto. Patient plate detection, audio-visual alarm activation on patient plate disconnection
3. Monopolar output leakage current- Maximum 0.01 mA
4. Bipolar output leakage current- Maximum 0.01 mA

**Mechanical Details**

Weight- 12 Kg. Maximum

**Environmental Condition**

Operating Temperature 00 to 400C

**Other specification**

Unit should operate on 220 +/- 10% V AC, 50 Hz

## **Colorimeter (Photo-electric)**

Wave length – 400 to 700nm with 8 optical filters

Filters peak wave length (typical) – 420, 440, 490, 520, 540, 570, 600, 700 nm.

Measuring modes - %T, Abs., Conc. And K-Factor

Photometric resolution – 0.1%T to 0.001Abs up to 1.999Abs (O.D.)

Display – 2 line 16 character LCD

K-Factor – 0 to 1999

Concentration – 0 to 2 times of the absorbance

Memory – data can be stored in memory

Sample volume – 1 ml to 4 ml test tube / cuvette

Source – white LED

Detector – Hermetically sealed photo-diode

Printer – printing through standard laser printer

Power - 230±10% Volt, 50 Hz

Accessories – four test tubes and two glass cuvettes

## COLORIMETER

1. Should have 8 no. of filters wave length from 400 nm to 700 nm.
2. Should have a 3 digit display calibrated directly in optical density.
3. Detector should be encased spill proof photocell.
4. Should provide standard accessories
  - a. 10 cuvettes, 2 test tube stand
5. Should have facilities for concentration, calculation, percentage transmission and optical density.
6. Should work on 200-240Vac 50Hz power supply

Wavelength range	400 to 710nm
Wavelength selection	8 in-built gelatin filters: 430, 470, 490, 520, 540, 580, 600 and 710nm
Measurement ranges	0-100%T, 0-1.50Abs, 0.1 to 1000 Concentration
Resolution	1%T, 0.01Abs, 0.1 to 1 Concentration
Bandwidth	Typically 40nm
Blank drift	2%/hr after 15 minute warm-up
Photometric linearity	1%T
Light source	Tungsten filament lamp
Output	Analogue, 10mV per digit
Power	230V, 50Hz
Size (l x w x d)	300 x 355 x 120mm

## **Operation Theatre Light (Ceiling – Double Dome)**

### **1 Description of Function**

1.1 Surgical lights illuminate the surgical site for optimal visualization of small, low-contrast objects at varying depths in incisions and body cavities.

### **2 Operational Requirements**

2.1 The light should comprise of two domes with camera.

### **3 Technical Specifications**

3.1 Ceiling mounted OT light should have following specifications:

- Microprocessor based LED technology in double dome. The domes should have multiple LED lamps to provide the following specifications:

#### 1. Main Dome

- Light Head Diameter : 85 cm or less
- Light power (Lux) : 150,000 @ 1mt. or more
- Light filed diameter d10 : 25 cm
- Color Rendering Index : 95 or better
- Color Temperature : 4800 Deg. K or better

#### 2. Second Dome

- Light Head Diameter : 40 cm or less
- Light power (Lux) : 100,000 @ 1mt. or more
- Light filed diameter d10 : 18 cm or better
- Color Rendering Index : 85 or better
- Color Temperature : 4800 Deg. K or better
- Should have the following controls to adjust:

#### 3. Switching ON and switching OFF

- A) Light Intensity adjustment
- B) Depth of field
- C) Operating field focus

4. Should provide Infra red free and steady light without heat in the surgical area and on the operator's head

5. The heat generated from the light source and the delivered energy on the operative site/ path of light should not raise the temperature more than 2 Deg. C on the surgeon's head.

6. Should have an adapter to distribute the LED light quantity in a regular way producing a homogeneous light on the operating area without any shadows.

7. LED lamps should have service life of 50,000 hrs or better/

8. The design of the domes should be such that it will not interfere with the laminar flows of the Operating Room

9. Should confirm with International Standard for Medical Electrical equipment such as IEC

#### 10. Ceiling Mounting

- Ceiling hung articulated arms for above mentioned 2 light domes for positioning the respective dome comfortably in any position throughout spring loaded system. It should offer wide turning radius and height adjustment.

11. Should quote the cost of all accessories such as LED for replacement, light handles etc.

12. Camera Systems & Recording: – (RATES AND SPECIFICATIONS SHOULD BE QUOTED SEPERATELY)

- Camera with motorized zoom up to 10 x optical, 440000 pixels with ¼ CCD technology. Focus should be selectable from 4.2 ~ 42

- Video Camera should be mounted in the centre of the light and the handle should be sterilizable. Must include at least 3 handles.
- To be supplied with complete recording system on DVD.
- High resolution monitor compatible with the camera system and the recording system, of atleast 23"
- Monitor stand should be provided
- Remote control and Foot control for camera activation.

#### **4 System Configuration Accessories, spares and consumables**

4.1 System as specified

#### **5 Environmental factors**

- 5.1 Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.or should comply with 89/366/EEC; EMC-directive.
- 5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%
- 5.3 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%

#### **6 Power Supply**

- 6.1 Power input :220-240V/ 50 Hz AC Single phase or 380-400V AC 50 Hz Three phase fitted with appropriate plugs and sockets.
- 6.2 Suitable Servo controlled Stabilizer/CVT
- 6.3 Appropriate power back up to sustain for 2 hours.

#### **7 Standards, Safety and Training**

- 7.1 Should be USFDA , European CE,UL or BIS approved product
- 7.2 Manufacturer should be ISO certified for quality standards.
- 7.3 Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
- 7.4 Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (OR EQUIVALENT BIS Standard
- 7.5 Back to back warranty to be taken by the supplier from the principal to supply spares for a minimum period 10 years. Warranty for 2 years to be followed by CMC for 5 years, for which rates and terms & conditions are to be quoted .

#### **8 Documentation**

- 8.1 User/Technical/Maintenance manuals to be supplied in English.
- 8.2 Certificate of calibration and inspection.
- 8.3 List of important spare parts and accessories with their part number and costing
- 8.4 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job descriptin of the hospital technician and company service engineer should be clearly spelt out.
- 8.5 The supplier must furnish satisfactory service report for about 3 years or more from at least 3 users preferably Govt. Institutions
- 8.6 Compliance statement with clear links to page/line number in the product literature, in which the particular specification should be highlighted
- 8.7 List of users of the quoted model. The list must not contain users of models other than the one quoted.
- 8.8 Photocopy of purchase order(s) received from Govt institution for the quoted model in the last two years along with terms and conditions of contract.

## **SHADOWLESS LAMP (CEILING-SINGLE DOME)**

### **1. Description of Function**

Operating light is required for illuminating the operating area.

