

# **GLOBAL e-TENDER ENQUIRY DOCUMENT**

FOR PURCHASE OF  
MEDICAL EQUIPMENT  
FOR  
SIX NEW AIIMS

On behalf of

**GOVT. OF INDIA**

**MINISTRY OF HEALTH & FAMILY WELFARE  
HLL/PCD/PMSSY/AIIMS-II/26/16-17**



**BY**

**HLL Lifecare Limited**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

**Procurement & Consultancy Services Division**

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## SECTION I

## NOTICE INVITING GLOBAL e-TENDERS (NIT)

from

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(A GOVERNMENT OF INDIA ENTERPRISE)

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FOR

GOVT OF INDIA

MINISTRY OF HEALTH &amp; FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/26/16-17

Dated 08.03.2017

## NOTICE INVITING e-TENDERS (NIT)

(1) Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Govt. of India, Ministry of Health & Family Welfare, invites sealed tenders, from eligible and qualified tenderers for supply of Medical Equipment to Six new AIIMS under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY):

Sch no	Event Number	Name of Item	Qty per AIIMS	Qty. for Six AIIMS	Department	EMD(Rs.)
1	3000001801	Portable Colour Doppler System	2	12	Cardiology	6,00,000
2	3000001802	External defibrillator	5	30	Cardiology	3,00,000
3	3000001803	12 Channel ECG Machine	2	12	Cardiology	24,000
4	3000001804	Single Plane Cath Lab	1	6	Cardiology	66,00,000
5	3000001805	4D Echocardiography system	1	6	Cardiology	9,60,000
6	3000001806	Syringe Infusion Pump	50	300	Cardiology	3,00,000
7	3000001807	BIPAP Machine	4	24	Pulmonary Medicine	64,320
8	3000001808	Fibre Optic Bronchoscope	1	6	Pulmonary Medicine	96,000
9	3000001810	Multipara Monitor	10	60	Pulmonary Medicine	3,00,000
10	3000001811	Pulmonary Function Test Machine	1	6	Pulmonary Medicine	51,600
11	3000001812	Polysomnography (PSG) system for sleep disorders study	1	6	Pulmonary Medicine	2,88,000
12	3000001813	Bronchovideoscope	1	6	Pulmonary Medicine	3,30,600
13	3000001814	Ultra Sonic Nebulizer	5	30	Pulmonary Medicine	60,000
14	3000001815	ABG Machine	1	6	Pulmonary Medicine	1,08,000

Sch no	Event Number	Name of Item	Qty per AIIMS	Qty. for Six AIIMS	Department	EMD(Rs.)
15	3000001816	ICU Ventilator	5	30	Pulmonary Medicine	5,10,000
16	3000001817	Advanced Electro Surgical Unit With Vessel Sealing	1	6	Urology	3,60,000
17	3000001818	PCNL Instruments (Nephroscope with forceps and accessories)	1	6	Urology	6,00,000
18	3000001819	Urodynamic Machine	1	6	Urology	4,80,000
19	3000001820	Extracorporeal Shockwave Lithotripter (ESWL)	1	6	Urology	72,00,000
20	3000001821	Holmium Lasers 100 Watts	1	6	Urology	9,60,000
21	3000001822	Laposcopic Unit	1	6	Urology	8,40,000
22	3000001823	Open Surgery Instruments	1	6	Urology	7,20,000
23	3000001824	Ultrasonic Cutting and Coagulation Device	2	12	Urology	3,60,000
24	3000001825	Bone Densitometer (Dexa Scanner)	1	6	Endocrinology	10,80,000

(2) **Tender No.: HLL/PCD/PMSSY/AIIMS-II/26/16-17**

Sl.	Description	Schedule
a	Cost of the Tender Enquiry Document	Rs. 5250/- ( Rs. Five Thousand Two Hundred Only)
b	Pre-bid meeting date , time& Venue	<b>22-Mar-2017</b> , 1100 hrs IST , HLL Lifecare Limited, , Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing in their letter head duly signed and scanned through email to <a href="mailto:pcd@hllhites.com">pcd@hllhites.com</a> and <a href="mailto:bmendoza@hllhites.com">bmendoza@hllhites.com</a> . The purchaser will respond to such request provided the same is received by the purchaser on or before the pre-bid meeting. Any queries/representations received after the pre-bid meeting shall not be taken into cognizance.		
c	Closing date & time for submission of online bids	<b>25-Apr-2017, 1800 hrs IST</b>
d	Closing date & time for submission of <b>tender fee and EMD in physical form</b>	<b>26-Apr-2017, 11 30 hrs (IST)</b> Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
e	Time and date of opening of online bids	<b>26-Apr-2017, 1400 hrs IST</b>
f	Venue for :- <ul style="list-style-type: none"> <li>• Submission of tender fee, EMD in physical form.</li> <li>• E-Tender Opening-Tech Bid</li> </ul>	HLL Lifecare Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

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

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

**IMPORTANT NOTE :-Tender fee (Rs.5,250/-) and EMD(As applicable) should be deposited in the Tender Box located at HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh on or before 26-Apr-2017, 1130 hrs (IST).Submission beyond stipulated date & time would result in REJECTION of BID.**

**SVP (GB)  
HLL Lifecare Limited**

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

### A. PREAMBLE

#### 1. Definitions and Abbreviations

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

#### 1.2. Definitions:

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

#### 1.3 Abbreviations:

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



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

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

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

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

- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
  
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – 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 in their letter head duly signed and scanned through email to [pcd@hllhites.com](mailto:pcd@hllhites.com) and [bmenoida@hllhites.com](mailto:bmenoida@hllhites.com). The purchaser will respond to such request provided the same is received by the purchaser **ON OR BEFORE THE PRE-BID MEETING**. Any queries/representations received after the pre-bid meeting shall not be taken into cognizance.

## C. PREPARATION OF e-TENDERS

### 11. Documents Comprising the e-Tender

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

### **DO NOT’S**

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

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

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

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

- i) Earnest money Deposit (EMD) furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- ii) Tender Form as per Section X (without indicating any prices).
- iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form. **While giving authorization to agent , to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.**
- v) Power of Attorney in favour of signatory of TE documents and signatory of Manufacturer's Authorisation Form.
- vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
- vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- viii) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
- ix) Certificate of Incorporation.
- x) Checklist as per Section XX.

**B) Price Bid:**

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

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

**Note:**

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

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

**12. Tender currencies**

- 12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees (INR).
- 12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Japanese Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only (INR), if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.
- 12.3 Tenders, where prices are quoted in **ANY OTHER 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 along with applicable discounts (if any). 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), Loading& Unloading etc. would be borne by the Supplier from ware house to the consignee site for a period including 03 months beyond date of delivery.
- d) The price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
  
- e) The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule.
- f) The 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) **Freight and insurance charges.**  
The price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List
- c) 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;
- d) The charges for Incidental Services, as in the 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.

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

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

#### 13.5.2 **Excise Duty:**

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

downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

### 13.5.3 **Sales Tax:**

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

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

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

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

### 13.5.5 **Customs Duty:**

The Purchaser will pay the Customs duty wherever applicable.

- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will not way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

## 14. **Indian Agent**

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

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

## **15. Firm Price**

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

## **16. Alternative Tenders**

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

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

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



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

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

**19. Earnest Money Deposit (EMD)**

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

rights of Purchaser if it fails to furnish the required performance security within the specified period.

- 19.8 In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.

## **20. Tender Validity**

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

## **21. Digital Signing of Tender**

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

### **D. SUBMISSION OF TENDERS**

## **22. Submission of Tenders**

- 22.1 The tender shall be submitted online only.
- (i) Pre-qualification and Technical compliance as per following documents (**ONLY Online submissions for all the documents.**)
- a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
  - b) Tender Form as per section X.
  - c) Compliance of all terms and conditions of TED like- warranty, delivery period, delivery terms, payment terms etc
  - d) Declaration regarding Fall Clause and Deregistration, debarment from any GovtDept/ Agencies
  - e) Copy of PAN.
  - f) Certificate of Incorporation/Declaration being a proprietary firm.

- g) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) in pdf format.
- h) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
- i) Quality Control Requirements as per Section VIII
- j) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
- k) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.

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

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

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

**23. Late Tender**

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

**24. Alteration and Withdrawal of Tender**

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

**E. TENDER OPENING**

**25. Opening of Tenders**

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

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

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

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

25.3 Two - Tender system as mentioned in Para 21.6 above will be as follows. The **Techno - Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as

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

## F. SCRUTINY AND EVALUATION OF TENDERS

### 26. Basic Principle

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

### 27. Scrutiny of Tenders

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

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

27.3 Deleted

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

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

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

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

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

**29 Discrepancies in Prices**

29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

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

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

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

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

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

**31. Qualification Criteria**

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

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

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

**33. Schedule-wise Evaluation**

33.1 In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender. However, as already mentioned in GIT sub clause 13.2, the tenderers have the option to quote for any one or more schedules and offer discounts for combined schedules. Such discounts wherever

applicable will be taken into account to determine the lowest evaluated cost for the purchaser in deciding the successful tenderer for each schedule, subject to tenderer(s) being responsive.

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

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

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

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

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

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

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

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

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

iii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and

Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being an MSE, failing which their tender will be liable to be ignored.

- iv. The Purchaser reserves the right to relax the Norms on Prior Experience for Startups and Micro & Small Enterprises in Public Procurement.

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

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

[http://www.finmin.nic.in/the\\_ministry/dept\\_expenditure/ppcell/RelaxNorms\\_StarupMedEnterprise25072016.pdf](http://www.finmin.nic.in/the_ministry/dept_expenditure/ppcell/RelaxNorms_StarupMedEnterprise25072016.pdf)

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

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

**Note:-** Definition of Startup (only for the purpose of Government schemes)

(Ref: Ministry of Finance Office Memorandum No. F.20/2/2014-PPD(Pt.) dated 25th July 2016.)

Startup means an entity, incorporated or registered in India not prior to five years, with annual turnover not exceeding INR 25 crore in any preceding financial year, working towards innovation, development, deployment or commercialization of new products, processes or services driven by technology or intellectual property.

Provided that such entity is not formed by splitting up, or reconstruction, of a business already in existence.

Provided also that an entity shall cease to be a Startup if its turnover for the previous financial years has exceeded INR 25 crore or it has completed 5 years from the date of incorporation/ registration.

Provided further that a Startup shall be eligible for tax benefits only after it has obtained certification from the Inter-Ministerial Board, setup for such purpose.

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

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

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

- 37.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

- 37.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

### **G. AWARD OF CONTRACT**

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

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

#### **39. Award Criteria**

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

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

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

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

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

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

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



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

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

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

**44. Return of E M D**

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

**45. Publication of Tender Result**

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

**46. Corrupt or Fraudulent Practices**

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

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

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

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

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

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

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

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	8
B	8 to 10	TE documents	No Change	10
C	11 to 21	Preparation of Tenders	Change	11
D	22 to 24	Submission of Tenders	Change	18
E	25	Tender Opening	No Change	19
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	20
G	38 to 45	Award of Contract	No Change	23

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.

**SUBMISSION OF e-TENDERS**

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

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

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## GENERAL CONDITIONS OF CONTRACT (GCC)

### 1. Application

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

### 2. Use of contract documents and information

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

### 3. Patent Rights

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

### 4. Country of Origin

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

### 5. Performance Security

- 5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 66 months from the date of Notification of Award
- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:

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

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

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

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

## **7. Packing and Marking**

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

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

- a. contract number and date
- b. brief description of goods including quantity
- c. packing list reference number
- d. country of origin of goods

- e. consignee's name and full address and
- f. supplier's name and address

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

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

"On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for."

- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the

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

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

## **9. Terms of Delivery**

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

## **10. Transportation of Goods**

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

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

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

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

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

## **11. Insurance:**

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

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

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

## **12. Spare parts**

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

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

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

## **13. Incidental services**

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

- i) Installation & commissioning, Supervision and Demonstration of the goods
- ii) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
- iii) Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
- iv) Supplying required number of operation & maintenance manual for the goods

## **14. DISTRIBUTION OF DISPATCH DOCUMENTS FOR CLEARANCE/RECEIPT OF GOODS**

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

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



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

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

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

**B) FOR GOODS IMPORTED FROM ABROAD**

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

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

**15. WARRANTY**

- 15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials, manufacturing or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 15.2 The **warranty** shall remain valid for the period as mentioned in the list of requirement/ General Technical specification, after the goods or any portion thereof as the case may be, have been delivered, installed and commissioned at the final destination.

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

## **16. ASSIGNMENT**

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

**17. SUB CONTRACTS**

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

**18. MODIFICATION OF CONTRACT**

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

**19. PRICES**

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

**20. TAXES AND DUTIES**

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

**21. TERMS AND MODE OF PAYMENT**

**21.1 Payment Terms**

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

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

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

**a) On delivery:**

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

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

**b) On Acceptance:**

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

**B) PAYMENT FOR IMPORTED GOODS:**

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

**a) On Shipment:**

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

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

- (ix) Inspection Certificate for the despatched equipment issued by recognized/ reputed agency like SGS, Lloyd, BEAURU VARITUS and TUV prior to despatch.

**b) On Acceptance:**

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

**c) Payment of Indigenous Goods :**

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

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

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

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

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

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

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

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for

an amount equivalent to 2.5 % of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

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

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

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

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

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

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

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

## **22. Delivery**

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
  - (ii) forfeiture of its performance security and
  - (iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:
- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.

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

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

#### 22.6 Passing of Property:

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

### 23. **LIQUIDATED DAMAGES**

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

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

### 24. **TERMINATION FOR DEFAULT**

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

to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.

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

**25. TERMINATION FOR INSOLVENCY**

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

**26. FORCE MAJEURE**

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

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

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

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

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

**27. TERMINATION FOR CONVENIENCE**

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

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

- a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or



- b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

**28. GOVERNING LANGUAGE**

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

**29. Notices**

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

**30. RESOLUTION OF DISPUTES**

- 30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by the Director General (Health Services). The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)
- 30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India.
- 30.4 Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., New Delhi, India

**31. APPLICABLE LAW**

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

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

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

It is an agreed term of the contract that the sum of money so withheld or retained under the lien referred to above, by the purchaser, will be kept withheld or retained till the claim arising about of or under the contract is determined by the Arbitrator or by the competent court as the

case may be ,and the supplier will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention.

