

NATIONAL TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF MEDICAL EQUIPMENT

FOR & ON BEHALF OF

**Chittarranjan National Cancer Institute, Kolkata
(Campus -II)**

On E-Tender Basis

Tender Enquiry No.: HSCC/PUR/CNCI/Kolkata/Medical Equipment/04 dt. 03.01.2018



HSCC (INDIA) LTD

(A GOVERNMENT OF INDIA ENTERPRISE)

Plot No. 6-A, Block-E, Sector-1,

NOIDA (U.P.) - 201 301

PHONE: 0120-2540153

FAX: 0120-2542447

URL: www.hsccltd.com

Important to Bidder:

A. Off- line documents submission:- Sealed part –I document is to be submit in tender box in as per the schedule mentioned in section –I.

- **Bid Security (EMD) – in original**
- **Affidavit- in original.**
- **Bid Summary Sheet**

Note:

1. **Bidders are advice to submit above mentioned documents in tender box only in hard copy.**
2. **EMD favour of “HSCC (India) Ltd” payable at New Delhi/ Noida**

B. On line documents submission:-

- **(i) Part –II : Following scan documents upload as per chronological order as mentioned below:**
- **01 Bid summary sheet:** - Bid summary sheet should be as per Section XXII
- **02 EMD:** Demand draft / BG
- **03 Power of Attorney-** Power of attorney should be as per Section XXIII
- **04 Tender Form** Tender form should be as per section X.
- **05 Manufacturers Authorization Form-** Manufacturers Authorization Form should be as per SECTION – XIV
- **06 Affidavit/Undertaking** Affidavit/Undertaking should be as per Section XIX.
- **07 Proforma A** The performa “A” should as per TE document and supported **with purchaser order in accordance to section –IX in order to qualify the qualification criteria. The latest purchaser order along with End user certificate /installation certificate is to be scan from original copy.**
- **08 PAN and Certificate of Incorporation/Declaration”:** PAN Card and Certificate of Incorporation/Declaration of bidder firm.
- **09 Audited Annual report”:** Audited Balance sheet (2013 - 14, 2014 – 15 & 2015 – 16) of last 3 completed financial years certified by Chartered Accountant is to be Colour scan from original along with the certificate issued by Chartered Accountant certify
- **10 Certificate of Regn.”:-** The certificate of registration Issued by Directorate of Industries/NSIC, if SSI unit is to be Colour scan from original copy.
- **11 Quality Control Requirements”:-** This format should be as per Section VIII.
- **12 Bidder Information:-** Bidder Information should be as per Section XXIV
- **13 Technical Compliance”:-** Technical compliance for the quoted goods vis-à-vis the Technical specifications with all related brochures/catalogues in the tender enquiry, technical bid.

Note: Before uploading, bidder should ensure that all above documents is to be sign & stamped.

C. Price Bid

Part-III:- Price Bid is to be filled up on line as per the format mentioned in the TE document

- The bidders are required to be registered at HSCC e-tender portal www.tenderwizard.com/HSCC and downloading the bid document from HSCC website. For submission of the bids, the bidders are required to have Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities.

Tender/Bid Validity: The tender/bid shall remain valid 360 days from the date of Techno – Commercial Tender opening, date prescribed in the TE document. The EMD shall be valid for 415 days from Techno – Commercial Tender opening d

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**Chittarranjan National Cancer Institute, (Campus –II), Kolkata
Ministry of Health & Family Welfare, Govt. of India,**

NATIONAL COMPETITIVE BIDDING (NCB), INVITATION FOR BIDS (IFB)

**FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING MEDICAL EQUIPMENT
E-Tendering**

Director, Chittarranjan National Cancer Institute, (CNCI –Campus –II) Kolkata under Ministry of Health & Family Welfare, Govt. of India through their Consultants HSCC (India) Ltd. invites **On-line bids** from eligible bidders, in single stage two bid system for supply, installation, testing, commissioning & handing-over of various Medical Equipment **for Chittarranjan National Cancer Institute, (Campus –II), Kolkata**