### **2. Operational Requirements**

State of the art system with shadow less light.

### **3. Technical Specifications**

- a. Single dome, single reflector O.T light
- b. Dome made of aluminium and completely sealed.
- c. Glass dichroic reflector incorporated within aluminium dome.
- d. Should be LED based microprocessor control technology
- e. Light output 1,00,000 Lux or more
- f. Colour temperature 4500 K or better
- g. Colour Rendering index (CRI) 95%
- h. Sterilizable focusing handle
- i. Should withstand wide voltage fluctuation
- j. Should have intensity control from 40-100%
- k. Should conform with International Standard for Medical Electrical equipment such as IEC

#### **l. Ceiling Mounting**

- Ceiling hung articulated arm for above mentioned light dome for positioning the respective dome comfortably in any position throughout spring loaded system. It should offer wide turning radius and height adjustment.

### **4. System Configuration Accessories, spares and consumables**

System as specified

**The rates for all the accessories should be quoted individual and separately.**

### **5. Environmental factors**

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

The unit shall be capable of operating continuously in ambient temperature of 0-40 deg C and relative humidity of 15-90%

### **6 Power Supply**

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

6.2 Suitable Servo controlled Stabilizer/CVT

6.3 Appropriate power back up to sustain for 2 hours.

### **7. Standards & Safety**

Should be European CE/UL/BIS approved product

Manufacturer should be ISO certified for quality standard

Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirement (or equivalent BIS Standard). Shall meet internationally recognised standard for Elector Magnetic Compatibility (EMC) for electromedical equipment IEC-60601-1-2: latest edition or equivalent at BIS or should comply with 89/366/EEC; EMC-directive as amended. Certified to be complaint with IEC 60601-2-41 particular requirements for the safety of Operation Theatre Light or Equivalent if applicable.

## **SHADOWLESS LAMP (MOBILE-SINGLE DOME)**

### **1. Description of Function**

Mobile operating light is required for illuminating the operating held in an emergency environment and the system can be moved from place to place.

### **2. Operational Requirements**

State of the art system with shadow less light.

### **3. Technical Specifications**

- a. Mobile, single dome, single reflector O.T light mounted on lockable castors
- b. Dome made of aluminium and completely sealed.
- c. Glass dichroic reflector incorporated within aluminium dome.
- d. Should be LED based microprocessor control technology
- e. Light output 1,00,000 Lux or more
- f. Colour temperature 4500 K or better
- g. Colour Rendering index (CRI) 95%
- h. Sterilizable focusing handle
- i. Should withstand wide voltage fluctuation
- j. Should have intensity control from 40-100%

### **4. System Configuration Accessories, spares and consumables**

System as specified

**The rates for all the accessories should be quoted individual and separately.**

### **5. Environmental factors**

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

The unit shall be capable of operating continuously in ambient temperature of 0-40 deg C and relative humidity of 15-90%

### **6. Power Supply**

Power input: 220-240V/50Hz AC Single phase. Emergency power Unit having in-built CVT with automatic change over from mains to battery mode in the event of power failure to provide 60 minutes backup.

### **7. Standards & Safety**

Should be European CE/UL/BIS approved product

Manufacturer should be ISO certified for quality standard

Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirement (or equivalent BIS Standard). Shall meet internationally recognised standard for Elector Magnetic Compatibility (EMC) for electromedical equipment IEC-60601-1-2: latest edition or equivalent at BIS or should comply with 89/366/EEC; EMC-directive as amended. Certified to be complaint with IEC 60601-2-41 particular requirements for the safety of Operation Theatre Light or Equivalent if applicable.



## Flexible Sigmoidoscope with Light Source

### Features of Sigmadioscope:

The images with high resolution, large range of view field, and brightness and clearance, make operators satisfactions very much and improve the correctness of observation and diagnosis.

### Specifications and Qualifications:

Angle of view field:-100 °

Diameter of Distal End:-ø13mm

Diameter of Insertion Tube:- ø12.8mm

Range of Tip Bending:-180 ° U,

180 ° D,

160 ° R,

160 ° L

Depth of View: -100mm

Diameter of Instrument Channel:-ø3.2mm

Working Length: -1300mm

### Xenon Light Source:

It has dielectric-coating reflector for Illuminating and it's mechanical luminance-adjustment is easy and comfortable to handle.

Power voltage and frequency ~ 220V/50HZ

Illumination >70000Lx

Color temperature >3200K

Bulb parameter 24V/300W

Air pump: 0.03MPa= Pressure=0.06Mpa; 0.25M<sup>3</sup>/h=Q=0.65 M<sup>3</sup>/H

Working distance 56 mm

Mode of Working Continuous 4h

Should be European CE/UL/BIS approved product

**RIGID SIGMOIDOSCOPE WITH LIGHT SOURCE**

- 1) Adult Size: Parts: Outer Tube of 20 x 20 mm & obturator, length 30cm
- 2) High quality rust free Stainless steel
- 3) Fiber optic cold light source: 1no.
  - 300 watt Xenon bulb
  - Bulb life 500 hrs minimum
  - Automatic stand by bulb
  - Fiber optic cable
  - Universal jaw assembly to adopt cables of other makes
- 4) Long crocodile biopsy forceps : 2 nos.
- 5) Good quality air insufflation system : 1 no.
- 6) High quality optical lens fitted on lid : 1 no.
- 7) Should be European CE/UL/BIS approved product

## **Boyles Apparatus/Boyles Anaesthesia Machine**

Anaesthesia system should be high end three gas system with three gas Oxygen, Nitrous Oxide and Medical Air with double scale flow meter for O<sub>2</sub> & N<sub>2</sub>O.

System should have at least two drawer. Pipeline, cylinder and Airway pressures should all be displayed on colour coded gauges and be visible at all times during operation. Should have provision to attach 2 cylinders 1 each for O<sub>2</sub> and N<sub>2</sub>O.

The unit should have a battery back up facility for the ventilator in the event of power loss and should operate for a minimum of one hour. In the event of complete power loss and battery failure it shall still be possible to manually ventilate and deliver anaesthetic agent.

Should have unlockable Oxygen flush to deliver oxygen flow of approximately 40l/min. Should have built in safety features like O<sub>2</sub> failure alarm, N<sub>2</sub>O cutoff, Low O<sub>2</sub> pressure etc., The unit shall have a hypoxic guard system to control the ratio of Oxygen and Nitrous oxide to ensure a minimum of 25% of oxygen delivery at all times to avoid delivery of hypoxic mixture.

Should be provided with standards circle absorber having adjustable pressure limiting wall and breathing circuit measuring device. Should have facility attach oxygen sensor. Should have fully autoclavable CO<sub>2</sub> absorbent canisters and bellows.