**33. GENERAL/ MISCELLANEOUS CLAUSES**

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

**SECTION – V**

**SPECIAL CONDITIONS OF CONTRACT (SCC)**

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

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

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

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

**Part I**

Sch no	Event Number	Name of Item	Qty. for Six AIIMS	Department	Consignee	Warranty in years	CMC in years
1	3000001801	Portable Colour Doppler System	12	Cardiology	Six AIIMS (Bhopal, Bhubaneswar, Jodhpur, Raipur, Rishikesh, Patna)	5	5
2	3000001802	External defibrillator	30	Cardiology		5	5
3	3000001803	12 Channel ECG Machine	12	Cardiology		5	5
4	3000001804	Single Plane Cath Lab	6	Cardiology		5	5
5	3000001805	4D Echocardiography system	6	Cardiology		5	5
6	3000001806	Syringe Infusion Pump	300	Cardiology		5	5
7	3000001807	BIPAP Machine	24	Pulmonary Medicine		5	5
8	3000001808	Fibre Optic Bronchoscope	6	Pulmonary Medicine		5	5
9	3000001810	Multipara Monitor	60	Pulmonary Medicine		5	5
10	3000001811	Pulmonary Function Test Machine	6	Pulmonary Medicine		5	5
11	3000001812	Polysomnography (PSG) system for sleep disorders study	6	Pulmonary Medicine		5	5
12	3000001813	Bronchovideoscope	6	Pulmonary Medicine		5	5
13	3000001814	Ultra Sonic Nebulizer	30	Pulmonary Medicine		5	5
14	3000001815	ABG Machine	6	Pulmonary Medicine		5	5
15	3000001816	ICU Ventilator	30	Pulmonary Medicine		5	5
16	3000001817	Advanced Electro Surgical Unit With Vessel Sealing	6	Urology		5	5
17	3000001818	PCNL Instruments (Nephroscope with forceps and accessories)	6	Urology		5	5
18	3000001819	Urodynamic Machine	6	Urology		5	5
19	3000001820	Extracorporeal Shockwave Lithotripter (ESWL)	6	Urology		5	5
20	3000001821	Holmium Lasers 100 Watts	6	Urology		5	5
21	3000001822	Laposcopic Unit	6	Urology		5	5
22	3000001823	Open Surgery Instruments	6	Urology		5	5
23	3000001824	Ultrasonic Cutting and Coagulation Device	12	Urology		5	5
24	3000001825	Bone Densitometer (Dexa Scanner)	6	Endocrinology		5	5

**Part II: Required Delivery Schedule:**

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

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

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

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

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

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

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

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

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

**Part IV:**

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

**Part V:**

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

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

**Part VI:**

**Required Terms of Delivery and Destination.**

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

At Consignee Site(s)

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

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

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

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

**Destination/Consignee details are given in Section XXI**

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

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

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

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

## **TECHNICAL SPECIFICATIONS**

### **Schedule: 1**

#### **Portable Colour Doppler System**

##### Technical specifications

- The offered system be top of the line platform on a worldwide basis .
- It should be light weight easily portable machine ( less than 7 kgs ) with proper bag and storage facility
- A separate cart (of the same company ) should be provided for moving the portable machine
- System should have extremely high resolution 2D imaging, color flow imaging, M-mode,PW Doppler, CW Doppler , and Duplex modes .
- Should have advanced image processing algorithms to analyze between targets and artifacts so as to sharpen target anatomy and reduce speckle and artifacts for excellent image quality.
- Should have flat panel high resolution display monitor minimum 15 inch
- Should have a dynamic range of 160 DB minimum.
- Should have extended field of viewing of structures, by continuously scanning and moving the probe over the area of interest.
- Should have maximum color Doppler frame rate of 200Hz .Should have an on –board workstation for storage and review of all exams i.e. 2D Doppler, Loops etc
- Should have DICOM support to be able to connect to hospital network ,laser cameras etc
- Should have a large hard disk capacity to store patient data into the hard drive
- Should be able to transfer images and clips to CD and DVD media.
- The quoted echo machine should be compatible with use of Intracardiac catheter for ultrasound (ICE).
- Should be offered with the following transducers without need for frequency selection: - please quote the prices of probes separately also.
- 1, Adult echo transducer: transducer technology for adult probes should be clearly mentioned in technical bid.
- Pediatric echo transducer
- Transducer for abdominal ultrasound
- Vascular probe

#### **Guarantee & Warranty:**

- Comprehensive guarantee and warranty (labour and spares) of the system including essential accessories for 5 years. CMC should be conditional and include all accessories including battery and third party items.
- Comprehensive Guarantee for parts and labour from year 6 to 10 will also need to be quoted in the price separately and will be taken into account(added in the price bid) while calculating the Final price.

### **Schedule: 2**

#### **External defibrillator**

1. Portable, lightweight external defibrillator with ECG, SpO2, NIBP monitoring and external pacer with a touch screen color display showing  $\geq 4$  wave forms.
2. Should be able to perform noninvasive pacing from a rate of 40 bpm to 160 bpm in demand and fixed modes
3. Transcutaneous pacer should have programmable current pulse amplitude from 10 mA to at least 160mA .Rate accuracy should be  $\pm 1.5\%$  over entire pacing range.
4. Should be fitted with a 3 channel strip chart thermal printer.

5. Defibrillator should administer biphasic shocks (from 2 to at least 200 Joules), including ability to deliver synchronized shocks. AED facility is not needed
6. Charge time on full batteries to 200 J should be less than 7 seconds.
7. The device should be AC/12V DC powered with ability to run on internal battery and power battery should provide a minimum of 4 hours continuous monitoring and at least 25 full voltage shocks. Defibrillators working only on battery should not be quoted.
8. Should have ability to display record and print at least 3- channel ECG simultaneously.
9. Should have both adult and pediatric defibrillation paddles, preferably with a patient contact indicator.
10. Should have connection for attaching disposable patch electrodes from which pacing /defibrillation /ECG recording is possible vendor has to provide connecting cables for at least 3 commonly available patches available in the market if only vendor specific patches can be used then cost of 10 each (adult and pediatric) patches (total 20) should be included in the basic unit price that will be used for comparison of total price.
11. One set of additional ECG cable and other cables should be included in the price.
12. Prices of all breakable and non breakable items should be mentioned separately along with all accessories .The warranty should include the defibrillation paddles and battery for breakage and replacement.
13. Should have appropriate safety certification. European CE is mandatory, preferably, FDA approved.
14. Vendor has to provide the following accessories with each unit – no's are given in brackets : reusable NIBP cuffs ( all 4 sizes , from neonate to adult ,5 each ) Disposable NIBP cuffs for neonates (25),reusable SpO2 probes(adult ,pediatric ,infant and neonate-5 each), disposable SpO2 probes for neonates and infants (50), Disposable adult and pediatric defibrillation patches (10 each) as already mentioned in 10.
15. Vendor must provide either a good quality trolley or a high quality durable carrying case (preferably have removable modular pockets /pouches for carrying accessories) with defibrillator .This trolley will be used as a crash cart and therefore should have similar modular design .These should be as per original manufacturer.
16. Guarantee/ warranty: comprehensive guarantee for five years for parts and labor. All software updates up to a period of 5 years to be provided free .comprehensive guarantee (CMC) for parts and labour from year 6 to 10 will also need to be quoted in price separately and will be taken into account ( added in the price bid ) while calculating the final price . The warranty /CMC should include the defibrillation paddles for breakage and replacement and also the batteries.

**Optional**

17. Facility for internal /USB/SD card storage of 25 electrograms along with patient name, age etc, with capability to transfer these to the AIIMS HIS through Wi-Fi or Ethernet. details of AIIMS HIS can be obtained from the department .if a server is needed include cost of server and software's in total calculations, through listed as a separate entity (should include all the 5 Units)
18. Bedrail hook if available
19. CPR measurements and feedback .compression depth, rate, ventilation rate. Provide appropriate cables and sensors (reusable 2 each, disposable 10). Include cost of above in main bid but list this separately.

**Schedule: 3**

**Portable ECG Machine**

- 12 channel digital ECG machine with simultaneous acquisition of all leads and preferably an ICD display prior to printing.
- Printing should be on inbuilt thermal printer and also possible on A4 sized laser



- The unit should be light weight, it must be less than 5 Kg and portable, preferably be capable of storing at least 20 electrocardiograms and allow for rapid transfer of this data to a computer.
- Machine should run on AC current & also on rechargeable batteries independently and should be provided with a proper bag/Stand to carry the equipment and its ancillaries.
- The ECG machine should conform to AHA, ACC guidelines for medical equipment.
- The unit should have the capability for proper self check & calibration.
- One set of adult and pediatric clip type electrodes for limb leads and chest leads along with necessary cables should be provided.
- The output should have the name, date & time of ECG printed and have the option to print in multiple formats.
- Analysis software may be quoted as optional.
- The unit should preferably be capable of providing continuous single/three/six channel output in any combination in case of necessity of long rhythm strips.
- All spares should also be quoted separately i.e Battery, ECG clips, bulbs, ECG cables and batteries.

#### **Guarantee & Warranty:**

Comprehensive guarantee and warranty (labour and spares) of the system including essential accessories for 5 years. CMC should be conditional and include all accessories including battery and third party items.

Comprehensive Guarantee for parts and labour from year 6 to 10 will also need to be quoted in the price separately and will be taken into account(added in the price bid) while calculating the Final price.

#### **Schedule: 4**

##### **Single plane cardiovascular Catheterisation with digital subtraction angiography lab**

Latest state of the art single panel floor ceiling mounted flat detector technology cardiovascular angiography and digital imaging system for diagnostic and intervention cardiovascular procedures with digital subtraction angiography (DSA). The system should be US FDA approved. The lab must have the following specification.

##### **A. Multi Directional C ARM positioned**

1. The C arm/G arm should be latest design for clear free floor space with head to toe covering of patients without repositioning the patient. It should be ceiling or floor mounted.
2. The C arm/G arm should travel both side (right and left) of the patient for head to toe imaging without repositioning of the patient
3. The C or G arm movement control should be possible from any side of the table
4. The C or G arm rotation minimum 15 degrees/second in RAO/LAO and 15 degree/second in cranio/caudal
5. Angulations LAO/RAO= at least 100/100 degrees Cranio/caudal 45 degrees or more
6. Patient collision prevention and protection is necessary. The system should have an in built collision protection
7. Arm design should allow sufficient space around the table during resuscitation and defibrillation
8. The C/G arm should be able to go to angulations automatically depending upon reference image

##### **B. Patient Table**

1. Table shall be floor mounted with carbon fiber table top.
2. Should have table rotation facility from base
3. Maximum patient weight 150kgs or higher with additional weight for at least 50kgs during resuscitation
4. The table should have floating longitudinal and horizontal movement and motorized vertical movement
5. Accessories for the table should include head fixing aids, mattress, four radiolucent carbon fiber arm supports, drip stand, peripheral filter set and catheterization Arm support

##### **C. X Ray Generator**

1. Generator should be latest technology with high frequency type with at least 100kW output at maximum factor
2. High frequency power unit that provides pulsed fluoroscopy capability should have automatic exposure control device for radiographic fluoroscopy and Angio mode.
3. Should have an overloading protection.

**D. X ray tube**

1. Should be with a minimum of two focal spots small and large the small focal spot should not be more than 0.6mm with power of at least 30kw large focal spot should not be more than 1mm with power of at least 80kw
2. Anode heat storage capacity at least 2.4 MHU or more
3. Cooling system high oil/water cooling to ensure continuous operation
4. Anode heat cooling rate should be 3000W/min or more
5. Automatic/programmable spectral filtration mechanism for eliminating soft radiation without any need for manual filter insertion in both fluor and cine mode
6. X ray tube with noise less operation with high anode heat storage capacity to support long interventional procedures without interruption

**E. Dynamic flat detector system**

1. Flat detector of current generation for cardiovascular application with excellent spatial and contrast resolution (20 x 20cm) with pixel size smaller than 200Um
2. Smaller pixel size of FD is preferred for smallest detail visualization
3. Should have acquisition and display in at least 1024 x 1024
4. Any other additional feature/ design/ technology towards image quality improvement will be given preference.
5. A minimum of 12 bit acquisition with at least 3 level acquisition with at least 3 level of zoom.
6. The DQE of detector should be > 70%
7. The system should have capability to acquire the images @ minimum 30 fps for pediatric application: adult cardiology 12.5-25: peripheral angio range (25 to 30fps)

**F. Digital Image system**

1. Digital cardiac imaging for acquisition storage and retrieval in high matrix of 1024 x 1024 or more acquisition/ display and storage of image application to give excellent resolution
2. Gray scale depth of at least 8 bit pixel should be possible at all frame speed
3. Image storage capacity of 1,00,000 image at 1024 x 1024 matrix at a minimum of 8 bits/pixel on main system hard disk
4. Medical grade large high definition display (approx. 56 inches).
5. Monitor should have high refresh rate / flicker free viewing of images
6. In control room there should be data entry monitor live monitor and one DICOM based work station capable of all review, post processing and quantification of coronary and ventricular function in the control room. It should be possible to perform simultaneous off line post processing in control room. It should be possible to write DICOM image CD/DVD on this.
7. Cath lab should be supplied with state of art complete coronary ventricular and vascular on line & off line both quantifications software programs which are clinically validated.
8. Auto calibration should be possible
9. All recall of stored images in fast slow still modes to select images at table side itself
10. Cine loop replay facility & last image hold facility during fluoroscope
11. Integrated intercom facility between control room and Examination room
12. On line acquisition & display of DSA images in 1024 x 1024 matrix with DSA post processing from table side in exam room and control room
13. Should have facility for stent enhancement operable from table side and control room

### **G. Archival System**

1. Direct digital archival on compact disk (CD /DVD-recordable) in latest DICOM format preferably in loss less compression
2. Ability to view CD and post process with clinically validated quantification software
3. Ability to export DICOM vascular images onto CD/other image recording medium
4. Two additional fully loaded PC based CD review station with DVD combo devices of latest specification with printers.
5. The system should be fully DICOM ready and fully compliant for connection to PACS system of any make including currently available PACS system for the cath lab.
6. Ability to convert the DICOM loops to BMP/JPEG and AVI format to CDR.
7. The system should supply with DICOM CD recorder for storing DSA runs photo images and it should be possible to review in other PC.

### **H. Cross sectional imaging**

1. Cross sectional 3 D images using 3 D reconstruction algorithms for 3D reconstruction of chambers and vessels of heart from projection images of a rotational angiography.
2. The system should have ECG triggered and untriggered 3D acquisition and processing capability.