The bidders are required to be registered at HSCC e-tender portal www.tenderwizard.com/HSCC. Please log on to www.tenderwizard.com/HSCC only for downloading bid document and for participation through **E-Tendering basis**. For submission and other details, please refer HSCC e-tender portal www.tenderwizard.com/HSCC. For submission of the bids, the bidders are required to have Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities. The bidders are required to submit Original Bid Security as per Bid Document and submit in the office of **CGM, HSCC (India) Ltd., E-6A, Sector-1, Noida – 201301 before the date and time fixed for opening of the bid either by registered post or by hand failing which the bid will be declared nonresponsive**

Complete set of Bid Documents has been made available at E-Tender portal www.tenderwizard.com/HSCC, www.hsccltd.com Prospective bidders are advised to regularly scan through HSCC E-Tender portal www.tenderwizard.com/HSCC, www.hsccltd.com as corrigendum/ amendments etc., if any, will be notified on this portal only and no separate advertisement will be made for this.

**Chief General Manager, HSCC (I) Ltd
For & on behalf of Director CMCI, Kolkata**

SECTION - I

NOTICE INVITING TENDERS (NIT)

Open E- Tender

FOR

Chittarranjan National Cancer Institute, (Campus -II), Kolkata
Ministry of Health & Family Welfare, Govt. of India,

Tender Enquiry No.: HSCC/PUR/CNCI/Kolkata/Medical Equipment/04 dated 03.01.2018

Director, Chittarranjan National Cancer Institute, Kolkata under Ministry of Health & Family Welfare, Govt. of India through their Consultants HSCC (India) Ltd. invites **On-line bids** from eligible bidders, in single stage two bid system for supply, installation, testing, commissioning & handing-over of various Medical Equipment for **Chittarranjan National Cancer Institute, (Campus -II), Kolkata**

Sl.N	Name of the Article	Qty	EMD Rs
1	High Dose-Rate Brachytherapy	1	8,00,000
2	ABG Analyzer	1	6,000
3	Anesthesia Work Station	12	9,90,000
4	Defibrillator -	12	1,68,000
5	ECG Machine -6	2	2,800
6	ECG Machine -12	12	24,000
7	Patient Warming System	20	40,000
8	ICU ventilator	12	5,28,000
9	Multipara monitor	36	2,88,000
10	Paediatric Flexible Video Bronchoscope	1	50,000
11	Portable Ultra sound	4	1,60,000
12	Pulse Oximeter	10	1,400
13	Rigid Video Laryngoscope	3	6,000
14	Syringe Infusion Pump	50	50,000
15	Volumetric Infusion Pump	20	20,000

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	03.01.2018 to 02.02.2018, 10:00 hrs to 13:00 hrs IST
ii.	Place of sale of Tender Enquiry Documents	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)-201301
iii.	Cost of the Tender Enquiry Document	Free of cost
iv.	Pre Tender Meeting Date & Time	15.01.2018, 14:00 hrs IST
v.	Pre Tender Meeting Venue	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)-201301
vi.	Closing date & time for receipt of Tender	02.02.2018, 14:00 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	02.02.2018, 14:30 hrs IST
viii	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

1. Please log on to www.tenderwizard.com/HSCC only for downloading bid document and for participation through **e-tendering basis**. All corrigendum/modifications/amendments, if any, will be published on the website www.tenderwizard.com/HSCC only. All bidders are requested to visit this website on regular basis.
2. Tenderer may also download the tender enquiry documents from the web site <http://eprocure.gov.in/cppp>, www.hscltd.com and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above. The tender shall be submitted, all the necessary documents and in physical form (with respect to few documents as mentioned in the SIT) in parts/covers as mentioned below:

A. In Original Offline & Copy Online (In separate Envelope : Part-I)

- (i) EMD (in original)
- (ii) Affidavit as per Section XIX (in original)
- (iii) Bid summary sheet as per Section XXII