The unit should have an independent measurement and display of fresh gas flow offering safety for low and minimal flow anaesthesia. The unit should accommodate two vaporizers for anesthetic agent delivery to allow easy selection of agent to be used. Vaporiser should be selectable type, tool free installation and vaporiser of our choice can be mounted at will with interlocking facility to allow operation of only one vaporiser at one time. Vaporizers supplied with the unit shall be routine maintenance free for the life of the product. Should provide Isoflurane key filled vaporisers.

All parts of the breathing system that are in contact with patient gas should be latex free and canister and bellow should be autoclavable. The ventilator bellows shall be clearly visible and should ascend on expiration to provide a quick visual indicator for system leaks. Breathing system should have CO<sub>2</sub> Absorber.

Should have bag / vent selecting valve integrated onto the absorber and should automatically turn on the ventilator when positioned to vent mode.

Ventilator should be pneumatically driven, electronically controlled and should be ascending bellows type. Ventilator should automatically change drive gas should there be a gas depletion. Ventilator shall have a large display with touch screen user interface. Ventilator should have the following ventilation abilities, volume control, SIMV with pressure support.

Ventilator should be capable of ventilating diverse range of patient groups from neonates to patients with restrictive airways with tidal volume range between 20 ml to 1500 ml with single bellows system. Assisted modes of breathing should be flow triggered. Ventilator shall have an active proportional exhalation valve to prevent the potential of over delivery during pressure modes of ventilation.

Ventilator shall compensate for fresh gas flow and compliance of the entire circuit dynamically. Measurement at the patient end of the circuit (sensor at the patient end) should be provided to compensate for small leakages and compressible volume variability that occur during ventilation.

User should also have the option of setting a pre set compliance correction where similar circuits are used constantly.

Should provide constant fresh gas flow into the breathing circuit during the inspiratory phase as mandatory. Apnea alarms must be user adjustable to allow for all operating conditions and phases during Anesthesia. Ventilator should also display waveforms for flow and airway pressure. Ventilator shall display measured fresh gas independent of the flow meters. Ventilator shall display a dynamic compliance measurement.

Should be USFDA/European CE certified product

## Rigid laryngoscope

### **Specifications-**

- Anterior commissure laryngoscope adult size- 18cm
- Anterior commissure laryngoscope pediatric size
- Operating laryngoscope adult size 18cm
- Operating laryngoscope pediatric size
- Laryngoscope holder and chest support for use with above laryngoscopes adult size ( ring 9.5cm, rod 34cm)
- Laryngoscope holder and chest support pediatric size (ring 9.5cm, rod 24cm)
- Blade type Macintosh in quantity number three (3) with Lamp installed.
- Fitting Blade: Hook on fitting tip adjustable on the blade to provide the clinician with greater flexibility, especially in cases of difficult intubation. Uses four different angles between the blade and handle i.e 90 degree, 45 degree, 180 degree and 135 degree (standard) with four locked position light remains illuminated during changing from one position to another
- Fiber optic light carrier to fit in operating laryngoscope adult and pediatric size.
- Cold light xenon source-
- Power supply-220-240 VAC, 50/60Hz including 400A mains cord
- Xenon spare lamp 300watt/ 15 volt Xenon spare lamp 300watt/ 15 volt
  
- Complete sets to be provided in zipper case.
- The equipment should be USFDA or international CE approved and should be manufactured by single parent company.

## SPECIFICATIONS FOR PAN ENDOSCOPY INSTRUMENTS SET

S.NO.	EQUIPMENT	NOS.
1.	Infant operating laryngoscope , length 9.5cm with fibre optic light carrier	1
2.	Anterior commissure laryngoscope with fibre optic light carrier paediatric	1
3.	Anterior commissure laryngoscope with fibre optic light carrier Medium	1
4.	Anterior commissure laryngoscope with fibre optic light carrier Large	1
5.	Hypopharyngoscope with fibre optic carrier child	1
6.	Hypopharyngoscope with fibre optic carrier adult medium	1
7.	Hypopharyngoscope with fibre optic carrier adult large	1
8.	Kleinsasser operating laryngoscope, length 17cm	1
9.	Laryngoscope holder and chest support	1
10.	Monopolar Laryngeal Needle	1
11.	Laryngeal Suction Tubes 24-25cm 1 No.	1
12.	Laryngeal Suction Tubes 24-25cm 2 No.	1
13.	Laryngeal Suction Tubes 24-25cm 3 No	1
14.	Laryngeal Suction Tubes 24-25cm 4 No.	1
15.	Monopolar Laryngeal Suction Tube	1
16.	Micro Laryngeal Forceps Serrated Jaw Straight 24-25cm	1
17.	Micro Laryngeal Forceps Serrated Jaw Straight 34-35cm	1
18.	Micro Laryngeal Forceps Serrated Jaw Curved Right 24-25cm	1
19.	Micro Laryngeal Forceps Serrated Jaw Curved Left 24-25cm	1
20.	Micro Laryngeal Forceps Serrated Jaw Upward 24-25cm	1
21.	Micro Laryngeal Forceps Cup Jaw Straight 24-25cm	1
22.	Micro Laryngeal Forceps Cup Jaw Straight 34-35cm	1
23.	Micro Laryngeal Forceps Cup Jaw Curved Right 24-25cm	1
24.	Micro Laryngeal Forceps Cup Jaw Curved Left 24-25cm	1
25.	Micro Laryngeal Forceps Cup Jaw Upward 24-25cm	1
26.	Micro Laryngeal Scissors Straight 24-25cm	1
27.	Micro Laryngeal Scissors Curved Right 24-25cm	1
28.	Micro Laryngeal Scissors Curved Left 24-25cm	1
29.	Patterson Biopsy Forceps 24-25cm	1
30.	Patterson Biopsy Forceps 34-35cm	1
31.	Patterson Biopsy Forceps 44-45cm	1
32.	Patterson Biopsy Forceps 54-55cm	1
33.	Jackson Grasping Forceps 24-25cm	1
34.	Jackson Grasping Forceps 34-35cm	1
35.	Jackson Grasping Forceps 44-45cm	1
36.	Jackson Grasping Forceps 54-55cm	1
37.	Jackson Foreign Body Forceps 24-25cm	1
38.	Jackson Foreign Body Forceps 34-35cm	1
39.	Jackson Foreign Body Forceps 44- 45cm	1
40.	Jackson Foreign Body Forceps 54-55cm	1