### **I. C T imaging**

1. Machine should have capability to acquire CT images of heart chambers and vessel using an angiographic system.

Essential accessories:

2. Ceiling suspended operation lamp
3. Lead glass (120x 100cm)
4. Radiation shield ceiling and table mounted/suspended
5. High power contrast injector (floor/ceiling mounted)
6. Protective lead apron of high quality with hangers: 20 It should be state of art light weight with a lead equivalent of 0.5mm
7. Thyroid guards 10 in number with lead equivalent of 0.5mm
8. Lead spectacles 10 in numbers
9. On line UPS for completed cath lab with back up of at least 30 minutes
10. Should meet all national and international safety standard and comply with BARC and AERB guidelines
11. Defibrillator with external pacer FDA approved: 2
12. Act machine: 1

### **J. Installation**

1. Installation to be done on turn key basis lab and attached patient waiting area needs to be renovated with high quality false ceiling floor and wall tiles up to roof level high quality adequate modular storage racks and necessary furniture like table chair also need to be provide
2. Cath lab also need to be provided with total 20 ton AC with voltage stabilizer.

### **Guarantee & Warranty**

Comprehensive guarantee and warranty Labor and spares of the system including essential accessories and air conditioner for 5 year CMC should be unconditional and including all accessories including x-ray tube physiological recorder injector syringe and other third party items Comprehensive guarantee for parts and labor from year 6 to 10 will also need to be quoted in the price separately and will be taken into account added in the price bid while calculating the final price.

### **Turnkey site preparation**

1. Comprehensive turnkey site preparation and detailed lay out plan suitable to the existing site and ambient condition at the center to be submitted by all the agencies before offering their price bid.
2. Power air conditioning and space requirement have already been provided by the institute for coordinated planning and execution of the work.

3. Turnkey would include dismantling and disposal of redundant fixtures and execution of all necessary civil electrical and air conditioning work at site.
4. Site preparation should be time bound and completed before shipment of equipment and time to installation of the machine no more than 4 weeks (total time 90 days).

Essential site preparation requirement include the following.

**Civil work**

1. Dismantling / Brick works
2. Dismantling of wall floor if any
3. Dismantle all electrical furniture fitting
4. Disposal of all debris from the site
5. Door/window work P/F aluminum or wooden door with frame lead lining as per the AERB requirement. Sensor based automatic door opening to avoid cross infection by hand or fomites in all the working areas.
6. Wall/ceiling repair work- repairing the cement/plaster. Leakage site to be identified first and fixed permanently with proper water proofing.
7. Redesigning the site for housing the system, control electronics etc. (The control panels be preferably housed in a low height aluminum partition enclosure)
8. The fixtures should be from branded company and best. Optimally all fixtures should be wall mounted.
9. Floor, wall, roof and false ceiling should be aesthetically designed and prepared for use for the life of the equipment and easily maintainable.
10. Flooring work: providing and fixing highest quality vitrified tiles.
11. False ceiling: providing and fixing perforated AI ceiling.
12. Construction of walls as per AERB requirements.
13. Lead partition of approx. 180x90 cm between control room side window to have lead glass approx. 115x80 cm the sliding door to have lead glass approx. 125x80 (two in number) and 70x80 cm (two in number).

**Examination room and console room**

1. Wall paneling - glass wall paneling on the wall from 5' height above floor till ceiling height. Ceramic tiles/ high quality marble on wall upto 5' height from the floor up to the glass panel. Tile should be at least 2x2 or more in dimension and highest quality (grade 5)
2. Redesigning the site for the controls, monitors, electronic etc.
3. Walls to be covered with highest quality tiles in its entire heights. Flooring work provide and fix highest quality vitrified tiles vitrified tiles (at least 2x2 or better, grade 5) / high quality marble.
4. Appropriate designing of the examination room to provide for the safe operation and parking of the C arm, TV stand, patient trolley, instrument trolley (modular design high quality) and anesthesia work station, patient monitoring, system infusion pumps syringe pumps to be done .
5. Modular design walls cabinets (highest quality) for safe keeping and storage of drugs, catheter, interventional items, manuals procedures sets, linen, trays etc under lock and key. Specify the material, brand and area to be covered.
6. Wall mounted hangars for suspended lead free aprons, film viewer (N 2, flat panel design) for display of images and bill board for memos should be provided.
7. Instrument trolleys, height adjustable operation chair, patient foot step, ergonomically designed chairs with wheels for control room personnel wall counters for medications, consumables, anesthesia equipment and emergencies drug to be provided.
8. The whole area should be water proof for safe and designed to prevent post and rodents and kept functional all the time. Wall mounted clocks and room thermometers (wet and dry), pest repellent devices and fire extinguishers to be provided in all the rooms. The area should be properly designed to keep particularly the operating area and the electronic cabinet dust free and leakage free. As far as possible the floor should be free from encumbrances or ease of cleaning
9. Drainage for water from account condensate should be provided and the whole area should be free of flooding. Special care should be taken to reinforce the roof joints and al potential point of water leakage

during monsoon or accidental water logging on the roof. Full facility for piped medical grade gas and vacuum supply to multiple points in the angio suit should be provided. This facility should conform to existing fire/ explosion safety standard

#### **Electrical and air conditioning work**

1. Appropriate UPS with 30 min battery backup for the entire system including all accessories using maintenance free day batteries should be provided with 95 % up time warranty
2. All electrical panels switches, distribution boards, cables should be of the highest quality for safe and trouble free operation.
3. Adequate number of voltmeters, ammeters and frequency meter as well as circuit breakers, fire extinguishers, alarm system and low battery indicator to be provided.
4. Proper grounding to be provided.
5. All points of entry and exit of cable ducted to the site should be sealed to prevent entry and site of cable ducts etc. to the site should be sealed to prevent entry of pests and rodents.
6. All entry and exit points of the examination room should have lead lined doors and X rays on light with radiation area ( ) symbol.
7. All cable channel and conduits to be properly covered and sealed to protect from rodents and can be easy to access for maintenance.
8. Air conditioning blowers, diffusers should be located appropriately and be provided with effective regulators to control the environment in the examination room to meet the requirements of the patient including infants and neonates

#### **Furniture**

1. Work station table (high quality or modular)
2. Executive chair- 4, (height adjustable high quality or better)
3. Table top storage 15'x 2' 6"x2' preferable of metal modular design and highest quality for the examination room
4. Storage cabinet (modular design) in nurse's room examination room and console room if possible.
5. Redesigning the area in front of the lab for usage as changing room or housing the sterilizer equipment

#### **Schedule: 5**

##### **High End Echocardiography system**

1. The system must be latest generation, highest end & technologically advanced Digital 4D (Live 3D) Echocardiography system. Any other model other than the highest end and latest version is liable for rejection.
2. System must be offered with a minimum of 500000 digital processed channels. Original technical data sheet should be enclosed in technical bid to support the number of channels on the systems. If not mentioned, Please attach a letter from manufacturer along with the technical bid clearly stating the digital processed channels of the offered system.
3. System must have adult cardiology transducer with either single crystal technology or pure wave technology or matrix for excellent greyscale image quality on difficult to image patients. Please mention the technology used in the transducer. Original technical data sheet should be enclosed in technical bid to support the crystal technology.
4. System must be offered with a minimum 19 inch high resolution flat panel medical grade display monitor with infinite position adjustments. Company should provide wider monitor if available.
5. System should have at-least four Imaging universal active probe ports with electronic switching facility from key board without probe adapter.

6. System should be capable of supporting second generation 4D(Live 3D) matrix transducer capable of supporting a minimum of 2000 elements for exceptional 4D (live 3D) Echo,4D(Live 3D) zoom, triggered full volume and triggered 3D colour volume with electro cautery suppression.
7. System should support board band probes spanning a frequency of 1-15 MHz.
8. Image storage facility on in build hard disc or MOD/CD/DVD-RW facility should be available. In built hard disk with capacity of 5TB. System should have extensive image management capability including thumb nail review, Cine loop editing etc.
9. System must be offered with speckle reduction Imaging: Image processing technique to remove speckles and clutter artifacts.
10. System should have 4D (Live 3D) Echocardiography capability with color flow Imaging
11. System should be capable of scanning depth of 30cm.Scanning Depth should be clearly mentioned in the technical quoted If not mentioned Please attach a letter from manufacturer along with the technical bid clearly stating the scanning depth of 30 cm in the offered system.
12. Should be able to perform advanced quantification measurements like strain & Strain rate quantification. Should measure the myocardial velocity and derives the strain rate and strain along user-defined M-lines, Capable of drawing up to 3 M-lines at a time, Capable of sub-dividing each M-line into 8 sub-regions or according to user-defined sub-region sizes, Point of interest tool obtains values from any point on the M-mode display. In addition to the tissue Doppler based strain system should have 2D based strain like VVI, AFT and TMQ should be offered. These should be offered both on the system and on a licensed workstation. OFF-CART workstation (both licensed hardware and licensed software) should be quoted and highlighted in the technical bid.
13. 2D speckle tracking.
14. System must be offered with user friendly high resolution user interface touch panel of minimum size of 10.5 inch or intuitive keyboard. User friendliness will be given preference.
15. Should be able to perform MPR views for quantification from 3D Imaging on volume measurements like LV volumes, Ejection fraction from 3D Image, etc. Also should offer synchronicity indicates to measure and compare timing of maximum contraction of LV volumes to determine those patients who will best benefit from CRT system. Should display global LV volume and should provide simultaneous display of 17 regional volume waveform. This should be offered both on the system and on a licensed work station (both licensed hardware and licensed software) should be offered and highlighted in the technical bid.
16. The system should have the facility of displaying the three planes of the 3D data set.
17. Contrast Harmonic Imaging should be offered as standard on the system, with optimization for LOW and HI MI applications. Should also have facility of LOW MI with triggered replenishment Imaging.
18. Integrated stress Echo facility to perform Stress Echo exams.
19. Should have the state of the art Transmit real time compound Imaging Technology with Multiple transmitted lines of sight, wherein multiple coplanar Images from different viewing angles are obtained and combined into a single compound Image at real-time frame rates for improved visualisation. Should demonstrate and show multiple transmitted line of sight in linear probes.

#### **SYSTEM MUST BE THE FOLLOWING TRANSDUCERS**

1. 4D (Live 3D) Echo matrix transducer for adult 4D (Live 3D) with frequency ranging from 1-5±1 MHz. This probe must support a minimum of 2000 elements for exceptional 4D (Live 3D) image quality on the matrix array transducer to simultaneous display of two real-time live high-quality image planes. This transducer should have either single crystal technology or pure wave technology for excellent Image quality on difficult to image patient. Please mention the crystal technology used in the transducer. Systems offered with normal transducers for adult echo are liable for rejection.
2. 1-5±1 MHz Broadband adult echo transducer for adult cardiology imaging. Must have Tissue harmonic Imaging, must have either single crystal technology or pure wave or matrix technology for excellent Image

quality on difficult to image patients. Must attach original technical data sheet of transducer to specify the above technology used in the transducer. This adult probe must be of the smallest foot print.

3. 3-8 MHz Broadband pediatric echo transducer for pediatric and small adult cardiology imaging.
4. 5-12 MHz broadband pediatric echo transducer for neonatal and large pediatric cardiology imaging.
5. 4D (3D) Echo matrix TEE transducer for Adult 4D (3D) with frequency ranging from 2-7 MHz.

Please quote prices of all probes separately also.

**System should be supplied with the 2KVA online UPS**

**Guarantee & warranty:**

**Guarantee:** Comprehensive Guarantee for five years for parts and labour. All software updates a period of 5 to be provided free of cost. CMC should be unconditional and include all accessories including third party items.

Comprehensive Guarantee for parts and labour from year 6 to 10 will also need to be quoted in the price separately and will be taken into account(added in the price bid) while calculating the Final price.

**Schedule: 6**

**Syringe Infusion Pump**

1. Microprocessor controlled light weight syringe infusion pump with capability for working on AC power and internal rechargeable battery lasting over 4 hours at flow rates of at least 5ml/hr. with full charge. Battery should be easily rechargeable/replaceable and should have provision for running on 12 V DC supply like ambulances. Battery level indicator to show battery charge.
2. Should be capable of using 10ml, 20ml and 50ml syringes of more than 5 commonly available commercial syringes. Self-recognition of syringe size.
3. Delivery rate should be from 0.1 ml/hr. to 999 ml/hr. in 0.1 ml/hr. steps and can be put on standby mode.
4. Selectable purge rates for different syringes like, 1200ml/h in 50 ml, 400ml/h for 20ml and 300ml/h for 10ml. Purge rates should be definable and purge volumes may be administrable automatically or manually.
5. High occlusion pressures in multiple settings should be able to deliver in arterial lines. Occlusion monitor and display of occlusion pressures at more than one level with ability to change the detection pressure.
6. Pump operation should be microprocessor controlled with accuracy of  $<\pm 3\%$  (mechanical, syringe etc.). Pump should have internal accuracy checks frequently.
7. Keep vein open function should be available.
8. Special function should be available to set the near empty alarm to specific time (3 to 30 minutes in 3 minute stops) before the syringe completely empties.
9. Alarms for occlusion, near empty, low battery, syringe disengaged, plunger/clutch disengaged, AC/DC disconnection etc., Infusion completion alarm, (Keep open rate function) meaning even after completion flow goes on (desirable to be adjustable).
10. User-friendly operation knob is desirable. In case this is not present vendor should indicate how the pump can be started immediately in an emergency situation and the dosage regulations done quickly.
11. Should have computer interface and HL 7 compliant
12. Device should be certified as class I and have protection against splashing liquid. Should be capable of avoiding accidental power off. Should give alarm if there is air anywhere in the circuit.
13. Light weight ( $<2$  Kg with or without battery), portable and capability for pole mounting. Should be possible to stack one in top of each other up to 4 syringes in one pump holder. Quote for angle adjustable pole camp and for 4 pump holders separately.
14. Key lock function by the operator to prevent unexpected operation by touching switch or mishandling.
15. Capable of storing up to 500 infusion setting, start/stop alarm event and other data records.

16. Syringe barrel detection function to identify cases in which the syringe flange is not correctly loaded into the slit with a buzzer and an alarm.
17. Comprehensive guarantee for five years for part and labour. Comprehensive Guarantee for parts and labour from year 6 to 10 will also need to be quoted in the price separately and will be taken into account(added in the price bid) while calculating the final price all cables, Battery etc. have to be provided by the vendor during the warranty period.