B. Online (Part-II)

- (i) Bid summary sheet as per Section XXI
 - (ii) EMD.
 - (iii) Power of Attorney as per Section XXIII
 - (iv) Tender Form as per section X.
 - (v) Manufacturers Authorization Form as SECTION – XIV
 - (vi) Affidavit as per Section XIX.
 - (vii) Proforma “A” **with purchaser order in accordance to section –IX in order to qualify the bidder qualification criteria. The copy of latest purchaser order along with installation certificate /service report performance certificate is to be scan and upload accordingly.**
 - (viii) Copy of PAN and Certificate of Incorporation/Declaration being a proprietary firm of the bidder.
 - (ix) Audited Annual report of last 3 completed financial years (Balance sheet and Profit & Loss Account).
 - (x) Certificate of Regn. Issued by Directorate of Industries/NSIC, if SSI unit.
 - (xi) Quality Control Requirements as per Section VIII
 - (xii) Bidder Information as per Section XXIV
3. All prospective tenderers may attend the **Pre Tender meeting**. The venue, date and time indicated in the Para 2 above.
 4. **Bids to be submitted on-line only in single stage two bid system, i.e. Techno-commercial Bid (unpriced bid) and the Price Bid, for the above, including Bid Security on or before the closing date and time indicated above, failing which the tenders will be treated as late and rejected.**
 5. In the event of any of the above tender opening/closing dates being declared as holiday/closed day for the purchase organization, the bids will be sold/received/opened on the next working day at the stipulated time.
 6. The Tender Enquiry Documents are not transferable.
 7. Bids shall be evaluated separately for each **item**.
 8. HSCC reserves the right to accept or reject any or all of the tenders in full or in part including the lowest bid without assigning any reason thereof or incurring any liability thereby.

**Chief General Manager, HSCC (I) Ltd
For & on behalf of Director CNCI, Kolkata**

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

1.3 Abbreviations:

- (i) "TE Document" means Tender Enquiry Document
- (ii) "NIT" means Notice Inviting Tenders.
- (iii) "GIT" means General Instructions to Tenderers
- (iv) "SIT" means Special Instructions to Tenderers
- (v) "GCC" means General Conditions of Contract
- (vi) "SCC" means Special Conditions of Contract
- (vii) "DGS&D" means Directorate General of Supplies and Disposals
- (viii) "NSIC" means National Small Industries Corporation
- (ix) "PSU" means Public Sector Undertaking
- (x) "CPSU" means Central Public Sector Undertaking
- (xi) "LSI" means Large Scale Industry

- (xii) "SSI" means Small Scale Industry
- (xiii) "LC" means Letter of Credit
- (xiv) "DP" means Delivery Period
- (xv) "BG" means Bank Guarantee
- (xvi) "ED" means Excise Duty
- (xvii) "CD" means Custom Duty
- (xviii) "VAT" means Value Added Tax –Deleted
- (xix) "CENVAT" means Central Value Added Tax
- (xx) "CST" means Central Sales Tax –Deleted
- (xxi) "RR" means Railway Receipt
- (xxii) "BL" means Bill of Lading
- (xxiii) "FOB" means Free on Board
- (xxiv) "FCA" means Free Carrier
- (xxv) "FOR" means Free On Rail
- (xxvi) "CIF" means Cost, Insurance and Freight
- (xxvii) "CIP (Destinations)" means Carriage and Insurance Paid up to Consignee Site. Additionally the Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.
- (xxviii) "DDP" means Delivery Duty Paid named place of destination (consignee site)
- (xxix) "INCOTERMS" means International Commercial Terms as on the date of Tender Opening
- (xxx) Detected
- (xxxi) "Dte. GHS" means Directorate General and Health Services, MOH&FW.
- (xxxii) "CMC" means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
- (xxxiii) "RT" means Re-Tender.
- (xxxiv) GST – Goods and Services tax**

2. Introduction

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

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Instructions from Ministry of Shipping/ Surface Transport (Annexure 1 & 2)
- Section XX – Check List for the Tenderers
- Section XXI – Consignee List

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

9. Amendments to TE documents

- 9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.
- 9.2 Such an amendment will be published on website.
- 9.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

10. Clarification of TE documents

- 10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing. The purchaser will respond in writing to such request provided the same is received by the purchaser.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

Please refer Clause no. 3 under Section -I

Note: 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

It is the responsibility of tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any.