41.	Vocal Nodule Forceps 24-25cm	1
42.	Biopsy Punch Forceps 24-25cm	1
43.	Biopsy Punch Forceps 44-45cm	1
44.	Biopsy Punch Forceps 54-55cm	1
45.	Micro Laryngeal Swab Holder	1
46.	Micro Laryngeal Knife Straight sickle 3-1mm tapered shaft length 20-25cm	1
47.	Micro Laryngeal Probe 90 degree	1
48.	Micro Laryngeal Round Knife 450	1
49.	Micro Laryngeal Peeling Knife	1
50.	Micro Laryngeal universal Handle	1
51.	Micro Laryngeal Probe Straight	1
52.	Suction elevator angular with grip plate and cut off hole, working length 21cm, total length 23cm	1
53.	Fehland needle holder, angled 90 degree to right, working length 20 CM	1

54.	Fehland needle holder, angled 90 degree to left, working length 20cm	1
55.	Bronchoscope Tube Universal, without distal fiber optic light carrier for use with proximally insertable prismatic light deflector and plugs length 43 cm, size 8.5,7.5,6.5	1 each
56.	Bronchoscope length 30cm, size 5,4.5	1 each
57.	Prismatic Light Deflector, autoclavable, with connection fibre optic light cable	
58.	Glass Window Plug for all bronchoscopes	
59.	Rubber Telescope Guide	
60.	Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, movable, for use with Full Lumen Tracheoscopes and Bronchoscopes	
61.	Injection Cannula, for positive pressure assisted ventilation system, O.D. 3.5 mm for use with bronchoscopes and tracheoscopes with LUER-lock	
62.	Instrument Guide, for suction catheter	
63.	Adaptor from bronchoscope to respirator	
64.	Rigid Suction Tube, diameter 4mm, working length 50 cm	
65.	Rigid Suction Tube, diameter 2.5mm, working length 50 cm	
66.	Injection Cannula for positive pressure assisted ventilation system, O.D. 3.5 mm and 2.7mm with LUER-lock	1 each
67.	Compatible Suction tube, straight, with rubber tip, diameter 2mm Working length 35cm	
68.	Universal Oesophagoscope with Distal or Proximal illumination Adult 250mm length 12x8 mm diameter	1
69.	Universal Oesophagoscope with Distal or Proximal illumination Adult 300mm length 14x10 mm diameter	1
70.	Universal Oesophagoscope with Distal or Proximal illumination Adult 300mm length 16x12 mm diameter	1
71.	Universal Oesophagoscope with Distal or Proximal illumination Adult	1

	500mm length 12x8 mm diameter	
72.	Illumination system, cap, magnifier and telescope sealing cap for adult scopes	1 set
73.	Universal Oesophagoscope with Distal or Proximal illumination Child 270mm length 5.5 mm diameter	1
74.	Illumination system, cap, magnifier and telescope sealing cap for child scope	1 set
75.	Optical forceps for Oesophagoscope Alligator Foreign body to fit in 300 mm Oesophagoscope	1
76.	Optical forceps for Oesophagoscope biopsy forcep to fit in 300 mm Oesophagoscope	1
77.	Jackson esophageal forcep standard shaft, deep serrated upper moving jaw, 400mm length	2
78.	Foreign body forcep for cutting of denture hooks with good cutting power 450mm length	2
79.	Foreign body forcep alligator jaw with deep serration 350mm length 2.0mm shaft diameter	2
80.	Peanut grasping jaw 350-355mm length 2.0mm shaft diameter	2
81.	Cut biopsy forcep 350-355mm length 2.0mm shaft diameter	2
82.	Rotation Forcep for hard Foreign bodies 450-455mm length	2
83.	Aspiration tubes rigid 350-355mm length 2.5mm diameter	4
84.	Aspiration tubes rigid 500 mm length 4.0mm diameter	2
85.	Cotton carrier working length 350mm	2
86.	Cotton carrier working length 350mm	1

- ONE COMPLETE SET SHOULD BE FROM SINGLE VENDOR

#### **SPECIFICATION FOR TITANIUM INSTRUMENTS:**

1. All Instruments should be of international quality and made from surgical grade titanium.
2. The “Hinges” should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for at least 02 years.
4. Further repair should be available for next 5 years.
5. The brand name along with catalogue number should be etched on the instruments.
6. The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.
7. Satisfactory Performance Certificate from a Government Hospital is mandatory.
8. The instruments might be call for demonstration and approval.
9. It is the sole discretion of the purchaser to approve or disapprove the quality.

#### **SPECIFICATION FOR STAINLESS STEEL INSTRUMENTS:-**

1. All Instruments should be of imported and made from surgical grade stainless steel.  
Documentary evidence required for grade of material.
2. The “Hinges” should be rust proof
3. The instruments should be guaranteed against metal fatigue and rust for 02 years.
4. The instruments surface should be non-reflective.



5. The brand name along with catalogue number should be etched on the instruments.
6. The instrument should be European CE & USFDA approved.
7. The instruments might be call for demonstration and approval. It is the sole discretion of the purchaser to approve or disapprove the quality.

#### **CERTIFICATION**

1. The instruments quoted should be of high quality and standard.
2. The Instruments should be imported and of CE or USFDA certification.
3. Copy of the European CE certificate or USFDA certificate must be enclosed
4. The instruments must be ISO certified and copy to be enclosed
5. Sterilization Container should be quoted along with Instrument set.
6. Sterilization Container and Instruments should be of the same parent company.
7. It should also consist of tray and silicon matt (for micro instruments).
8. The Sterilization containers should offer superior filtration efficiency of 99.99997%
9. It should have an indicator wherein colour green means the container is "sterile" and when the container is opened, the indicator should automatically change to red colour indicating "unsterile"
10. The Sterilization containers should meet international standards and approved for steam sterilization procedures.

## EQUIPMENT SPECIFICATIONS FOR NEBULISER

### 1 Description of Function

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
1.1	Nebulizer is a device used to administer medication to people in forms of a liquid mist to the airways. It is commonly used in treating cystic fibrosis, asthma, and other respiratory diseases		

### 2 Operational Requirements

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
2.1	Heavy duty compact Nebuliser is required.		

### 3 Technical Specifications

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
3.1	<p>Technical Specifications</p> <ol style="list-style-type: none"><li>1. Compact, light weight, low noise</li><li>2. Aluminium cabinet painted with epoxy powder.</li><li>3. Durable long life compressor. Suitable for heavy duty/ hospital use, should be able to run uninterruptedly for one hour, Max Pressures = 2.0-2.5 bars</li><li>4. Should produce particles of size 1-5 micron. Should provide Germ free inhalation circuitry incorporating two stage filters.</li><li>5. Piston-type electric aspirator that offers high performance and great durability.</li><li>6. Protective thermal cut out relay</li><li>7. Air delivery rate app.15 L/min.</li><li>8. 24 hours continuous work for hospital use.</li></ol>		

### 4 System Configuration Accessories, spares and consumables

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
	None		

### 5 Environmental factors

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
5.1	Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. or should comply with 89/366/EEC; EMC-directive.		
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and Relative Humidity of 15-90%		
5.3	The unit shall be capable of operating continuously in ambient temperature of 20-40 deg C and Relative Humidity of 15-90%		

## 6 Power Supply

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
6.1	Power input to be 220-240VAC, 50Hz.		
6.2	UPS of suitable rating with voltage regulation, spike protection and maintenance free Batteries for 60 minutes back up		

## 7 Standards, Safety and Training

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
7.1	Should be US FDA, European CE, UL or BIS approved product		
7.2	Manufacturer should have ISO certification for quality standards.		
7.3	Comprehensive warranty as per bid document.		