**Schedule: 7**

**BIPAP Machine**

- Should have modes C.P.A.P./Spontaneous /Auto
- Should have fixed backup rate of 10 breaths/minutes
- I.P.A.P. Pressure range 2 to 25 cm H<sub>2</sub>O in increment of 0.2 CMS H<sub>2</sub>O.
- E.P.A.P. Pressure range 2 to 25 cm H<sub>2</sub>O in increment of 0.2 CMS H<sub>2</sub>O
- Should be able to detect leak, display tidal volume, respiratory rate, and pressure .
- Should be able to set rise time
- Should provide 2 reusable masks (one face and one nasal) with the machine.
- Should have a facility of automatic on/ off on the machine.
- Should be quoted with comprehensive warranty , as per AIIMS rules ( including all spares , batteries , circuit and accessories ) and another five year of maintenance warranty
- Prices of all spares and accessories valid from 6- 10 years should be quoted along with their warranty and period
- Additional accessories (prices should be included with each machine along with the machine ):
  - a) Full face mask :05
  - b) Nasal mask: 03
  - c) Extra set of connecting tubing

**Schedule: 8**

**Fibre Optic Bronchoscope**

- Field of view should be 120 degree or more
- Depth of field should be 3-50 mm or better
- Distal end diameter should be 6 mm or less
- Insertion tube diameter should be 6 mm or less
- Channel diameter should be 2.8mm or more
- Should be light weight and easy to use
- Working length should be 600 mm or more
- Total length should be 890 mm or more
- Up and Down angulations should be 180 degree and 130 degree or better
- Should have telescopic eye piece
- Can be fully immersed and disinfectant solution and water
- Should have facility to check leakage by automatic pressure regulated leak tester
- Should have autoclavable suction valve to avoid cross contamination risk
- Should be compatible with 150 watt Halogen light source
- Should be accompanied by all standard accessories including at least 20 pieces of suction valves and cleaning channel rubber cap each
- Should be covered by warranty as per AIIMS rules
- Prices of all accessories as mentioned before should be included with the quoted price



- Rate list of all possible spares, accessories and consumables should be valid for 5 years and provided as part of financial bid by the company
- In case of any break down fault repair should be undertaken within 48 hours of receipt of such Information. Failure to do shall be liable a penalty of Rs.1000/- per day by the company

**Schedule: 9**

**Multipara monitor**

Should measure following parameters

1. ECG using 3 & 5 leads (both option)
2. Non Invasive blood pressure (adult)
3. Oxygen saturation (adult). There should be minimal motion artifact. It should be to determine oxygen saturation in low perfusion states.
4. Respiratory rate
5. Body temperature (skin)
6. Facility to upgrade to end tidal CO<sub>2</sub>(price to be quoted separately for the whole function unit as optional)
7. Should have facility for storing and displaying the above parameters for minimum 48 hrs both tabular & graphic display
8. Should have minimum of 10 TFT screen high resolution color screen display
9. It should have different colour or different parameters, which should be clearly visible from a distance of 10 feet
10. User interface should be user friendly
11. Should have Audio and visual alarms or different parameters
12. The alarm should continue till manually off
13. The alarm limit should be easily adjustable
14. Audio alarm should be continuous or else interval between any two beeps sound should not be more than 5 second
15. Should have in built battery back up facility for at least 2 hrs
16. The power on-off switch be on side panel (Not at the back)
17. Data stored in the memory should not get deleted with interruption of power supply
18. The cardiac monitor should have in built facility for printing reports.
19. US FDA /CE (European) Approved
20. Firm should quote the price of unit which is inclusive of all accessories i.e including those listed below
21. Item to be supplied with each machine
22. ECG cable & lead (reusable) 10 nos
23. Cables for saturation probes 10 nos
24. Adult finger saturation probe reusable 10 nos
25. NIBP cuffs reusable 5 each of standard adult and extra large
26. Skin temperature probes reusable 1 no
27. Paper roll for printer 10 nos
28. The firm will provide good quality wall mounting bracket with swivel mechanism.
29. The firm will be responsible for fixing this to mount the equipment in consultation with user department. The firm should provide drawing/catalogue of the bracket and provide sample for demonstration beforehand. The firm will give undertaking in the technical bid itself to provide & install this mount within the quoted price
30. The firm should clearly indicate in the technical bid itself that the price of all standard accessories as well as the other items and accessories specifically mentioned in the above specification are included in the quoted price.
31. The firm will give rate list of all possible spares accessories & consumables of any for 5 years separately as part of financial bid
32. If firm does not provide such list as part of financial bid separately then the bid of the firm will be reject summarily

33. Whenever there is breakdown the firm will carry out the repair within 48 hrs. of receipt of such information.
34. If there is a delay beyond 48 hours then the firm will be penalized at the rate of 1% of the cost product per day
35. Warranty: as per AIIMS rules

**Schedule: 10**

**Pulmonary Function Test Machine**

**1. Required technical features:**

1. Ability to measure all lung enzymes and (PVC, SVC, MVV)
2. Direct measurement of FRC, Muti breath nitrogen wash out method, Helium dilution technique.
3. Closing volume determination (by single breath nitrogen wash out method)
4. Reversibility testing with pre and post broncho dilator comparison
5. Bronchial challenge testing (PC..)

**2. Single breath method**

Anyone of the following techniques for sick patients who can not perform adequate breath, hold intra breath, steady state technique

Maximal inspiratory pressure (MiP) and maximum expiratory pressure (MEP)

**3. Respiratory drive P**

Airway resistance and conductance raw (Insp, Esp, TOT) sRaw Gaw, sGaw

**4. VO, VCO measurement**

**5. Fully automatic calibration and test procedures;**

Flow meter- Bi-directional digital turbine (flow: up to 10L/s or more, accuracy: within 3%) or Pneumotach (flow: up to 14L/s or more; accuracy: within 3%)

Gas Analyzer- O<sub>2</sub> (upto 100% accuracy within 1%, CO accuracy (upto 0.1% or more), accuracy within 0.5%, Helium upto 10% or more (Accuracy within 0.5%), CH<sub>4</sub> (upto 0.2 or more with accuracy within 0.5%)

Electronic Barometer: upto 800mmHg, temperature (upto 45 deg C or above) and humidity sensor (upto 100%) for automatic BTPS correction.

**6. Technical Specifications:**

Fully automatic calibration and test procedures

Flow meter- Bi-directional digital turbine (flow: up to 14L/s or more, accuracy: within 3%) or Pneumotach (flow: up to 10L/s or more; accuracy: within 3%)

Gas Analyzer- O<sub>2</sub> (upto 100% accuracy within 1%, CO accuracy (upto 0.1% or more), accuracy within 0.5%, Helium upto 10% or more (Accuracy within 0.5%), CH<sub>4</sub> (upto 0.2 or more with accuracy within 0.5%)

Electronic Barometer: upto 800mmHg, temperature (upto 45 deg C or above) and humidity sensor (upto 100%) for automatic BTPS correction.

**7. Computer Specifrication:**

Dual core processor with atleast 4 GB RAM

Hard disc drive (HDD) with at least 500 GB space

Windows OS

Colour monitor

Key board and mouse

Colour laser printer

UPS (1KVA)

**8. Accessories:**

O<sub>2</sub> cylinders – 02 nos

Gas mixture cylinder (CO,Helium,O<sub>2</sub>,N<sub>2</sub>) – 2 nos

Regulators for gas cylinders (6 nos)

Calibration syringe

Pulmonary filters (1500 nos)

Disposable mouth pieces – 500 nos

Nose clips – 200 nos  
Voltage stabilizer (at least 1 KVA) – 1 no  
Mobile cart- 1 no

## 9. Upgradability

Option for upgradability to include features like;

- i. Body plethysmography
- ii. Cardiopulmonary exercise testing (CPET)
- iii. Forced oscillation technique (FOT)

### Schedule: 11

#### **Polysomnography (PSG) system for sleep disorders study**

Polysomnography (PSG) system (2.nos) that records and displays the physiological parameters with at least 48 channels.

The PSG system should have following channels along with each PSG system:-

EEG	Chin EMG	Left and right leg EMG
ECG	Shoring	Respiratory effort
EOG	Actimeter	Body position
Nasal/Oral airflow	CPAP Pressure	Pulse rate
SaO2	Pulse Transit Time (PTT)	

- Should have additional eight DC channels for external peripherals.
- Should have both pressure and thermistor based flow.
- Should have RIP (respiratory inductance plethysmography) belts for thoracic and abdominal efforts.
- Should have integrated pulse oximeter for SaO2 monitoring.
- Should have on screen impedance check and self calibration.
- Apnea hypopnea index (AHI) and respiratory disturbance index (RDI) should be available during acquisition of data.
- Should have adjustable gains and filters.
- Should have facility of online scoring of the events during recording.
- Should have LAN (local area network) interface for data communication to the computer.
- Should have user definable montages.
- Should have automatic sleep staging with manual override, respiratory analysis/periodic limb movements (PLMs), restless leg syndrome neurological events analysis.
- Should be supplied with fully synchronized digital video.
- Should have sleep staging options for both adults and children.
- System should scoring option for sleep and other parameters as per AASM 2007(American Academy of sleep Medicine) guidelines.
- Should be provided preferably with a composite integrated universal titration device having capability of titrating OSA, overlap syndrome(OSA + COPD),OHS(Obesity hypo-ventilation syndrome) and CSR (Cheyne-strokes respiration)patients.
- Manufacturer should have a local office with complete technical support and application backup.
- Installation list of at least 20 Indian site is required with satisfactory certificate from at least two users.
- System should have five years CMC Guarantee/Warrantee with AMC for next five years.
- Facility for spilt night reporting should be available.
- The company must provide upgradable software till next five years free of cost
- Authorization certificate from principal must be submitted.
- Adequate quantity of spares such as electrodes, leads, oxygen saturation probes, EEG jelly, and snoring cannula should be supplied with the system.

**Computer should have following specification:-**

- Intel core 2 duo processor
- 4 GB RAM,22" TFT monitor.
- 2x500 GB HDD, DVD R/W, mouse
- HP laser jet colour printer
- 1 KVA UPS
- One laptop computer.

**Schedule: 12**

**Bronchovideoscope**

- It should have a high image quality with crisp, clear image and true-to life colour.
- Should have facility for pressure regulator leakage testing through inbuilt pump of light source.
- Scope should have at least four user programmable remote switches to improve operability.
- Should have facility for enhanced image visibility through Narrow band Imaging/i-scan facility.
- Should be compatible with laser and Electrocutery (cutting and coagulation).
- It should be compatible with light source and processor of semirigid thoracoscope so that both can be used with same light source and processor.
- Should have scope ID function.

Should be covered by warranty as per AIIMS rules

Accompanied by all essential accessories, including:

- Suction valves: At least 20 pieces
- Cup biopsy forceps-04
- Tran bronchial aspiration needle No.21-04 no.
- Electro coagulation and electrocautery probe and snare-one each
- Channel cleaning port cover with attached suction nozzle: 20 pieces.

Technical:-

Field of view	: 120 deg or more
Direction of view	: 0 degree, forward viewing
Depth of field	: 3 to 100 min or better
Distal end outer diameter	: 6.0 mm or less
Innsertion tube outer diameter	: 6.0mm or less
Tip bending length	: Up 180 deg, Dn 130 deg.Or better
Working length	: 600 mm or more.
Channel inner diameter	: 3.0 mm or more
Minimum visible distance	: 3mm or closer from distal end

Prices of all accessories as mentioned before should be included within the quoted price

Rate list of all possible spares, accessories and consumables should be provided as part of financial bid by the company.

- In case of any breakdown, fault, repair should be undertaken with 48 hours of receipt of such information. Failure to do so shall be liable to make the company blacklisted for future purchases.

### **Schedule: 13**

#### **Ultra Sonic Nebulizer**

Should have following features

- Heavy duty
- Frequency 2.5 MHZ
- Mass median aerodynamic diameter should be between 1  $\mu$ M to 5  $\mu$ M
- Droplet size 60% between 1 and 5  $\mu$ M
- Nebulizer performance 0.5 -1 ml/minute with control dose
- Continuous running

### **Schedule: 14**

#### **Blood Gas Analyser (ABG Machine)**

- 1 Fully automatic, upgradeable, fast electrolyte & Blood gas analyzer.
- 2 Essential Measured parameters; pH, pCO<sub>2</sub>, pO<sub>2</sub>, SaO<sub>2</sub> with co-oximetry, tHb, Hemocrit Lactates,  
Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>++</sup>, BUN, Cl<sup>-</sup>. All these parameters should be measured simultaneously.
- 3 Calculated parameters should include BE, BE ecf, HCO<sub>3</sub>, Anion Gap etc.
- 4 Sample volume-less than 100 micro litre.
- 5 Fast analysis time – less than 60 sec.
- 6 Maintenance free electrodes with individual electrodes ON/OFF facility.
- 7 Fully automatic liquid calibration of all parameters at user-defined intervals without the use of Gas  
calibrated reagents, external gases, tanks or regulators.
- 8 Continuous reagent level monitoring with graphic display.
- 9 Data display on well-illuminated, adequate size screen display.
- 10 Data print out on built in graphic printer.
- 11 Built in auto Quality control facility.
- 12 Suitable UPS with at least 30 min backup.
- 13 Reagents for one year@ at least 20 samples/day should be provided along with the machine.
- 14 Cost of reagents to be quoted for comparative evaluation.
- 15 Stand by blood gas cum electrolyte analyzer in case of breakdown.
- 16 Should have local service facility
- 17 Guarantee to supply spares for minimum 10 years
- 18 It must be UF-FDA /CE (Conformité Européenne) approved.
- 19 Must submit User list and Performance report
- 20 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the  
page/para number of original catalogue/data sheet

### **Schedule: 15**

#### **Ventilator**

Should be microprocessor based ventilator for use in adults. It should have in built turbine system. It should have color in built touch screen at least 10 inch or more with screen lock and prioritized alarms. Breath to breath graphics pressure, volume and flow loops to be stored in the memory with feasibility of trend analysis over 24 hours.

Should have the following modes of ventilation

- A. Controlled ventilation
  - Volume control (VC) Volume controlled ventilation
  - Pressure Control (PC) pressure controlled ventilation
- B. Supported ventilation
  - PS/CPAP (pressure supported ventilation/continuous positive airway pressure ventilation)
- C. Combined ventilation
  - SIMV (PC) + PS (synchronized intermitted mandatory ventilation based on volume controlled ventilation with pressure support)
  - SIMV (PC) + PS
  - PRVC (pressure regulated volume control)
  - SIMV (PRVC) + PS
  - NIV ventilation with mask
  - Should have the facility for following settings

Tidal volume	50-2000ml
Respiratory rate	upto 100bpm
Flow pattern	Square deceleration
Inspiratory time	10% to a maximum of 80% (ie)
Inspiratory plateau	0 to 60% of inspiratory time
SIMV rate	1 to 40 bpm
Peep	0 to 40 cmH <sub>2</sub> O
Pressure support	upto 40cm H <sub>2</sub> O
Inspiratory Pressure	minimum of 60 cmH <sub>2</sub> O
FiO <sub>2</sub>	21% to 100%
Trigger	Flow / Pressure Trigger

Should be able to monitor and measure following parameters

Respiratory rate total & spontaneous; peak airway pressure mean airway pressure, peep, plateau: tidal volume inspiratory and expiratory : minute volume: Fio<sub>2</sub>:RR/VT,ETCO<sub>2</sub> monitoring (optional)

- Should have in-built air oxygen blender
- Should have facility for backup ventilation when apnea alarm is violated
- Should have panel selectable parameters
- Should have heated humidifier
- Every ventilator should have in-built turbine system
- Automatic calibration facility should be available
- Should have in-built rechargeable battery with backup of at least 2 hours
- Should have programmable in-built nebulizer
- Should have following audio-visual alarms
  - Airway pressure
  - High continuous pressure
  - Fio<sub>2</sub>
  - Expired minute volume
  - Apnea
  - End expiratory pressure
  - Respiratory rate
  - Gas failure
  - Battery

### Monitor

At least 10" size color single device user interface with touch TFT screen. It should be possible to display at least three types of waveform & Loop of each breath.