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

A) Techno – Commercial Tender (Un priced Tender)

- i) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- ii) Tender Form as per Section X (without indicating any prices).
- iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer’s Authorisation Form.
- v) Power of Attorney in favour of signatory of TE documents.
- 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).

B) Price Tender:

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

NOTE:

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

NOTE:

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

12. Tender currencies

- 12.1 Deleted
- 12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.
- 12.3 **Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.**

13 Tender Prices

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified as "NA" by the tenderer.
- 13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:

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

- a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like GST/Sales tax, Custom 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 which will be payable on the goods in India if the contract is awarded;
- c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
- d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
- e) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

- a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
- b) The amount of freight and insurance.
- c) the price of goods quoted CIP (at Consignee Site) Basis as indicated in the List of Requirements & Price Schedule;
- d) the charges for Incidental Services including Customs Duty on (CDEC) basis/ DSIR certificate, Custom Clearance, inland transport upto Consignee's site, installation & commissioning, supervision, Demonstration & training, as in the List of Requirements and Price Schedule.
- e) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;
- f) the charges for Incidental Services, as in the List of Requirements and Price Schedule;
- g) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- h) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 Additional information and instruction on Duties and Taxes:

13.5.1 If the Tenderer desires to ask for GST/Sales tax 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 GST and no claim for the same will be entertained later.

13.5.2 Excise Duty: Detected

13.5.3 GST:

If a tenderer asks for GST/ Sales tax to be paid extra, the rate and nature of GST/Sales tax applicable should be shown separately. The GST/Sales 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 GST /Sales 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: Detected

13.5.5 Customs Duty:

The Purchaser will pay the Customs duty wherever applicable.

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

14. Indian Agent

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

15. Firm Price

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

16. Alternative Tenders

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

17 Documents Establishing Tenderer's Eligibility and Qualifications

- 17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.

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

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

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

19. Earnest Money Deposit (EMD)

- 19.1 Pursuant to GIT clauses 8.1 and 11.1(d) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification" etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).
- 19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
- i) Account Payee Demand Draft
 - ii) Banker's cheque and
 - iii) Bank Guarantee
- 19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "**HSCC (India) Ltd**" payable at New Delhi/Noida. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents

- 19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is **360 days**, the EMD shall be valid for **415 days** from Techno – Commercial Tender opening date. **In case of extension of submission of bid/ tender, the validity of bid security (EMD) may be considered from the original date of submission of bid.**
- 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 **360 days** after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, however, may not agree to extend its tender validity without forfeiting its EMD.
- 20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Signing and Sealing of Tender

- 21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.
- 21.2 Deleted
- 21.3 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

Bidders are requested not to submit the hard copy of Price Bid along with the physical form of tender. Uploading of the price bid in prequalification bid or technical bid will result in rejection of the tender.

- 22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for

submission of tender falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- 27.2 The Purchaser's determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- 27.3 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. As prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non – responsive and will be rejected.
- 27.4 The following are some of the important aspects, for which a tender shall be **declared non – responsive and will be summarily ignored;**
- (i) Tender form as per Section X (Signed and stamped) not enclosed.
 - (ii) Tender is unsigned.
 - (iii) Tender validity is shorter than the required period.
 - (iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
 - (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
 - (vi) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
 - (vii) Poor/ unsatisfactory past performance.
 - (viii) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
 - (ix) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
 - (x) Tenderer has not agreed for the delivery terms & delivery schedule.