## 8 Documentation

SI	Name	Technical Specs quoted by bidder	Bidders Deviation if any
8.1	User/Technical/Maintenance manuals to be supplied in English.		
8.2	List of important spare parts and accessories with their part number and costing.		

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

## **Phototherapy Unit**

### Specifications of LED Phototherapy

- Should have approx. 18 nos high power LED
- Should have Intensity :  $> 30 \mu\text{w} / \text{cm}^2 / \text{nm}$
- Variation in intensity over 6 hours :  $<10\%$
- Light Source Life time : minimum 20,000 hr
- Should have Effective Area : 50 X 25 cm
- Should have Audible noise  $<60\text{dB}$

### ***Dimension***

- Cart approximately: 1460 mm(H) X 430 mm(L) X 520mm(D)
- Main : 75mm(H) X 340 mm(L) X 210 mm(D)
- Should have Electrical Leakage current :  $<100 \mu\text{A}$
- Should have Electrical Input : AC 100 ~ 240 V (50/60 Hz)
- Should have Electrical Consumption : about 80 VA
- Should have European CE Certification

Should have height adjustment.

Should have temperature adjustment.

LED based phototherapy for newborn using 18 high power LED sources in the range 460-480 nm and having output intensity  $> 30\mu\text{w}/\text{cm}^2/\text{nm}$  at 45 cm.

Should conform to all standard safety standards

## Panchkarma Equipment

S.NO	NAME OF THE ITEM	SPECIFICATONS	QUANTITY
1.	<b>DRONI</b> (with stand) a.Wooden	<p><u>Dharapathy (Wooden) –</u></p> <ul style="list-style-type: none"> <li>• Made out of single Piece Medicinal wood such as <i>Pterocarpus Marsupium</i> or <i>Albizia Lebbak</i></li> <li>• Contoured head area with double slope from all sides</li> <li>• Natural wood finish on the body surface and Melamine polish on the outer areas.</li> <li>• Oil collection bowl at the head end with a drain hole which can be kept closed or open.</li> <li>• Drain channel (11” x 5” size) at the leg end</li> <li>• Edges raised adequately by suitable means to avoid oil spillage</li> <li>• Provision of Handles for perfect grip with brass strip in grooves.</li> <li>• Seasoned by Kiln (subjecting to high velocity air and steam for 21 days) and oil seasoning method (total immersion in <i>Ricinus communis</i> oil for a period of 07 days)</li> <li>• Size: 270 cm X 75 cm X 8 cm</li> </ul> <p><u>Table / Stand for Droni:</u></p> <ul style="list-style-type: none"> <li>• Made out of medicinal woods such as as <i>Pterocarpus Marsupium</i> or <i>Albizia Lebbak</i>.</li> <li>• 4” size legs with Inter – tied design.</li> <li>• Brass protection at the leg ends.</li> <li>• Decorative carvings on the support frame.</li> <li>• Polished with Melamine after 2 coats of Wood sealer</li> </ul> <p><u>Steps:</u></p> <ul style="list-style-type: none"> <li>• 2 stair steps with 9" tread width and non-slip surface.</li> <li>• Material should be Powder coated steel</li> <li>• Size:40x45x30cm(H)</li> </ul>	2 sets
	b. FRP/FIBER GLASS	<p><u>Heavy duty droni with Stand &amp; Step:</u></p> <p>a.Dharapathy-</p> <ul style="list-style-type: none"> <li>• Heavy Duty Droni made of NPG -ISO resin and glass fibre</li> <li>• Should be provided with Stand &amp; Step</li> </ul>	1

		<ul style="list-style-type: none"> <li>Traditional shape with an integral catch bowl and drain channel at the head &amp; leg ends.</li> <li>Made in wood design finish having Shirodhara bowl and drain channel.</li> <li>4 Nos foldable handles <ul style="list-style-type: none"> <li>i. Size:9.5'X36'X5"</li> <li>ii. 8'X30"X4"</li> </ul> </li> </ul>	4												
		<table border="1"> <thead> <tr> <th></th> <th><u>9.5' Droni</u></th> <th><u>8' Droni</u></th> </tr> </thead> <tbody> <tr> <td>Size (overall)</td> <td>289 x 90 x 13</td> <td>247 x 78 x 11cm</td> </tr> <tr> <td>Size of Bowl</td> <td>32.5cm x 25cm</td> <td>25cm dia x 5cm</td> </tr> <tr> <td>Size of drain channel</td> <td>18cm x 14cm</td> <td>20cm x 10 cm</td> </tr> </tbody> </table>		<u>9.5' Droni</u>	<u>8' Droni</u>	Size (overall)	289 x 90 x 13	247 x 78 x 11cm	Size of Bowl	32.5cm x 25cm	25cm dia x 5cm	Size of drain channel	18cm x 14cm	20cm x 10 cm	
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Size of Bowl	32.5cm x 25cm	25cm dia x 5cm													
Size of drain channel	18cm x 14cm	20cm x 10 cm													
		<p><u>Table for Droni :</u></p> <p><u>a.Tilttable Steel Table-</u></p> <ul style="list-style-type: none"> <li>Should have facility to lower the head-end by rotating a hand wheel clockwise for Nasya, Shirodhara and to lower the leg-end by anti-clockwise rotation for Abhyanga or Pizhichil</li> <li>Provided with steel angle tie frame (2 nos.), locking brackets for holding Dharapathi (8 nos.) and foldable handles (4 nos.)</li> <li>Powder coated to resist corrosion.</li> <li>Size: 235cm x 80cm x 75cm ( overall)</li> </ul> <p><u>b.FRP Stand:</u></p> <ul style="list-style-type: none"> <li>Pair of two individual FRP structures made in the traditional 'Thulsi thara' waisted shape to support the Droni.</li> <li>Top surface should have rubber padding.</li> <li>Weight of each support not less than 40 kg</li> </ul> <p><u>Steps:</u></p> <ul style="list-style-type: none"> <li>2 stair steps with 9" tread width and non-slip surface.</li> <li>Material should be Powder coated steel</li> <li>Size:40x45x30cm(H).</li> </ul>	04												
2	<b>STEAM BATH SYSTEM</b>	a) Wood – design Fiberglass chamber with Digital temperature controller & semi- automatic electrical boiler Steam Chamber:	01set												