- a. Access through touch screen & main rotary dial

- b. Direct access to vital setting PEEP,O2 concentration respiratory rate & volume (or pressure)
- c. 24 hours trend display of up to 24 parameter
- d. Scroll/Zoom function
- e. Screen should display following waveform
  - i. Flow time
  - ii. Pressure time
  - iii. Volume time

F screen should display following loops:

- i. Volume – pressure
- ii. pressure – Volume

Should be manufactured by reputed firm with services facilities in Delhi

Two silicon circuits should be supplied with machine

Should be able to demonstrate the equipment as and when required

Should be quoted with five year comprehensive warranty (inclusive of all spares, batteries Sensors) and other five year of compressive maintenance warranty

**Scope of supply per ventilator:**

- 1 Reusable patient tubing (adult) – 2 nos
- 2 Heated humidifier - 1no
- 3 Trolley - 1no
- 4 Armset - 1no
- 5 Nebulizer - 50 nos
- 6 Bacteriological Filter - 50 nos

**Schedule: 16**

**ADVANCED ELECTRO SURGICAL UNIT WITH VESSEL SEALING**

**Specifications**

- 1. The system should have Monopolar Cut & Coagulation, Bipolar and Vessel Sealing technology all integrated in one system.
- 2. The System should have user friendly 3 independent LCD touch screen (of at least 5.7 inches diagonally) display for monopolar, bipolar and Vessel sealing technology, with auto LCD Backlight adjustment for good visibility in operating room.
- 3. The equipment should have Microcontroller based device incorporating closed loop control Coagulation for all output modes in the microcontroller firm wire.
- 4. The equipment should incorporate tissue sensing technology at least 3333 decisions per second on real time basis and it should have the technology to convert electrical energy to radiofrequency energy thus providing radiofrequency seal. It should also identify the tissue impedance and adjust power accordingly to get the desired surgical effect on various tissue types.
- 5. Vessel Fusion system should be able to seal artery, veins along with tissue bundle up to 7mm in diameter, sealed vessels should be able to withstand at least 3 times the systolic blood pressure.
- 6. The Performance Efficiency Rating (PER) should be between 95-99 in different modes.
- 7. Low Frequency Leakage should be between 50-60 Hz.
- 8. High frequency leakage (RF) should be less than 100mA in monopolar and vessel sealing mode and less than 60mA in bipolar mode.
- 9. The system should have RS232, USB, Ethernet port or any other computer connectivity for on field software downloads upgrades and serviceability.
- 10. The system should have recall facility to recall the last setting used by user before turning off the power.
- 11. The system should be upgradeable or should have bipolar resection (under water cutting).
- 12. The system should be compatible with Argon, CUSA & Da Vinci robotic systems.
- 13. Should have both foot and hand control mode for open as well as laparoscopy.

14. It should be supplied with the original mounting cart manufactured by the same manufacturer of the system
15. Should be supplied with following accessories:
  - a. Disposable 10mm & 5mm Lap. Vessel Sealing & Dividing Instrument - 10 each
  - b. Reusable open surgery vascular sealer - 02 with their Disposable electrodes - 50 No's
  - c. Disposable open surgery vascular sealing instrument - 10 No's
  - d. Three Button Pencil with power control at sterile zone - 100 No's
16. Patient plate - 200 no's

#### **Monopolar and Bipolar**

1. The system with separate monopolar mode that gives optimum cutting and coagulation will be preferred
2. The system should have twin monopolar socket with independent power setting but only one can be activated at a time. The system should also have one universal adaptor socket for footswitch operation and one bipolar socket.
3. Monopolar outputs should have minimum two cutting modes: -
  - a. Pure cut for clean, precise cut in general surgery having maximum power of 300-350W
  - b. Blend mode for cutting with homeostasis having maximum power of 200 W.
4. It should have minimum two Coagulation modes with maximum power of 120 W
  - a. Fulgurate mode for efficient non-contact coagulation in most applications '
  - b. Spray mode should have effect of varying amplitude and frequency for coagulating large tissue areas with minimum depth of necrosis.
5. It should have minimum 3 bipolar modes with maximum power of 95W
6. Standard, Low & Macro
7. The Equipment should have On Screen review of error codes and diagnostics.
8. The Equipment should have the following Alert Tones :-  
 Patient Pad monitoring Error Alert  
 Reactivate/Regrasp Tissue Error Alert  
 Instrument Checking Alert  
 Complete or Incomplete Seal Alert  
 Malfunctioning or System Error Alert
9. It should have patient plate contact quality monitoring system, should give audiovisual alarm And deactivate output if contact between patient and patient plate is not proper to eliminate The risk of patient burns
10. The System should have Auto Bipolar start and stops where users can set the Auto start
11. Delay time and Auto Stop impedances range. User Time delay in intervals of 0.5seconds from 0 to 2.5seconds. Activation impedance 20-1000 Ohms.

#### **Vessel Sealer:**

1. Vessel sealing system should be of minimum 150-200W with bar control power setting facility
2. Vessel sealing system should have the user control mechanism so that the surgeon can decide for a repeat seal before actually cutting it or even not cutting it. (No Auto-Cut)
3. The system should be able to Seal vessels or tissue bundles faster than any conventional devices (preferably within 2-4 seconds).
4. All Laparoscopic instruments should have facility for both 5 mm and 10 mm and should have a blade for instant cutting.
5. The system should have following vessel sealing instruments:
  - a. Maryland Jaw Vessel Sealer 5mm 37cm for lap surgery - 6 units
  - b. Maryland Jaw Vessel Sealer 5mm 23cm for open surgery - 6 units
  - c. Double action Jaw Vessel Sealer 5mm 37 cm for lap surgery - 6 units
  - d. Curved Jaw (16.5mm seal) scissor type open surgery instrument with separate control for seal and cut - 6 units

#### **Certification:**

1. The Equipment Should be USFDA and European CE approved.
2. System should meet IEC60601-1, IEC60601-1-2 & IEC 60601-2-2 requirements
3. Physical demonstration of the quoted model is mandatory.



4. The comprehensive warranty will be 5 years (including all spares and labor) from the date of satisfactory installation of equipment. Also quote rates for comprehensive CMC (including all spares and labor) for 6th to 10th year, after expiry of warranty period. Cost of spares accessories and consumables should also be quoted separately.
5. 95% uptime of the machine. Facility for good after sale & service with trained engineers posted at site. In case the down time exceeds 5% in a calendar year, the comprehensive warranty will be extended beyond 5 years for double the number of days for which the unit is non functioning. Similar clause will apply each year of CMC.

**Schedule: 17**

**PCNL Instruments (Nephroscope with forceps and accessories)**

Technical Specification:-

**Nephroscope with forceps and accessories 27 fr-1No.**

1. Wide-Angle straight forward viewing telescope 0 to 12 deg, with parallel eyepiece, autoclavable , with instrument channel and fiber optic light transmission incorporated.
2. Scope should have large field of view.
3. Scope should have large working channel 12 Fr or more.
4. Operating sheath 27Fr having swivel irrigation connector with automatic locking mechanism compatible with above telescope
5. Working length of 220-250mm.
6. Should be supplied with
  - a. Hollow obturator to be use with rotatable sheath-1
  - b. Adaptor to be required to connect outer sheath of resectoscope to connect ellick evacuator or Tommey syringe-1.
  - c. Grasping forceps for stone fragment and coagula, fenestrated jaws, length 38cm-2
  - d. Grasping Forceps for large stone fragments and coagula, alligator jaws and spring handle, length 34-38 cm-2
  - e. Grasping forceps for large stone fragments, 3 expanding jaws and small fixation spikes, length 34-38 cm -2
  - f. Angled tip stone grasping forceps, length 34-38 cm-2
  - g. Sealing membranes, sealing cap-10
  - h. All accessories supplied should be compatible with the supplied nephroscope and as a preference should be from the same company.
7. Must have US FDA and CE certificate.

**Nephroscope with forceps and accessories 24fr-Two**

1. Wide-Angle straight forward viewing telescope 0 to 12 deg , with parallel eyepiece, autoclavable, with instrument channel and fiber optic light transmission incorporated.
2. Scope should have large field of view, angle of view 20-30 deg
3. Scope should have large working channel 10Fr or more.
4. Operating sheath 24Fr having swivel irrigation connector with automatic locking mechanism compatible with above telescope.
5. Working length of 220-250mm
6. Should be supplied with
  - a. Hollow obturator to be used with rotatable sheath for facilitating cystoscopy-1
  - b. Adaptor to be required to connect outer sheath of resectoscope to connect ellick evacuator or Tommey syringe-1
  - c. Grasping forceps for stone fragments and coagula, fenestrated jaws, length 38cm-2

- d. Grasping forceps for large stone fragments and coagula, alligator jaws and spring handle, Length 34-38cm-2
  - e. Grasping forceps for large stone fragments, 3 expanding jaws and small fixation spikes, length 34-38 cm -2
  - f. Angled tip stone grasping forceps, Length 34-38cm-2
  - g. Sealing membranes, sealing cap-10
  - h. Cleaning brush-2
  - i. Light guide adaptors so that the nephroscope can be connected to any existing branded light source of the hospital-1
  - j. All accessories supplied should be compatible with the supplied nephroscope and as a preference should be from the same company.
7. Must have US FDA and CE certificate.

**Nephroscope with forceps and accessories 12fr- 01 No.**

1. Nephroscope should have a size of not more than 12 Fr.
2. Nephroscope should have an automatic pressure control system so that stones once broken up to size of 4mm should come out automatically when used with pressure irrigation.
3. Working channel should accommodate instruments upto 5 Fr.
4. The angle of view should be 12 degree or more.
5. It should have an offset eye piece.
6. Scope should be supplied with non-fitting sheaths which should work as amplatz sheath as well.
  - a. Each sheath should have a one step dilator.
  - b. Sheaths should have an option in length.
  - c. 3 Sheaths along with one step dilators should be supplied of the following specification 15/16f, 16.5/17.5 ,21/22f
7. 16.5/17.5 and 21/22 french sheath, dilators should have a central channel for guide wire and along with a distal curved channel for placing a safety guide wire along with a central main guide wire.
8. It should be supplied with
  - a. 5 Fr grasping forceps double action jaws-2
  - b. 5 Fr biopsy forceps double action jaws-1
  - c. 5 Fr scissor single action jaws should be supplied-1
  - d. An applicator consisting of sheath and rod so as to use with haemostatic agents like floseal and surgiflow-1
9. Must have US FDA and CE Certificate.

**Alken dilator set**

The alken serial metal dilator set should include

1. Alken double barrel needle.
2. 2 rigid and 2 flrxible guide rods
3. Telescoping coaxial metal Dilators, entire set form 9Fr to 30 Fr.
4. Must have US FDA and CE Certificate.

**Schedule: 18**

**URODYNAMIC MACHINE**

1. The unit should be able to perform CMG, Pressure Row, EMG, Video Urodynamics with X-ray Transparent Chair, Uroflowmetry, 2nd Urolow Wireless, Ambulatory Urodynamics (2 pressure and Wireless EMG) and Biofeedback.
2. Equipment should have 8 pressures: Pves, Pabd, Pura, p4 (for arm), P5 (for arm), P6

(for arm), P7 (for arm).

3. P8 for non-invasive monitoring for diagnosis of erectile dysfunction.
4. Should display atleast 16 display channel.
5. Software for multiple Calibrations and multiple connections: up to 3 wireless devices could be controlled at the same time.
6. Transducer should be reusable with automatic zero facility, pressure range of (-40-350cm) of H<sub>2</sub>O).
7. Should be supplied with one wireless weight based Uroflow Transducer with flow range of 0-50 ml/sec.
8. Volume range upto 100ml. Must have auto record and auto zero facility for uroflowmeter.
9. Should have the facility to. add 2 EMG.
10. Should be supplied with biofeedback and stimulation for pelvic floor training. The animation and games for pelvic floor training.
11. Should have infusion volume upto 1000ml & software based calibration control and should have weight base infusion transducer.
12. Ambulatory unit should be supplied with Air charged catheters, 2 Pressures, Wireless EMG. The ambulatory unit should also work online with Urodynamics.
13. Should have USFDA approved.
14. Should be supplied with integrated travel cart to fit the complete UDS along with DC.
15. Should be supplied with atleast PC Windows SP Pro (Core 2 Duo, 2.8 Ghz, 2 GB RAM, DVD-RW with Laser Jet Printer. System should also have the facility of USB port.
16. Provision for recording live videos during the procedure of urodynamic study.
17. Should be supplied 19 inch flat touch screen monitor for display. Monitor should have facility of RGB output so that it can be projected on screen in conferences.
18. Should have Bluetooth data transfer facility for CMG, Pressure flow and other Urodynamic studies.
19. Should have ICS nomogram, Siroky, Purr, Schaffter Nomograms and Paediatric Nomograms inbuilt in the software.
20. Should have inbuilt pump for infusion with filling rate of 1 ml/min - 100 ml/min with software controlled pump calibration with filling volume of 0-1500 ml.
21. Should be supplied with following :-
22. 2 Lumen Catheter 8 Fr. - 50 pcs
23. Rectal Catheter 10 fr. - 50 pcs.
24. 3 Lumen Catheter 7 Fr. - 50 pcs.

25. Pump Tube - 100 pcs.
26. Surface electrodes for EMG - 100 sets
27. Air charged catheter, abdominal 7 fr. - 50 pcs.
28. Air charged catheter, single sensor 7 fr. - 50 pcs.
29. Pressure transducers - 3 pcs.
30. Connection tubings - 100 pcs.
31. Needle electrodes for EMG - 10 pcs.
32. Should be supplied ultrasound probe for Anorectal findings.
33. Should be compatible for Hospital Information system
34. Physical demonstration of the quoted model is essential, failure to demonstration of quoted model will lead to disqualification of the firm.
35. The comprehensive warranty will be 5 years (including all spares and labor) from the date of satisfactory installation of equipment. Also quote rates for comprehensive CMC (including all spares and labor) for 6th to 10th year, after expiry of warranty period. Cost of spares, accessories and consumables should also be quoted separately.
36. 95% uptime of the machine. Facility for good after sale & service with trained engineers posted at site. In case the down time exceeds 5 in a calendar year, the comprehensive warranty will be extended beyond 5 year for double the number of days for which the unit is non functioning. Similar clause will apply each year of CMC.