28. Minor Infirmary/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

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

34. Comparison of Tenders

- 34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on ware house to consignee site basis. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation.

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

- 35.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:
- i) In the case of goods manufactured in India or goods of foreign origin already located in India, GST/Sales tax & other similar taxes & other similar duties, Customs Duties, etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
 - ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.
- 35.2 The purchaser's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.
- 35.3 i. In exercise of powers conferred in section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small enterprises effective from 1st April 2012. The policy mandates that 20% of procurement of annual requirement of goods and services by all Central Ministries/Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 20% quantity.
- ii. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L1 price, in a situation where L1 price is from someone other than on MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20%

supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

- iii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir board or national Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being on MSE, failing which their tender will be liable to be ignored.

36. Tenderer's capability to perform the contract

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

37. Contacting the Purchaser

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

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

41. Notification of Award

- 41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. **The successful tenderer must furnish to the purchaser the required performance security within thirty days from the date of dispatch of this notification, failing which the EMD will 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. The Notification of Award/ Supply order shall constitute the conclusion of the Contract agreement from date of issue. The Notification of Award/ Supply order will be placed on successful bidder (i.e. manufacture and /or manufacture authorised agent). **The manufacturer and /or manufacture authorised agent shall be jointly and severally liable to perform the all contractually obligations under the agreement**

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 thirty days** from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered / speed post.
- 42.3 The Purchaser/Consignee reserves the right to issue the Notification of Award consignee wise.

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

(i) “corrupt practice” means the offering, giving, receiving or soliciting of 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.

**SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)**

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

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

A Preamble
No Change

B TE documents

10. Clarification of TE documents

10.1 During pre bid meeting clarification asked by the bidder will be respond by the purchaser. The Bidder request shall be in writing and submit to HSCC office during pre bid meeting or not later than **three days** from date of pre bid meeting, thereafter the bidder request will be ignore or rejected. The purchaser response (including explanation of the query but without identifying the source of inquiry) will be displayed on the website only www.hsccltd.com.

19. Earnest Money Deposit (EMD)

19.5 The earnest money deposit (EMD)/ bid security shall be valid for a period 415 days from the Techno – Commercial Tender opening date. In case of extension of submission of bid/ tender, the validity of bid security (EMD) may be considered from the original date of submission of bid.

20. Tender Validity

20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of **360 days** from the date of Techno – Commercial Tender opening, date prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

E Tender Opening

Tender opening committee first open envelop, if no bid Security/EMD bid will be rejected.

G Award of Contract

42. Issue of Contract

42.1 Deleted

47. If a firm quoted NIL charges /consideration, the bid shall be treated as unresponsive and will not be considered.

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

1. Application

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

2. Use of contract documents and information

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

3. Patent Rights

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

4. Country of Origin

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

5. Performance Security

- 5.1 **Within thirty (30) days from date of the issue of notification of award by the Purchaser/Consignee,** the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of **minimum 68 months** for Radiotherapy, Nuclear Medicine, MRI & CT and **66 months** for other equipment **from the date of Notification of Award..**

5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:

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

5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.

5.4 In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the 'Contract Form - B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.

5.6 Subject to GCC sub - clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

6. Technical Specifications and Standards

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

7. Packing and Marking

7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

7.3 Packing instructions:

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

- a. contract number and date

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

8. Inspection, Testing and Quality Control

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, & if same is accepted by purchaser / consignee / PSA/ PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro. Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection 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 or equivalent (acceptable to the purchaser) prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

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

10. Transportation of Goods

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

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

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

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

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

11. Insurance:

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

- i) **in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured 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. 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.**

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

12. Spare parts

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

13. Incidental services

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

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

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

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

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

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

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

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

Any delay or demurrage occurred during the customs clearance on account of the non-availability of technical support/ clarifications /documents from the supplier shall be borne by the supplier:

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

15. Warranty

- 15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications*) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 15.2 The **warranty** shall remain valid for **5 (Five) Years** from the date of installation & commissioning followed by a **CMC for a period of 5 (Five) Years** for all the equipments after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser/CONSIGNEE in terms of the contract, unless specified otherwise in the SCC
- a. No conditional warranty like mishandling, manufacturing defects etc. will be acceptable.
 - b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work
 - 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:

80 % payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

1. Copy of Purchase order, copy of performance security
2. Consignee receipt in original issued by CNCI -Kolkata/Client.
3. Invoice in favour of consignee through HSCC
4. Packing list showing NOA duly vetted by third party inspection agency.
5. Insurance certificate as per tender terms
6. Despatch note issued by HSCC
7. Manufacture's / supplier's warranty certificate
8. Third party inspection agency report viz SGS, Lloyd, Bureau Veritas, TUV prior to despatch.

b) On Acceptance:

Balance 20 % payment would be made on submission of following document:

1. Copy of Purchase order, copy of performance security valid upto tender terms.
2. Copy of consignee receipt
3. Final Acceptance Certificate (Installation & commissioning certificate) in original issued by CNCI -Kolkata on completion of installation & commissioning
4. Insurance certificate as per tender terms.
5. Invoice in favour of consignee through HSCC

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 showing contract number duly signed & stamped by thirty party inspection agency.
- (iv) Insurance Certificate as per tender
- (v) Manufacturer's/Supplier's warranty certificate;
- (vi) Manufacturer's own factory inspection report and

- (vii) Certificate of origin by the chamber of commerce of the concerned country;
- (viii) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd, TUV & Beauru Varitus, prior to despatch.
- (ix) Despatch note issued by HSCC.

b) On Acceptance:

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

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

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

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

C) Payment of Turnkey, if any:

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

D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

- 21.2 The supplier shall not claim any interest on payments under the contract.
- 21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.
- 21.4 Irrevocable & non – transferable LC shall be opened by the respective consignees. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.

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

- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
- (b) Delay in supplies, if any, has been regularized.
- (c) The contract price where it is subject to variation has been finalized.
- (d) The supplier furnishes the following undertakings:

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

22. Delivery

22.1 The supplier shall deliver of the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.

22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

- (i) imposition of liquidated damages,
- (ii) forfeiture of its performance security and
- (iii) termination of the contract for default.

22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

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

- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
- (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, GST/ Sales 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, GST/ Sales

tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

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

22.6 Passing of Property

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

23. Liquidated damages

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

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

24. Termination for default

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

25. Termination for insolvency

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

26. Force Majeure

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

27. Termination for convenience

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

28. Governing language

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

29. Notices

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

30. Resolution of disputes

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

31. **Applicable Law**

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

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

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

32. **General/ Miscellaneous Clauses**

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

32.7 All claims regarding indemnity shall survive the termination or expiry of the contract

SECTION - V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

1. Bidder must take into consideration in its bid, costs to be incurred for any additional work pertaining to civil, Electrical, Plumbing, sanitary, **Radiation protection as per Govt. regulation/or equivalent as per local statutory conditions**, servo stabilisers, U.P.S. etc. if required for successful installation testing and commissioning of the system/ equipment in the "All inclusive lump sum price"/ turnkey work.
2. **The contract will be turnkey work**, bidder must take into consideration in its bid, costs to be incurred for supply of equipment from **ware house to consignee CNCI -Kolkata**, installation, commissioning testing, training, third party inspection cost, packing & forwarding cost, all taxes, all duties, custom clearance charges, loading & unloading charges, site visit charges, two year compressive warranty cost including all spare, Indian agent charges, any other required for successful installation & commissioning of system/ equipment.
3. The pre delivery inspection carried out by **third party Inspection agency viz LLOYDS/SGS /Bureau Veritas/ TUV** or any other with same high status inspection agency. The supplier shall arrange III party Inspection agency approved by HSCC. All charges for III party inspection shall be borne by the supplier. Therefore same charges shall take into consideration in its bid.
4. Purchaser's / consignee's contractual right to inspect before issue despatch note.