2(a) STEAM BATH CHAMBER (SITTING)	<ul style="list-style-type: none"> <li>Made of FRP moulded with heat resistant ISO resin and glass fibers.</li> <li>Provided with height adjustable, revolving seat with SS top, neck shutter, support stand of powder coated steel, door with SS hinges, 10mm dia. Copper tube steam distributor with 70 mm wide FRP cladding and ½” brass fittings, moulded floor with non-slip profile, hydraulic type steam hose (½” size) having end fittings for leak proof steam connection and ball valve control</li> </ul>	
2(b) STEAM BATH (LYING TYPE)	<p>Boiler:</p> <ul style="list-style-type: none"> <li>Semi-automatic electric boiler provided with a water level sensing system and warning buzzer.</li> <li>Made of stainless steel (SS 304 grade) and provided with SS herbal basket (for herbal steam), Baumer pressure gauge, heavy safety valve with SS spring, SS droplet remover, 3KW ISI quality heaters with screwed terminals, Neoprene gasket and Thermostat for safety.</li> <li>The SS control box with a MCB, Relay system, control card and heater indicator.</li> <li>Capacity of 3 steamings with one filling of water</li> <li>Steel stand with heat resistant coating for placing boiler. Stand should have 26cm dia outer ring.</li> <li>Size: 36 x 36x 65 cm (total).</li> </ul> <hr/> <p>1. Teak wood fixed bed on wooden stand:</p> <p>Chamber:</p> <ul style="list-style-type: none"> <li>Made with wooden frame and with translucent, wrinkled FRP window panel made of heat resistant NPG fibreglass.</li> <li>Bed made of Teakwood or PTA-FRP of high heat resistance.</li> <li>FRP condensate tray below the bed containing Stainless steel (SS- 304 Grade) steam distributors.</li> <li>Bottom portion should be sealed to avoid steam leakage.</li> <li>Provision of a semi circular collapsible head rest of 20cm size.</li> </ul>	1set



		<ul style="list-style-type: none"> <li>• Size: 210cm x 84cm x 88cm</li> </ul> <p>Steam Boiler :</p> <ul style="list-style-type: none"> <li>• Dual heating (gas &amp; electric) - Semi- automatic boiler with water level sensing system and warning buzzer</li> <li>• Made of stainless steel (SS 304 grade) and should be provided with SS herbal basket (for herbal steam), Baumer pressure gauge, safety valve with SS spring, SS droplet remover, water level check valve, 3KW ISI quality heaters with screwed terminals, Neoprene gasket and Thermostat for safety.</li> <li>• Provision of SS control box with a MCB, Relay system and heater indicator.</li> <li>• SS flame guard (SS 202 grade), Gas connection fittings, high speed burner and stand should also be provided.</li> <li>• Stainless steel stand (SS 202 grade) for placing the boiler. Gas control valve should be anchored to the stand. Stand should have 26cm dia outer ring and 20cm dia inner ring.</li> <li>• Capacity of at least 3 steaming with one filling of water.</li> </ul> <p>2. Hardwood fixed bed with FRP/SS chamber:</p> <p>Chamber:</p> <ul style="list-style-type: none"> <li>• Base frame and bed made of hardwood.</li> <li>• Chamber must have heat resistant, wrinkled, transparent FRP body with Stainless steel frame work.</li> <li>• Bed made of Teakwood or PTA-FRP of high heat resistance.</li> <li>• FRP condensate tray should be provided below the bed and should contain Stainless Steel (SS 304 Grade) steam distributors.</li> <li>• Bottom portion should be adequately sealed to avoid steam leakage.</li> <li>• Semi circular collapsible head rest of 20cm size should be provided.</li> </ul> <p>Steam Boiler: As specified in 2.b.1</p>	<p>01</p> <p>01</p>
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		<p>3) Wooden whole body steam bath;</p> <ul style="list-style-type: none"> <li>• semi- circular hinged top cabin made in 4 sections for easy opening by hand.</li> <li>• Chamber should have inner FRP panelling made of heat resistant PTA and glass fibres</li> <li>• Bottom storage area must have 8 doors (4 on each side).</li> <li>• FRP condensate tray with SS steam dispersion system below the steam bed</li> <li>• made of medicinal wood sections or heat resistant FRP.</li> <li>• Storage cabinet areas must be totally sealed from steam and moisture.</li> <li>• Size-280cmx 90cmx 130cm.</li> </ul>	01
3.	<b>NADI SWEDA YANTRA</b>	<ul style="list-style-type: none"> <li>• Stainless steel (SS 304 quality) boiler fitted with ISI quality heater of 2 kw capacity, heater indicator, thermostat, SS droplet remover, Neoprene gasket, water level check valve, SS Perfume Box, Safety valve having SS Spring, Baumer make pressure gauge, special high pressure steam hose, hand held sprayer with water strainer and a safety plug.</li> <li>• Provided with a powder coated, balanced, wheeled trolley for mobility.</li> <li>• Provision of Spray gun with wooden handle and 30° tapered nozzle pipe.</li> <li>• Should be designed to work with only 6 litres of water to save electrical energy and pre-steaming time.</li> <li>• Size: 36cm x 36cm x 56cm (total)</li> <li>• Mounted on four wheel for easily mobility</li> </ul>	02
4	<b>AWAGA HA TUB</b>	<ul style="list-style-type: none"> <li>• Full body Fiberglass bath tub made of NPG- ISO material.</li> <li>• Structural frame made of 20 mm size CR square pipes and clad with rust-proof metal sandwich panels.</li> <li>• Provided with re-circulation system and digital temperature control system.</li> <li>• The bath tub should have non-slip profiled floor, moulded hand rest, handle bars, hand-switch for pump operation, cold &amp; hot</li> </ul>	02