**Schedule: 19**

**Extracorporeal Shockwave Lithotripter (ESWL)**

Integrated Extracorporeal Shock Wave Lithotripter (ESWL) for treatment of urinary stones in adult and children. The system should provide anaesthesia-free treatment and should have integrated X-ray and ultrasound localization facilities. The system should be integrated and stationary. The system should comprise the following:

1. Shock wave system
2. Stone localization system
3. Treatment table & accessories
4. Patient monitor
5. Fully automated control panel on bedside and at a remote location behind a lead screen

**1. Shock Wave System**

1. Latest generation Electromagnetic Shock Wave Emitter Technology
2. Membrane based dry coupling

3. Shock Wave Head should have motorized movements to ensure easy targeting without the need to change patient's position or rotating the table for left or right side stones.
4. Depth of penetration should be 165mm or more.
5. Adjustable frequency of shock-waves:
  - a. Minimum 60 per min or lower
  - b. Maximum of 120 per min or higher
6. ECG gated triggering should be possible
7. Shock wave energy ( $E_{12}$  at 12mm):
  - a. Minimum of 30mJ or lower
  - b. Maximum of 100 mJ or higher
8. Shock wave head should have facility for at least 12 variable energy levels in 12 or more steps for facilitating low energy treatments for paediatric patients and high energy treatments for hard stones
9. Largest dimension of the focus should be 8 cm or higher
10. Movements of treatment table, X-ray system and the shockwave head should be motorized to ensure easy and accurate stone targeting. All functions should be controllable with remote control touch button keypad. One set of controls must be available at the patient side and one remote set (with all functions) is to be located away from the main machine behind a lead screen, at least 3 meters away from the patient.

## **2. Stone Localization system: Integrated, isocentric fluoroscopy and ultrasonography:**

### **A: C-Arm fluoroscopy and imaging system**

1. The C-arm, shock-head and patient table must be integrated. There must be no need to routinely check alignment between these systems by the end-user.
2. The equipment must have C-arm based auto-positioning capability for accurate stone localization after marking of stone location on the fluoroscopy image in two planes.
3. High frequency microprocessor controlled generator for fluoroscopy.
4. Provision for continuous, pulse and single pulse fluoroscopy.
5. Rotating/fixed anode X-ray tube.
6. Minimum 40KW X-ray capability to allow all endourological interventions.
7. Image intensifier should be of 12 inch or greater diameter.
8. All movements of C-arm fluoroscope should be motorized and isocentric.
9. Two LCD-TFT at least 17 inches, flat screen medical grade monitors for image display.
10. Image storage: 2000 or more in addition to last image hold.
11. Simultaneous imaging with X-Ray and Ultrasound system should be possible.

12. Compatible with HIS 7 interface / DICOM 3.0 ready with print, save and modality work list for connecting to PACS.
  13. Patient data management software enabling entering of patient data, storage and retrieval with print-out of treatment details and image of stone location.
- B; Ultrasound localization system**

1. Localization should be done through an articulating arm ultrasound or in-line ultrasound, iso-centric to the shock wave source for best image quality.
2. 3.5/4 MHz transducer on articulated support arm for easy movements and positioning,
3. Minimum of 12 inch display monitor
4. Color Doppler imaging should be available
5. Simultaneous real time localization and treatment monitoring with X-ray
6. High resolution Black and white Thermal printer with 20 Rolls to be supplied

### **3. Treatment Table & Accessories**

1. Ergonomically designed patient table usable for both for ESWL and endourological procedures by allowing full patient access.
2. Table should have fully motorized movements
3. Table should be of standard dimension and support patient weighing up to 200 Kg or more.
4. Standard extensions/accessories (manufactured by the principal table manufacturer and not locally sourced) for comfortable supine and lithotomy positioning of adult and children including at least:
  1. Arm supports: 2 Nos.
  2. Gel pads: 4 Nos.
  3. Hydraulic leg stirrups with ankle support: 2 Nos.
  4. Head extension: 1 Nos.
  5. Foot extension: 1 Nos.
5. Lead aprons (minimum 0.5mm thickness lead, light weight with wrap around flaps and neck collars ( 06 Nos.) of approved quality should be provided.

### **4. Patient monitor:**

1. Latest generation multi-parameter patient monitor with ECG, Pulse, NIBP, Pulse oximeter and temperature

### **5. Remote control panel:**

1. All functions should be controllable with remote control touch button keypad. One set of controls must be available at the patient side and one remote set (with all functions) is to be located away from the main machine behind a lead screen, at least 3 meters away from the patient. The remote control centre must have all monitors that provide C-arm image and lithotripsy parameters.

### **6. Patient Information Management System:**

1. Patient data management software enabling entering of patient data, storage and

retrieval with print-out of treatment details and image of stone location

2. User defined templates for diagnosis and therapy, indication of calculi on image for easy documentation, patient history record and acquisition of therapy data, data analysis and statistics
3. Live X-Ray Image Acquisition/Processing with last image Hold, window and level control. Horizontal reverse, vertical reverse, Grey level invert
4. System Backup: CD-R or DVD-R or USB
5. Patient data / image archive: CD-R or DVD-R or -RW or USB

**7. Terms & Conditions:**

1. Suitable indigenous UPS with 30 minutes battery back up for complete load of the ESWL machine as per actual requirement.
2. The system should be upgradable and all spare parts should be available for next 10 years after commissioning
3. The whole equipment quoted must conform to US-FDA standards for human use with necessary certificate enclosed. C-Arm fluoroscopy must conform to international safety standards against radiation hazards. All equipment must be manufactured by the same company or else each component must meet the US-FDA standards.
4. Original catalogue and detailed scientific literature of the quoted model to be enclosed. List of users of the quoted model in India to be mentioned.
5. On site training to departmental staff for optimum usage.
6. The bidder must inspect the site of installation before bidding and ensure the installation of new machine in the existing facility. If any addition all civil/electrical work is required for the functioning of the machine, the bidder must arrange to complete it on his own. It is the bidder's responsibility to ensure that the machine is installed and fully functional to its maximum capacity.
7. A minimum of 95 uptime guarantee must be provided.

**Schedule: 20**

**HOLMIUM LASERS 100 WATTS**

1. It should be able to Enucleate, Vaporize and Resect circulated adenoma tissue in BPH treatment of any size.
2. It should be able to fragment calculi of any size in the bladder, ureter or kidney and any impacted stone fragment.
3. It should be able to ablate superficial bladder tumors, urethral & ureteral tumors.
4. It should be able to treat invasive bladder carcinoma & condylomas and lesions of the external genitalia.
5. It should have power output of at least 100 watts.
6. It should have four Laser Generators.
7. It should have repetition rate of 5-50 Hz.
8. It should have Energy per Pulse of 0.2 – 3.5 Joules with 0.1 J increments.
9. It should have pulse duration upto 500 microseconds.
10. It should have Red aiming beam of 2.5 mw at 650 nm, 3 intensity settings.
11. It should have a Touch Screen Colour Display and should rotate 360 Degrees.
12. It should have a closed loop, self contained water to air exchanger cooling system.

13. It should be useable with single phase 230V AC 50/60 Hz, 30 Amp's Power Supply.

**It should be supplied with following accessories:**

- |  |   |
|--|---|
| 1. 550 Micron Reusable, Flexible Fiber     | 5 |
| 2. 365 Micron Reusable, Flexible Fiber     | 5 |
| 3. 200 micron Reusable, Flexible Fiber     | 5 |
| 4. 550 Micron Side Fire Fiber for Ablation | 5 |
| 5. 550 Micron Stripping and cleaving (set) | 2 |
| 6. 365 Micron Stripping and cleaving (set) | 2 |
| 7. 200 Micron Stripping and cleaving (set) | 2 |
| 8. Fiber Inspection Scope                  | 1 |
| 9. Ceramic Scissors                        | 1 |
| 10. Laser Safety Goggles                   | 2 |
| 11. Laser Safety Glasses                   | 3 |

**It should have Tissue Morcellator:**

The Tissue Morcellator should provide rapid endoscopic removal of soft tissue.

**Tissue Morcellator should include:**

1. One control box,
2. Two hand piece,
3. Five blade sets:
  - a. Outer Blade – Outer Dia 0.47 cm/length 39.5cm)
  - b. Inner Blade – Outer Dia 0.39cm / Length 51.25 cm
4. Two pieces of sterile tubing
5. One sterilization tray
6. One package each of 3 long cleaning brushes, 3 short cleaning brushes, and 3 endoscopic adaptors.
7. Laser Resectoscope set:
  - a. 4 mm 30° Telescope – 01
  - b. Cystoscope sheath 22 Fr. – 01
  - c. Outer Sheath and Inner Sheath 26 Fr. – 01
  - d. Laser Bridge – 02
  - e. Laser Working element – 01
  - f. Visual Obturator – 01
  - g. Ellick Evacuator – 01
  - h. Fiber optic cable – 01
8. Morcelloscope – 01
9. The comprehensive warranty will be 5 years (including all spares and labour) from the date of satisfactory installation of equipment. Also quote rates for comprehensive CMC (including all spares and labor) for 6<sup>th</sup> to 10<sup>th</sup> year, after expiry of warranty period. Cost of spares, accessories and consumables should also be quoted separately.
10. 95% uptime of the machine. Facility for good after sale & service with trained engineers posted at each site. In case the down time exceeds 5% in a calendar year, the comprehensive warranty will be extended beyond 5 years for double the number of days for which the unit is non functioning. Similar clause will apply each year of CMC.
11. The complete installation including accessories and requirement is the responsibility of the supplying firm. The equipment should be fully functional and compatible with the existing electrical equipments and other equipments in the main operation theatre of AIIMS.



**Schedule: 21**

**2D HD Endovision System for Lap. And Endo. With Accessories**

**1. Full High Definition 2-D, Digital Camera and Camera Control unit (01)**

1. 3-chip, full HD camera head with pure digital signal with high definition video of 1920x1080p native resolution and progressive scan technology both on camera head and console
2. The system should have digital and/or optical zoom to enhance the quality of image size & cross speciality standardization of the camera system, regardless of the telescope used.
3. Digital zoom, white balance control and two peripheral controls on camera head
4. Integrated gain/shutter/enhancement with automatic brightness control
5. Automatic identification and brightening of dark image areas without lag time, without increasing foreground glare. Automatic intensification of color contrast levels
6. Video Outputs: DVI, S-Video, Component, Composite
7. The system should automatically optimize all settings. Plug and play with auto-detection of input source
8. The system should be menu driven, thus allowing the surgeon to program the camera head functions as per the surgical needs & requirement
9. Image system: 1/3" progressive scan CMOS technology
10. Pixels: 1920 x 1080p pixels per chip or higher
11. AGC: microprocessor controlled
12. Power supply: 100-240 VAC, 50/60 HZ
13. Capability of connecting digital flexible ureteroscope of the same manufacturer.

**2. High Resolution Monitor: (01)**

1. Full High Definition Color Monitor 26" Flat Panel, medical grade
2. PAL system compatible
3. Composite, S-Video, Component, and DVI inputs

**3. Light Source: (01)**

1. Red, Green & Blue LED based cold light source
2. Color temperature should be around 6400K
3. LED life of 25000 hours or more
4. Intuitive simple user interface with LCD touch screen with stand-by mode
5. Universal socket to accept Fiber Optic Cable of any make.
6. Light intensity adjustment continuously adjustable from 0 to 100% manually
7. Should be supplied with four (04) fiber optic cables of length 150cm or greater each with capability for indocyanin green fluorescence evaluation and adaptors for connection to Karl Storz, Richard Wolf and Olympus type scopes.

**4. Carbon dioxide Insufflator: (01)**

1. Microprocessor controlled & Software driven for upgradeability
2. Gas flow: minimum flow rate of 1 L/minute or lower; maximum flow rate of 30L/min or higher
3. LCD display for set and current: pressure, flow rate, gas consumption
4. Should have visual and audible alarms
5. Constant measurement of intra-abdominal gas pressure, internal venting system for safety
6. Integrated Gas heating
7. 2 sets of gas heating adaptor and autoclavable tubings for connection to ports with essential adaptors
8. 2 sets of tubings (1 meter or longer) and connectors for gas cylinder and central gas supply with wrenches/ devices essential to make the connections

**5. HD Video recorder (01)**

1. Capability of receiving signals and recording video from HD endoscopic cameras, digital x-ray units and ultrasound machines.
2. Record in HD at 1080p
3. Ability to transfer captured still and video images to external media using USB and DVD recorder

4. Video recording file format should be MP4 and AVC-HD
5. Camera Head Triggering Control from existing HD Camera buttons
6. Internal recording hard drive should be 500GB or more
7. Video input and output should be HDMI, DVI, S-Video, BNC
8. Capability for simultaneous recording on external device through USB interface on front panel
9. Capability for simultaneous recording on DVD on front panel
10. Video recording of 180 hours or more in HD settings on internal hard drive
11. Video recording of 300 hours or more in SD settings on internal hard drive
12. Individual single videos of 24 hours or more
13. Front panels should display recording status
14. Device should be registered as safe for medical grade

**6. Video cart and monitor arm: (01)**

1. Must be of the same manufacturer as the main equipment
2. Mobile Universal Video Trolley including 4 shelves, 3 of which are fully height adjustable and one drawer (lockable)
3. The quoted 26" panel flat monitor must be mounted on a mobile monitor arm for adjustment of position of the monitor with 2 articulations on the arm
4. Integrated cable ducts, 4 Anti-static Smooth-Running Double Casters, 2 of which can be locked
5. Basic Electrics to connect upto 12 Electrical Units
6. Mains Voltage, 230 V, with Main Switch, Isolating Transformer
7. All cabling must be internal and concealed

**7. Essential accessories (Of same manufacturer as main equipment)**

1. 10mm diameter, 30-32cm length, 0 degrees laparoscope, autoclavable with fiber-optic light transmission with indocyanin green and autofluorescence detection capability (01)
2. 10mm diameter, 30-32cm length, 30 degrees laparoscope, autoclavable with fiber-optic light transmission with indocyanin green and autofluorescence detection capability (01)
3. 5 mm diameter, 28-30cm length, 0 degrees laparoscope, autoclavable with fiber-optic light transmission (01)
4. 5 mm diameter, 28-30cm length, 30 degrees laparoscope, autoclavable with fiber-optic light transmission (01)
5. Right angled dissector with smooth curve: laparoscopic 10mm, 34-36cm, insulated metal handle and sheath, gun-style handle, rotatable, without ratchet, reusable (02)
6. Right angled dissector with smooth curve: laparoscopic 5mm, 30-32cm, insulated metal handle and sheath, gun-style handle, monopolar cautery attachment, rotatable, without ratchet, reusable (02)
7. Robust, serrated grasping forceps: laparoscopic 5mm, 34-38cm, insulated metal handle and sheath, gun-style handle, rotatable, with lock (hemostat type), reusable (02)
8. Croce type dissectors: laparoscopic 5mm, 30-32cm, insulated metal handle and sheath, gun-style handle, monopolar cautery attachment, rotatable, without ratchet, reusable (02)
9. Maryland/Kelly type dissectors with short curved jaws: laparoscopic 5mm, 30-32cm, insulated metal handle and sheath, gun-style handle, monopolar cautery attachment, rotatable, without ratchet, reusable (02)
10. Fenestrated grasping forceps with fine atraumatic serrations: laparoscopic 5mm, 30-32cm, insulated metal handle and sheath, gun-style handle, monopolar cautery attachment, rotatable, without ratchet, reusable (02)
11. All essential cables, adaptors and connectors must be supplied to ensure full usability of the equipment with rigid endoscopes of Karl Storz, Richard Wolf and Olympus as available in the Urology OT and with digital flexible scopes of the same manufacturer as the supplied equipment.