A. For goods imported from abroad: The stores (**Import origin goods**) should be dispatched only after ensuring inspection carried out by third party Inspection agencies viz. **LLOYDS/SGS /Bureau Veritas/ TUV** and proof of such documents submitted to HSCC for the goods inspected. Inspection. HSCC on receipt of such documents shall issue **Dispatch note**.

To enable HSCC to issue Dispatch note, supplier/manufacture is to furnish the following documents in **two sets**:

1. Packing list showing NOA duly vetted by third party inspection agency
2. Manufacture's internal test report.
3. Quality Certificate by manufacture
4. Certificate of origin by the chamber of commerce of the concerned country
5. Warranty certificate by manufacture/supplier
6. Third party inspection agency report viz SGS, Lloyd, Bureau Veritas, TUV prior to despatch
7. Copy of Insurance as per tender document.

No goods (both Indian & Import origin goods) shall be despatched before issue of despatch note issued by HSCC, failing which responsibility (i.e. demurrage charges etc. by the custom department) shall be rest on manufacture/supplier/ its authorised agency in india.

All above documents showing contract number, goods description & LC. The Invoice should in favour of Director, Chittarranjan National Cancer Institute, Kolkata through HSCC. After scrutiny, if the documents found in order, **Dispatch note** will be issued to the supplier.

B. For Domestic Goods, including goods already imported by the supplier under its own arrangement

To enable HSCC to issue Dispatch note, supplier/manufacture is to furnish the following documents in **two sets**:

1. Packing list showing NOA
2. Manufacture's internal test report.
3. Quality Certificate by manufacture
4. Warranty certificate by manufacture/supplier
5. Third party inspection agency report viz SGS, Lloyd, Bereau Veritas, TUV prior to despatch
6. Copy of Insurance as per tender document

No goods (both Indian & Import origin goods) shall be despatched before issue of despatch note issued by HSCC, failing which responsibility shall be rest on the manufacture/supplier.

All above documents showing contract number, goods description. The Invoice should in favour of Director, Chittarranjan National Cancer Institute, Kolkata through HSCC through HSCC. After scrutiny, if the documents found in order, **Despatch note** will be issued to the supplier.

5. The performance security shall be valid for a **period six (6) months beyond expire of two years warranty period.**
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, faling which bid may not be consider.**
7. **Insurance:** For delivery of goods at site, the insurance including transit and installation & commissioning insurance shall be obtained by the supplier in an amount equal to **110%** of the value of the goods from "warehouse to warehouse" (final destination – designated consignee place) on "all risks" basis including war, risks, strikes, erection, storage etc. In any event the Goods are at the Supplier's risk until delivery and installation & commissioning at site.
8. Deleted
9. **Reimbursement of Custom Duty & GST : CNCI deserves for customs duty exemption through DSIR certificate.** The custom duty & GST amount as mentioned in the price schedule section –XI (B) (convert in INR at the rate of exchange mentioned in bill of entry) will compared with the actual total custom duty & GST amount levied by custom department and reimbursed to the supplier as per below:
 - a. If the custom duty & GST amount as mentioned in the price schedule section –XI (B) is equal to the actual total custom duty & GST amount levied by custom department, the actual total custom duty & GST amount levied by custom department shall be prevailed and reimbursed to the supplier in INR accordingly.
 - b. If the custom duty & GST amount as mentioned in the price schedule section –XI (B) is more than actual total custom duty & GST amount levied by custom department, the actual total custom duty & GST amount levied by custom department shall be prevailed and reimbursed to the supplier in INR accordingly.
 - c. If the custom duty & GST amount as mentioned in the price schedule section –XI (B) is less than the actual total custom duty & GST amount levied by custom department, the custom duty & GST amount as mentioned in the price schedule section –XI (B) shall be prevail and reimbursed to the supplier at rate of exchange rate mentioned on the bill of entry in INR accordingly.
10. The Tenderer shall furnish copy of all Purchase Orders (complete with specifications and prices) in their Technical Bid for the same model supplied to Govt. Hospitals/PSU Hospital/UN Agencies/Govt. Labs/Corporate Hospitals in the last one year from the date of Technical Bid opening.
11. Manufacture/supplier/ its authorised agency in India shall entirely responsible to safely delivery/handing over the goods from ware house to consignee.
12. Manufacture/supplier/ its authorised agency in India shall entirely responsible for custom clearance/ any statuary compliance etc. however necessary support/document will be provided by HSCC/ **CNCI -Kolkata** if required.