		<p>water inlets and overflow provision, hand - held flexible body-jet, Stainless steel boiler with 2 KW heater, Digital temperature controller cum Indicator and mechanical thermostat for safety against digital control failure.</p> <ul style="list-style-type: none"> <li>• Provision for pumping- out of hot water with valve controls for cold water inlet, hot water outlet and drain should be present.</li> <li>• Provision of flexible 1"size hose for drain pipe.</li> <li>• Provided with Wheels</li> <li>• Size: 160 cm x 75 cm x 55 cm height</li> </ul>	
5	<b>SHIROV ASTI</b>	<ul style="list-style-type: none"> <li>• Cap: Adjustable leather cap made out of calf leather</li> <li>• Vinyl lining on the inner surface</li> <li>• 3nos. each of 10" and 20" long</li> <li>• Should be provided with Velcro straps to quickly adjust the size, fasten and re-open.</li> <li>• Size: 80cm x 20cm.</li> </ul>	08
6	<b>VAMAN PEETH</b>	<ul style="list-style-type: none"> <li>• Made of tubular steel; electrostatic powder coated</li> <li>• Provision of stainless steel sink (size: 20" x 17" x 7"), transparent measuring jar (2 litres), BP apparatus tray, medicine Tray, towel bar &amp; sink height adjustable system.</li> <li>• Mounted on 4 Nos. wheels,</li> <li>• Height adjustable steel chair with tiltable &amp; adjustable head support and reclining back for comfortable Vaman execution.</li> <li>• Chair made of 20mm OD pipes and table of 25mm OD pipe.</li> <li>• Approx. size: Chair 56 x 50 x 80 cm, Table 80 x 43 x 85 cm max., and 66 cm minimum height.</li> </ul>	01

### **Dhara stand**

Shirodhara Stand (Fully Adjustable) - made of Stainless Steel of superior quality in fully adjustable design so that the Shirodhara vessel can be moved vertically and horizontally to any desired position. Should be provided with wheels for mobility. Size: 180cm x 55cm

### **Dharapatra**

Dharapatra Should be made up of heat resistant, corrosion free NPG Fiberglass and should be provided with brass fittings, stainless steel chains and CP ball valve control.

## **DISSECTING MICROSCOPE**

Eye piece: Straight binocular type wide field (10 x and 20 x )

Optic carrier with five steps magnification

Fine focusing- manual

Objective 250mm f & 400 mm f

Cold light co-axial illumination additional 10 spare bulbs

Solid metallic body with sturdy stand riding on heavy duty castor wheels with locking breaks.

Provided with detachable hand rests.

Glass stage ( 85mm x 75mm) with spring clip.

Option for inserting white/black metal plate as background.

Sub- stage plano concave mirror

Halogen illumination 150W with power supply.

Should have 3 spare lamps with each unit.

To be supplied in wooden box with locking arrangement.

### **Accessories, spares and consumables**

Spare Bulb

### **Power Supply**

Power input to be 220-240VAC, 50Hz

### **Standards, Safety and Training**

BIS approved product or equivalent

**Binocular Microscope (Medical/Students Type)** Student upright Binocular Microscopes (with inbuilt light source & imported achromatic optics)

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

## **BINOCULAR MICROSCOPE (TEACHNING/RESEARCH)**

### **Optical system:**

- Infinitely corrected optics par focal, plan achromatic lenses with anti fungal properties.

### **Illumination:**

- Built in transmitted Koehler illumination.
- 6 V, 20 to 30 W halogen bulb
- 220-240V 0.85/0.45A 50Hz.

### **Focusing**

- Stage height movement by roller guide (rock & pinion)
- Upper limit stopper
- Tension adjustable on coarse focus adjustment knob

### **Revolving nosepiece**

- Quintuple with inward tilt

### **Observation tube:**

- Tube Infection -30-45°.
- Interpupillary distance adjustment range- minimum 50 to 70mm.

### **Stage:**

- Movement range -76 mm X-direction X 50mm Y- direction
- Rectangular scratch resistance stage with right hand control with double side holder and vernier calipers on XY axis.

### **Condenser:**

- Type - Abbe condenser
- N.A.- 1.2 dry type
- Aperture iris diaphragm - built -in

### **Objective. Plan Achromat 4x, 10x, 20x, 40x, & 100x.**

Minimum working distance for 100x should be 0.13 to 0.2 mm Eyepiece

- 10x with F.N 20

All the necessary adapters and power cords should be provided for functioning of microscope.  
Optical parts manufactured in Japan/ Germany

## **Monocular Microscope Lab (Oil Immersion Type)**

### Monocular Microscope

With quadruple nosepiece having positive click stop based on balls, co-axial focusing based on 4stage gear reduction system, travelling on ball guides, locking device in coarse motion to avoid damage to valuable slides, built in co-axial mechanical stage for slide manipulation, built in light arrangement having 6V,20w halogen lamp and solid state variable light control system.

Complete as above in plywood cabinet or thermocole packing with following optics:  
Eye pieces H 5x & WF 10x Objectives 5x, 10x, 45x (SL), 100x (SL) Oil immersion



# SECTION-VII

## TECHNICAL SPECIFICATIONS GENERAL TECHNICAL SPECIFICATIONS

### GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

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

3. Training:

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

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

- a) The cost of Comprehensive Maintenance Contract (**CMC**) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted **for next 3 years** on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
- b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- c) Cost of CMC will be added for Ranking/Evaluation purpose.
- d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5 % of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
- e) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

- f) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- g) All software updates should be provided free of cost during CMC.
- h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
- i) The payment of CMC will be made as stipulated in GCC Clause 21.

***Turnkey:***

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

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

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

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

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

**Note 3:** OPTIONAL ITEMS: Deleted.

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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**

01. The Tenderer must be a Manufacturer. In case the manufacturer does not quote they may authorise their agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
02. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, atleast 50% of the quoted quantity of the similar equipment meeting major specification parameters which is functioning satisfactorily. The foreign Manufacturer satisfying the above criteria should also have supplied and installed in last **Five** years from the date of Tender Opening, atleast 50% of quoted quantity of similar model which is functioning satisfactorily any where outside the country of manufacture.
02. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 02 (a) should have supplied and installed in last **Five** years from the date of Tender Opening, atleast 50% of the quoted quantity of similar equipments which is functioning satisfactorily, any where in India of any manufacturer.

#### **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 incorrecr, we are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.**

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

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

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

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

(For the period of last five years)

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

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

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

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

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

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

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

**Signature and seal of the Tenderer**

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

**Section – X**  
**TENDER FORM**

Date \_\_\_\_\_

To

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Director  
North Eastern Institute of  
Ayurveda & Homoeopathy (NEIAH)  
Mawdiangdiang,  
Shillong,  
Meghalaya -793018  
(INDIA)

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

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**(Signature with date)**

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

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

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

Total Tender price in Rupees: \_\_\_\_\_

In words: \_\_\_\_\_

**Note: -**

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

Name \_\_\_\_\_

Business Address \_\_\_\_\_

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

Signature of Tenderer \_\_\_\_\_

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

Seal of the Tenderer \_\_\_\_\_

**SECTION – XI PRICE SCHEDULE**  
**B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD**

1	2	3	4	5					6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Currency)					Total price on CIP (at Consignee Site) basis i.e. at NEIAH, Shillong  4X 5 (e)
				FOB price at port/ airport of Lading  (a)	Carriage & Insurance (port of loading to port of entry) and other Incidental costs**  (b)	Incidental Services (including Custom Duty on CDEC basis, Custom Clearance, Transportation to Consignee Site, Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site**  (c)	Extended Insurance (local transportation and storage) from port of entry to the consignee site for a period including 3 months beyond date of delivery**  (d)	Unit Price on CIP (at Consignee Site) basis  (e) = a+b+c+d	

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

Total Tender price in foreign currency: \_\_\_\_\_

In words: \_\_\_\_\_

**Note: -**

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. The Tenderer will be fully responsible for the safe arrival of the goods at Consignee site.