**8. General**

1. All equipment supplied must be the latest models of the quoted versions.
2. The vendor must ensure that all items/accessories necessary to obtain the full benefit and functionality of all equipments in the Urology OT are provided
3. Complete installation of the equipment has to be done by the vendor.

4. Five years comprehensive onsite warranty. This will be followed by 5 years CMC to be quoted separately, year wise.
5. Product must be US-FDA certified.
6. 98% up time guarantee is mandatory. In case down time exceeds 5%, penalty in the form of extended warrantee, double the number of days for which the equipment goes out of service, will be applied.
7. Supplier must ensure availability of expertise service and maintenance at site of installation. Uninterrupted availability of spare parts and repair for next ten years must be assured.
8. In price bid, cost of locally supplied items must be quoted separately in Indian currency.
9. Please respond to each specification in the same format and order as mentioned in the tender document and specify/indicate the verification document from the product data sheet against each column. Any variation from the tender specification must be clearly mentioned.
10. Original product data sheets, complete manuals and other necessary documents should be provided. Photocopies of these documents or printouts of the email/web pages will not be accepted.
11. When required, information other than those in the data sheets should be provided as a separate document from the principals only and should refer to the specific sections being addressed. When standard vendor data sheet disagrees with the bid response (offer/compliance statement), clarification should accompany in the form of certificate from the principals only. In absence of this, the vendor data sheet will prevail for the purpose of evaluation and decision of the technical committee shall be final and bidding on the supplier.

**Schedule: 22**

**Open Surgery Instruments**

1. CE certified
2. Company name and catalogue number engraved on each instruments
3. High surgical grade stainless steel
4. Physical demonstration of all instruments is mandatory
5. Corrosion free surgical grade stainless steel (Stainless steel alloy of 350-450 grade)
6. Physical demonstration of all instruments is mandatory

**1. Scissors**

CE certified  
Corrosion free welding scan  
Precise cutting, minimally traumatic  
Long lasting cutting ability  
Seamless homogeneous junction of tungsten carbide and scissors steel  
High surgical grade stainless steel (350 – 450 grade)  
Company name and catalogue number engraved on each instruments

**Mayo dissecting scissors:**

6 ½ (17.1cm) curved blades 50mm  
6 ½ (17.1cm) straight blades 50mm  
8 ½ (22.2cm) curved blades 65mm  
8 ½ (22.2cm) straight blades 65mm

**Metzenbaum Scissors:**

Tungsten carbide blades with round tip  
5” (12.7cm) straight blades 30mm  
5” (12.7cm) curved blades 30mm  
7” (17.7cm) straight blades 35mm  
7” (17.7cm) curved blades 35mm  
9” (22.8cm) straight blades 50mm  
9” (22.8cm) curved blades 50mm  
11” (27.9cm) curved blades 50mm  
12” (30cm) curved blades 55mm

**Pott’s scissors:**

Tungsten carbide, angled to side blade, blunt tip blade delicate  
25° angle, 7 inch, 22mm blade  
45° angle, 7 inch, 22mm blade  
60° angle, 7 inch, 22mm blade  
90° angle, 7 inch, 16mm blade  
120° angle, 7 inch, 16mm blade

**Debakey Vascular scissors:**

Tungsten carbide, angled to side blade, blunt tip blade  
25° angle, 6 ½ inch, 20-25mm blade  
25° angle, 9 inch, 20-25mm blade  
45° angle, 6 ½ inch, 20-25mm blade  
45° angle, 9 inch, 20-25mm blade  
60° angle, 6 ½ inch, 20-25mm blade

**Reynolds scissors:** 5 ½” and 7”

**Iris scissors:** Curved 5 inches

**Needle holder:**

CE certified  
Proper grip with no needle rotation.  
Uniform tapered tips  
Beveled edge to prevent snagging of sutures  
With Tungsten carbide inserts on the jaws  
High surgical grade stainless steel preferably of 350-450 grade

**Crile wood needle holders:**

Tungsten carbide inserts on the jaws  
6” (15cm) jaw 16 x 1.8mm  
8” (20.3cm) jaw 21 x 2mm  
9” (22.8cm) jaw 21x2mm  
10” (25cm) Jaw 21x 2mm  
12” (30cm) Jaw 21x2mm

**Mayo Hegar Needle Holder:** Tungsten carbide inserts on the jaws

6 ½” (16.5cm) Jaw 19 x 3.1 mm  
7” (17.7cm) Jaw 16 x 3mm  
8” (20cm) Jaw 21.2x3mm  
9” (22.8cm) Jaw 20x 2.5mm  
11” (28.75cm) Jaw 23x2.8mm

**Jameson Needle Holder:** Tungsten carbide inserts on the jaws – 9 inches

**Wangenstein Needle Holder:** Tungsten carbide inserts on the jaws – 10 inches

**Ryder Needle Holder:** Tungsten carbide inserts on the jaws or Diamond ash jaws – 6”,7”,9”

**De Bakey Needle Holder:** Tungsten carbide inserts on the jaws – 7”,9”,10”,11”

**Webster Needle Holder:** Tungsten carbide 12cm in length

### Hemostats

CE certified  
High quality stainless steel (stainless steel alloy of 350-450 series)  
Optimum freedom of movement  
Secure closure of the ratchet

**Halsted Mosquito Forceps:** Full serrations, horizontal

4” (10.1cm) straight  
4” (10.1cm) curved  
5 ½” (13.75cm) straight  
5 ½” (13.75cm) curved  
8” straight  
8” curved

**Crile Hemostats:** Full serrations

5 ½” (14cm) straight

5 ½" (14cm) curved

6 ¼" (15.9cm) straight

6 ¼" (15.9cm) curved

**Mayo Pean Forceps (Straight and curved)**

5" (12.5cm) 42mm Jaw, 2.5mm tip

6 ½" (16.5cm) 50mm Jaw, 3mm Tip

7" (17.7cm) 55mm Jaw, 4mm Tip

8 inch (20cm) 72mm jaw, 4mm tip

**Diethrich Right Angle Clamps:**

7" (17.8cm) length. Serrated jaw 8mm past angle

7" (17.8cm) length. Longitudinal serrated jaw 8mm past angle

**Kelly's Hemostats:** Straight and curved both of each dimension

5" (12.5cm)

7" (17.5cm)

10" (25cm)

11" (27.5cm)

**Lahey Dissecting Forceps:** Long serrations

7 ½" (19cm) 22mm jaw

9" (22.8) 32mm jaw

**Mixer Forceps:** 2/3 serrations

6" (15cm)

9"

11 ¼" (28.5cm) 85mm Jaw, 4mm Tip

Full serrations 3.5mm Tip, 40 degree angled Jaw

6 ¼" (15.8cm) 44mm jaw

7 ¾" (19.6cm) 48mm Jaw

9 inches

**Mixer Crafood Forceps:** 10 and 11 inches

Right angled hemostatic forceps: 80 -90° angled, Horizontal serrations: 7", 8", 9", 10", 11"

Johns Hopkins Forceps: Full serrations – 8"

Kocher – Ochsner Forceps: Straight – 5", 6", 8", 10" 11"

Roberts Hemostatic Forceps: 9" in length

**Retractors**

CE certified

High quality surgical grade stainless steel

Long durability

**Gillies Converse Skin Hook:** Sharp hook

Small 3mm, length 7 3/8" (18.7cm)

Large 4mm, length 7 1/8" (18.1cm)

**Meyerding Finger Retractor:**

7" (17.7cm) length, ¼" (6mm) x ¾" (1.7cm) blade

**Kocher Retractor:** Blade 40 x 11.5mm

8 ¼" (20.9cm)

**Langenbeck retractors:** Distal blade tip slightly curved. Flat handle. Length 21cm and 23cm

Blade 4.2cm x 1.6cm

Blade 4.2cm x 1.3cm

Blade 4.2cm x 1 cm

Blade 3.3 cm x 1.4cm

Blade 2.8 cm x 1.4cm

Blade 2.8 cm x 1.0cm

**Kocher –Langenback Retractors:** 8 inches, blades

2.5 x 6mm

3.5 x 8mm

3.5 x 11mm

3.5 x 1.5mm

**Cat's Paw Murphy Rake retractor:**

3 Progs 6 ½"

4 Progs 6 ½"

**Mayo Abdominal Retractors:**

26cm, blade 50 x 70mm blade

**Eye lid retractors:**

13cm, 12mm blade

13cm 15mm blade

**Murphy Gall Bladder Retractor:**

Length 11" (28cm). Blade width 2" (5cm)

**Sauerbruch retractors:**

Long slender blades with slightly curved tips. Hollow handle

Blades 5/8" (1.5cm) x 1 ¾ (4.5cm), length 9" (23cm)

Blades 7/8" (2.3cm) x 2 ½" (6.3cm), length 9" (23cm)

Blades ¾" (2cm) x 2 7/8" (7.3cm), length 8 7/8" (22.5cm)

**Cushing Nerve and vein retractors:**

21cm, blade 15x 10mm

**"S" retractor:** 14cm – large and small blade

**Crile retractor:** 11cm – large blade, small blade

**Czerny Retractor:** 7 inches

**Senn retractor:** 16cm, Blunt prongs

**Harrington retractor:** 13" (33cm), stainless steel with hollow handle

Blade 135 x 44mm

Blade 135 x 65mm

Blade 6cm with 7 inches depth and 30 cm length

7 inches depth with 4 inches blade with 13cm length

**Baby Harrington Retractor:**

**Adson retractor:** Spread 120mm; 4x4 Prongs

7 ½" (19cm) sharp prongs

7 ½" (19cm) blunt prongs

**Anderson Adson retractor:**

Spread 104mm; Contoured shanks with 4x4 Blunt prongs 17x7mm

6 ¾" (17.1)

Deavers retractor: all sizes

Hollow handle length 33cm

Blade 1", 1.5", 2"

**Joll (friedmann) thyroid Retractor:** 6", 4"

**Balfour self-retaining abdominal retractor (Complete set)**

Lateral blades 60,80 and 90mm deep

**Forceps**

CE certified

High quality stainless steel

Ease of grasping

Proper control of the tip for less tissue damage

**Thumb Forceps:** Standard tip

1x2 teeth, 2x3 teeth

5" (12.7cm) tip 2mm

6" (15.2cm) tip 2.2mm

7" (17.5cm) tip 2.5mm

11" (27.5cm) tip 4mm

Atraumatic Thumb forceps:

4", 5", 6", 8", 10", 12"

**Pott's Smith Tissue forceps:** Tungsten carbide

7 ¼", 9 ½", 10 ¼"

**Cushing Tissue Forceps:** Tungsten carbide Jaws

7" (17.5cm)

**Adson dissecting Forceps:** tungsten carbide inserts:

4 ½", 8", 10"

**Adson tissue forceps:** 5" (12.5cm), tungsten carbide tip

1x2 teeth tip 2.5mm

2x3 teeth tip 2.5mm

**Brown Adson tissue forceps:**

5 ¼" (13.3), 7x7 teeth, tip 2mm

**Babcock Tissue forceps:** Tiny multiple meshing teeth

6 ¼" (15.9cm)

7 ½" (18.75cm)

9 ½" (23.75cm)

**Debakey Vascular Tissue Forceps:** tungsten Carbide tip

Narrow atraugrip tip

Straight 7 ¾" (19.8cm)

Staright 9 ½" (24.2cm)

Angled 6" (15.3cm)

Angled 7 ¾" (19.8cm)

Angled 9 ½" (24.2cm)

**Allis tissue Forceps:**

3x4 teeth- 6 inch

4x5 teeth – 5 inch, 7 inch

**Foerster Sponge Holding forceps:**

9 ½" (24.1cm)

**Lung Holding forceps:**

Duval- 25cm in length

Williams -16cm in length

## Clamps

CE certified

High quality Stainless steel

Correct tactile reflex

**Doyen Intestinal clamps:** Soft blades, diagonal serrations, non crushing

9 ¼" (23.4cm), straight

9" (23cm), curved

6 ¾" (17.1cm), pediatric, curved

**Kocher Intestinal clamps:** Soft blades, longitudinal serrations

10 ½" (26.6cm), straight

10 ½" (26.6cm), curved

10 ¾" (27.3cm), straight

**Lanes Twin intestinal clamps:** 12 inches

Hayes Anterior resection clamps:

70 degree angled, angular shafts

9 ¾" (24.8cm) 1x2 Atraugrip jaws 2 ½" (6.3cm)

11 ¼" 1x2 Atraugrip jaws 3 3/8" (8.5cm)

**Billing Gut and colon clamps:**

90 deg angled, curved shafts

9 ¼" (23.4cm) 1x2 At (6.5cm) Atraugrip jaws 2 ¾" (6.5cm)

9 ¼" (23.4cm) 1x2 At (6.5cm) Atraugrip jaws 3 ½" (8.8cm)

Strelinger right angle clamps: 90 degree angled Atraugrip jaws

Large size Jaws 3" (7.6cm) past angle, overall length 9 ½" (22.9cm)