**Indian Agent:**

**Indian Agency Commission - \_\_\_% of FOB**

**Signature of Tenderer** \_\_\_\_\_

Name \_\_\_\_\_

**Business Address** \_\_\_\_\_

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

**Signature of Tenderer** \_\_\_\_\_

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

**Seal of the Tenderer** \_\_\_\_\_



## SECTION – XI PRICE SCHEDULE

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

1	2	3	4			5	6
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.			Total Annual Comprehensive Maintenance Contract Cost for each unit for 3 years (4a+4b+4c)	Annual Comprehensive Maintenance Contract Cost for 3 Years [3 x 5]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>		
			a	b	c		

\* CMC after completion of Warranty period at NEIAH, Shillong

**NOTE:-**

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

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

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

Name \_\_\_\_\_  
 Business Address \_\_\_\_\_  
 Signature of Tenderer \_\_\_\_\_  
 Seal of the Tenderer \_\_\_\_\_

**SECTION – XI PRICE SCHEDULE**  
**D) PRICE SCHEDULE FOR TURNKEY AT NEIAH , SHILLONG**

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

**Note: -**

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

Name \_\_\_\_\_

Business Address \_\_\_\_\_

Signature of Tenderer \_\_\_\_\_

Seal of the Tenderer \_\_\_\_\_

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

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

**SECTION – XII  
QUESTIONNAIRE**

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

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

**SECTION – XIII**  
**BANK GUARANTEE FORM FOR EMD**

Director  
North Eastern Institute of  
Ayurveda & Homoeopathy (NEIAH)  
Mawdiangdiang,  
Shillong,  
Meghalaya -793018  
(INDIA)

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

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

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

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

---

(Signature of the authorised officer of the Bank)

---

Name and designation of the officer

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

**SECTION – XIV**  
**MANUFACTURER’S AUTHORISATION FORM**

To

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**Director**  
**North Eastern Institute of**  
**Ayurveda & Homoeopathy (NEIAH)**  
**Mawdiangdiang,**  
**Shillong,**  
**Meghalaya -793018**  
**(INDIA)**

Dear Sirs,

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 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.

Yours faithfully,

---

[Signature with date, name and designation]  
for and on behalf of Messrs \_\_\_\_\_

[Name & address of the manufacturers]

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

**SECTION – XV**

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

To  
Director  
North Eastern Institute of  
Ayurveda & Homoeopathy (NEIAH)  
Mawdiangdiang,  
Shillong,  
Meghalaya -793018  
(INDIA)

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

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

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

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

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

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

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

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

.....  
Name and designation of the officer

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

**SECTION – XVI  
CONTRACT FORM - A**

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

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

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

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

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

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

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

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

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

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

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

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

- 2. 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
  - 3. Warranty clause
  - 4. Payment terms
  - 5. Paying authority

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

Received and accepted this contract

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

For and on behalf of \_\_\_\_\_

(Name and address of the supplier)

\_\_\_\_\_  
(Seal of the supplier)

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

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



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

Annual CM Contract No. \_\_\_\_\_ dated \_\_\_\_\_  
 Between \_\_\_\_\_

(Address of Head of Hospital/Institute/Medical College)  
 And \_\_\_\_\_

(Name & Address of the Supplier)

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

In continuation to the above referred contract

6. 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 3 Years [3 x (4a+4b+4c)]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	
			a	b	c	

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

- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from \_\_\_\_\_ (date of expiry of Warranty) and will expire on \_\_\_\_\_ (date of expiry of CMC)
- c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 3 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, \_\_\_\_\_ & \_\_\_\_\_) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid till \_\_\_\_\_ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. \_\_\_\_\_ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

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

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

\_\_\_\_\_  
**(Signature, name and address  
of Hospital/Institute/Medical College's authorised official)  
For and on behalf of**\_\_\_\_\_

Received and accepted this contract

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

For and on behalf of \_\_\_\_\_

(Name and address of the supplier)

\_\_\_\_\_  
(Seal of the supplier)

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

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

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

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

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

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

No \_\_\_\_\_

Date \_\_\_\_\_

**To**

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

Subject: Certificate of commissioning of equipment/plant.

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

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

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

He has not supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

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

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

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

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

Signature

Name

Designation with stamp

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

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

**SECTION – XIX  
ANNEXURES**

**Annexure 1**

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

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

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

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

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

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

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

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

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

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

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

**(d) SHIPMENT FROM POLAND & CZECHOSLOVAKIA**

**(i) IMPORTS FROM POLAND**

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

**(ii) IMPORTS FROM CZECHOSLOVAKIA**

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

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

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

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

**(f) SHIPMENT FROM JAPAN**

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

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

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

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

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

**(h) SHIPMENT FROM PAKISTAN**

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

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

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

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

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

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

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

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

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



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

## 2. BILLS OF LADING

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

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

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

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

### (ii) F.O.R SHIPMENTS

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

**SHIPPER:** The F.O.R suppliers Concerned

**CONSIGNEE:** Supplier's Indian Agent on order

### Note:

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

## **SECTION – XX**

### **CHECKLIST**

Name of Tenderer:

Name of Manufacturer:

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

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

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
13.	Have you submitted the <b>certificate of incorporation</b> ?			
14.	Have you accepted the <b>warranty</b> as per TE document?			
15.	Have you <b>accepted terms and conditions</b> of TE document?			
16.	Have you furnished documents establishing your <b>eligibility &amp; qualification criteria</b> as per TE documents?			
17.	Have you furnished <b>Annual Report (Balance Sheet and Profit &amp; Loss Account) for last three years</b> prior to the date of Tender opening?			
18.	Have you submitted copy of bid document along with amendments/corrigendum, if any, along with techno-commercial bid:			

N.B.

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

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**(Signature with date)**

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

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**(Name, address and stamp of the tendering firm)**

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**Section – XXI**  
**Consignee**

<b>Medical Institutions</b>	<b>Contact Address.</b>
North Eastern Institute of Ayurveda & Homoeopathy (NEIAH), Shillong.	Director North Eastern Institute of Ayurveda & Homoeopathy (NEIAH) Mawdiangdiang, Shillong, Meghalaya -793018 (INDIA)

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