**Bulldog clamps:**

**Dieffenbach clamps:**

40mm length, 12mm jaw

50mm length, 16mm jaw

60mm length, 16mm jaw

**Johns-Hopkins Hemostatic Clamp:**

38mm length, 12mm jaw

65mm length, 30mm jaw

80mm length, 40mm jaw

**Johns-Hopkins Bulldog Applicator:** 25cm

**De Bakey Clamps:**

Straight: 80mm,105mm, 124mm length

Curved: 80mm,95mm,115mm

**Mini bulldog clamps:**

Straight: 50mm, 60mm length

Angled, 55° - 50mm, 55mm

Curved- 60mm length

### Towel Clamps

CE certified

High quality Stainless steel

Reliable ratchet and precise tips for secure clamping

**Backhaus Towel Forceps:**

5 ¼" (13.3cm)

3 ½" (9cm)

### Thoracotomy Instruments

Rib Approximator:

Bailey rib approximator- small size, regular and adult size

Bailey Gibbon rib approximator

### Chest retractors

**Debakey chest retractor**

**Child –**

Blades 1" (2.6cm) deep by 1 1/8" (2.9cm) wide and 1 ¼" (3cm) deep, spread 3 ¾" (9.5cm) Between blades, arm length 2 15/16" (7.5cm)

**Adolescent –**

Blades 1 ¼" (3.2cm) deep by 1 3/16" (3cm) wide and 1 3/8" (3.6cm) deep by 1 3/8 (3.6cm) wide, spread is 5 ½"(14cm) Between blades, arm length 4 ½" (11.5cm)

**Adult –**

Blades 1 ¼" (3.2cm) deep by 2 3/16" (5.7cm) wide and 1 15/16" (5cm) deep by 2 15/16" (5.7cm) wide, spread 6 5/16" (18.5cm) between blades

Extra-long sternal blades to fit the above one, 1 ¼" (3.2cm) deep by 4 ½" (11.5cm) wide, in pairs

**Bone cutter:**

Walton-liston bone cutting forceps:

6" (15.2cm), straight

Ruskin-Liston bone cutting forceps:

7 ¼" (18.5cm) straight, narrow jaw

7 ¼" (18.5cm), up-angled

Sille-Horsley bone cutting forceps:

10 ¼" (26cm)

Liston bone cutting forceps:

5 ¾" (14.6cm), straight

8" (20.3cm), up-angled

**Bone Nibbler**

Osteotome

**Alexander periosteotome**

Standard model, 8 ¼" (21cm)

Pediatric model, 6" (15.2cm)

**Sternotomy retractor**



**Cooley sternum retractor:**

Adult, short blades: 1 ¼" (3.2cm) deep by 2 3/16" (5.7cm) wide, spread 6 11/16 (17cm) between blades, arm length 6 ½" (16.5cm)

**Adult long concave blades:**

1 ¼" (3.2cm) deep by 4" (10cm) wide, spread 6 5/16 (16cm) between blades, arm length 6 ½" (16.5cm)

**Gerbode sternal retractor:**

Standard spread,- Blades 3 15/16" (10cm) wide by 1 3/16" (3cm) deep, spread 5 7/8" (15cm), arm length 8 11/16" (22cm)

Wide spread: Blades 3 15/16" (10cm) wide by 1 3/16" (3cm) deep, spread 8 ½" (21.5cm), arm length 8 11/16" (22cm)

**Chaux multipurpose sternal retractor:**

Spread 9 ¼" (23.2cm), blades 1 1/8" (2.7cm) wide by 1 ¼" (3cm) deep, arm length 8 ½" (20.5cm), rack length 11 1/8" (28.2cm)

**Kuyper-murphy sternal retractor:**

Small- Spread 6 7/8" (17.5cm), blades 2 1/8" (2.8cm) deep by 3" (7.6cm) wide, arm length 5 1/8" (13cm)

Medium- Spread 6 5/16" (16cm), blades 2 1/8" (2.8cm) deep x 3 9/16" (9cm) wide, arm length 6 ½" (16.5cm)

**Wire cutter**

Wire cutter, single action, Tungsten Carbide 8 (20.3cm)

Wire cutter, angled jaw, double action, tungsten carbide 8 ¾" (22.2cm)

**Wire twister**

Baumgarten wire twister

Heavy, square jaw, 8 ¼" (20.9cm), tungsten carbide jaws 17.5 x 4.8mm

**Rubio wire twister:**

5" (12.7cm), tungsten carbide jaws 12x4.1mm

**Wire twisting forceps**

5 ½" (14cm)

Chisel and Hammer

Sternal Saw- Pneumatic

**Lung Spatula**

Allison – 250mm length, blade 40mm wide

300mm length, blade 55mm wide

320mm length, blade 135mm wide

**Schedule: 23****Combined single generator for ultrasonic cutting & coagulation device with advanced Radio frequency energy****A. GENERATOR**

1. System should be a single generator with single footswitch that provides ultrasonic energy and advanced RF energy technology for soft tissue dissection and vessel sealing.
2. Should have the ability to select hand switch or footswitch activation or both for ultrasonic and advanced RF energy instruments and the ability to change selection during use can seal and transect vessel upto 7mm with system feedback mechanism for better patient safety.
3. Should have very minimal lateral thermal with spread not more than 1mm.
4. RF energy instruments compatible with generator should have controlled gap mechanism for uniform compression across the instrument jaw for better sealing and transaction of vessels and tissue bundles upto 7mm simultaneously.
5. Should have standby mode to ensure safety.
6. Should be able to power ultrasonic energy instruments with 55.5 KHz frequency.
7. Should be compatible for RF energy and ultrasonic energy instruments for open and laparoscopic surgery.
8. Should be able to power energy instruments with microprocessor controlled bipolar electro-surgical radiofrequency technology with a quasi-sinusoidal forced impedance output.

9. Should be equipped with smart advanced RF energy technology to measure the tissue impedance and control the power delivery and that can simultaneously seal and transect vessels up to 7mm, large tissue pedicles and vascular bundles with system feedback.
10. Should be compatible with articulating RF energy instruments with articulation of 55 deg either side and total of 110 deg of articulation with 360 shaft rotation and can simultaneously seal and transect vessel upto 7mm, large tissue pedicles and vascular bundles with system feedback.
11. Should provide temperature controlled energy delivery which should maintain tissue temperature approximately at 100 deg C and hand instruments that provide tissue/vessel seal strength to withstand bursting pressure of 7 times the systolic pressure.
12. Should be compatible with ultrasonic energy instruments which can simultaneously seal and transect vessels upto 7mm, large pedicles and vascular bundles with ultrasonic energy only with system feedback.
13. All hand probes for open and lap procedures should be able to simultaneously cut and coagulate tissues and also works separately curved blade and dissecting Hook having telescoping shaft (10cm - 14cm) with integrated hand activation control buttons.
14. Should have the ability for software updates via USB memory stick.
15. Should confirm to the following international standards EN(IEC) 60601-1, EN(IEC) 60601-1-2, EN(IEC) 60601-2-2, EN (IEC) 60601-1-8 & system should be European CE & US FDA approved.
16. Should provide class I protection against electric shock
17. Should come equipped with system diagnostics and troubleshooting guide to pin point any problem in the system.
18. Well-equipped service centre, should be ISO certified.

#### B. FOOT SWITCH & CABLE

#### C. Accessories

1. Generator cart
2. Adapters for ultrasonic and radiofrequency instruments
3. Hand piece/Hand pieces (transducer) compatible with various hand instruments used in open and laparoscopic surgeries.
4. RF energy 5mm lap hand activated probe capable of sealing blood vessels upto 7mm in diameter, 35cm with 3mm curved tip and 5mm straight tip with active articulation of 55 deg each side using articulation wheel and 360 deg knob rotation.
5. Ultrasonic 5mm lap hand activated curved coagulating shear with next generation adaptive tissue technology which gives regulated power delivery for improved thermal management and audible feedback tone for generator surgical efficiency, capable of sealing blood vessels upto 7mm in diameter using three hand activation buttons – max, min & advanced hemostatis, proprietary non stick coated active blade to reduce tissue sticking, 36cm shaft length with ergonomic handle.

#### Schedule: 24

#### BONE DENSITOMETER (DEXA SCANNER)

#### Scanner hardware and acquisition technology

- I) Isocentric fan beam acquisition
- II) Energy switching technique
- III) Internal reference system for pixel by pixel data calibration (no daily calibration required)
- IV) Multi-element solid state detector array
- V) Oil cooled high capacity X ray tube
- VI) Computer aided re-positioning
- VII) Cross hair style laser for patient positioning
- VIII) High scan table for easier patient accessibility
- IX) Controls on C-arm for user convenience

#### Quality assurance

- I) Automated daily procedure

- II) Multiple system checks with pass/fail results
- III) Anthropomorphic spine phantom for daily quality control
- IV) Automatic trending graph of QA variables
- V) Optional print of QA results

**Radiation Dose: Scatter dose less than 10 Gy/h at 1 meter****Clinical applications**

- i) Facility for supine BDM
- ii) Second spine and hip scan acquisition
- iii) Express exam productivity tolls
- iv) Patient call back list
- v) Greater than 1.0% in vivo precision
- vi) L1-L4 standard spine analysis
- vii) L1-L4 standard spine analysis (Trochanteric, Trochanteric, wards triangle)
- viii) Automated dual femur
- ix) Onscreen help graphically displays proper patient positioning
- x) Automatic lo BMD spine and hip analysis
- xi) Scoliosis spine analysis
- xii) Pediatric spine and hip and whole body analysis
- xiii) Whole body analysis
- xiv) HD IVA
- xv) Small animal
- xvi) Infant
- xvii) Body composition
- xviii) Pediatric whole body
- xix) FDA approved fracture risk indication with IVA
- xx) Hip structure analysis (HAS)
- xxi) Standardize BDM reporting
- xxii) Single/dual energy image display
- xxiii) Context sensitive help software
- xxiv) Serial scan comparison

**Connectivity/Reporting tools**

- I) Reporting software with fracture risk indication (FDA approved)
- II) Standardized BDM reporting
- III) Extended spine reporting
- IV) Extended proximal femur rate of change reporting

**Reference Data**

- i) Reference data n> 18000
- ii) Default NHANES III standardized database
- iii) Age, sex and ethnic matched reference data

**Computer hardware**

- i) APEX based operating system
- ii) 1 GB hard drive recommended
- iii) 160GB Hard drive recommended
- iv) CD R/W Drive
- v) 128MB video board
- vi) Network interface card
- vii) High resolution monitor
- viii) Color printer

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**GENERAL TECHNICAL SPECIFICATIONS****GENERAL POINTS:**

## 1. Warranty:

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

## 2. After Sales Service:

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

## 3. Training:

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

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

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

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

***Turnkey:***

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

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

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

**Section – VIII**  
**Quality Control Requirements**

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

**Signature and seal of the Tenderer**

**Section – IX**  
**Qualification Criteria**

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

**Note:**

1. The tenderer shall give an affidavit as under:

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

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

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

3. The startups claiming exemption on the required prior experience, and complying the condition of GIT Clause 35.3 (iv) as above, should furnish along with the bid

- i. All necessary documents in support of the claim regarding exemption on prior experience as mandated by concerned Ministry/ Board of Govt. of India.

Notwithstanding anything stated above, the Purchaser reserves the right to verify/consider, whether the firm/entity is eligible for exemption regarding prior experience requirement.

4. 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.
5. 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.

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



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

(For the period of last five years)

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

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

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

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

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

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

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

**Signature and seal of the Tenderer**

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

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

**Section – X  
TENDER FORM**

Date\_\_\_\_\_

To

---

**SVP (GB), HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector -62,  
Noida -201307, Uttar Pradesh**

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

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

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

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

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

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

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

---

**(Signature with date)**

---

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

**SECTION – XI PRICE SCHEDULE**

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

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

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

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

**Note: -**

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

**Name** \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

**Note: -**

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. The Tenderer will be fully responsible for the safe arrival of the goods at the named port of entry in good condition as per terms of CIP as per INCOTERMS, if applicable
4. Custom duty @ 16.27% and 2% C & F charges will be added to the CIP price to arrive at the DDP price for evaluation purpose.

**Indian Agent:**

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

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

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

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

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

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

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

\* After completion of Warranty period

**NOTE:-**

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

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

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

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

**D) PRICE SCHEDULE FOR TURNKEY**

<b>Schedule No.</b>	<b>BRIEF TURNKEY DESCRIPTION OF GOODS</b>	<b>CONSIGNEE CODE</b>	<b>Turnkey price</b>

**Note: -**

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

Name \_\_\_\_\_

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

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

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

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

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

**SECTION – XII  
QUESTIONNAIRE**

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

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

**SECTION – XIII**

**BANK GUARANTEE FORM FOR EMD**

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

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

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

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

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

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

.....  
Name and designation of the officer

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



**SECTION – XIV**

**MANUFACTURER’S AUTHORISATION FORM**

SVP (GB),  
HLL Lifecare Limited, Procurement and Consultancy Division  
B-14 A, Sector -62, Noida -201307, Uttar Pradesh

Dear Sir,

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

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

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

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

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

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

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

Yours faithfully,

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

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

**SECTION – XV**

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

SVP (GB),  
HLL Lifecare Limited, Procurement and Consultancy Division  
B-14 A, Sector -62, Noida -201307, Uttar Pradesh

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

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

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

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

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

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

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

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

.....  
Name and designation of the officer

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

**SECTION – XVI**

**CONTRACT FORM - A**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Received and accepted this contract

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

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

(Name and address of the supplier)

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

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

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

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

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

(Address of Head of Hospital )  
And \_\_\_\_\_

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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

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

- g) The bank guarantee valid till \_\_\_\_\_ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. \_\_\_\_\_ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.
- h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. \_\_\_\_\_ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
- j) **Paying authority:** \_\_\_\_\_ (name of the consignee i.e. Hospitalauthorised official)

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

Received and accepted this contract

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

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

(Name and address of the supplier)

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

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

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

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

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

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

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

**No** \_\_\_\_\_

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

**To**

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

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

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

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

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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



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

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

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

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

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

*(Signature)*

*(Name)*

*(Designation with stamp)*

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

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

**SECTION – XIX  
ANNEXURES**

**Annexure 1**

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

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

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

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

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

**(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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) immediately so that dispensation from the shipping lines concerned to use alternative lifting may be sought.

**(k) SHIPMENT FROM WEST COAST PORTS OF U.S. 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: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159) at least six weeks in advance of the required position.

**2. BILLS OF LADING**

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

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

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

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

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

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

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

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

**Note:**

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

**SECTION – XX**  
**CHECKLIST**

**Name of Tenderer:**

**Name of Manufacturer:**

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

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

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

N.B.

1. All pages of the Tender should be page numbered and indexed.
  2. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
2. 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 List

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

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