SECTION - VI

Required Delivery Schedule:

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

- (i) Delivery period for Radiology, Radio therapy Equipments: **90 days** from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site.
- (ii) Installation and commissioning period Radiology, Radio therapy Equipments:- **90 days** for receipt of the stores/ goods delivery at site or **90 days** from handing over the site or instruction for installation, whichever is later.
- (iii) Delivery period for other Equipments: **60 days** from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site.
- (iv) Installation and commissioning period other Equipments:- **60 days** for receipt of the stores/ goods delivery at site or **60 days** from handing over the site or instruction for installation, whichever is later.

b) For Imported goods directly from foreign through LC:

- (i) Delivery period for Radiology, Radio therapy Equipments: **90 days** from date of opening of the final Letter of Credit. The date of delivery will be the date of Bill of Lading / Airway Bill.
- (ii) Installation and commissioning period Radiology, Radio therapy Equipments:- **90 days** for receipt of the stores/ goods delivery at site or **90 days** from handing over the site or instruction for installation, whichever is later.
- (iii) Delivery period for other Equipments: **60 days** from date of opening of the final Letter of Credit. The date of delivery will be the date of Bill of Lading / Airway Bill.
- (iv) Installation and commissioning period other Equipments:- **60 days** for receipt of the stores/ goods delivery at site or **60 days** from handing over the site or instruction for installation, whichever is later.

The Time lapse on the part of HSCC approval/ CNCI -Kolkata approval / local statutory approval / issue of CDEC /DSIR Certificate/ Despatch Clearance/note will not be count for delivery period and site not ready/ site not handed over will not be count for installation period.

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.

NOTE:

1. The bidders are advised to ship / deliver the equipments / items, only after obtaining "Permission to Ship" from HSCC in writing. If the bidder ship the equipments / items without obtaining permission, then the cost towards demurrage, warehouse charges etc has to be borne by the bidder only.
2. **For Imported goods directly from abroad:** The foreign tenderers are required to quote their rates on CIP Named Port of Destination Basis giving break up of the price as per the Proforma prescribed in the Price Schedule. Purchaser will place the order on Consignee basis. The shipping arrangements shall be made by the supplier accordingly.

Section – VII Technical Specifications

1. High Dose-Rate Brachytherapy

Sealed tenders (sealed separately as the “Technical Bid & the Price Bid-in duplicate) are invited directly from the manufacturers/principles for the supply of a latest technology High DoseRate (HDR) Brachytherapy Remote After-Loading System. The High Dose-Rate (HDR) Brachytherapy Remote After-Loading System includes Treatment Unit, treatment table, Control Unit, Treatment Planning System and applicators and other required accessories for clinical application. The HDR system should be capable for the treatment of intracavitary, intraluminal, interstitial and surface mould brachytherapy. The offer system should be of the latest model. The vendor should provide commitment to be able to provide service and support for the offered new unit for at least 10 years from the date of installation.

Technical Specification

1. Brachytherapy Treatment Unit:

- 1.1 The system should be capable for the treatment of intracavitary, intraluminal, interstitial and surface mould brachytherapy
- 1.2 The HDR system should be latest microprocessor and PC controlled and it must have latest hardware and advanced software.
- 1.3 The system should have minimum 20 channels or more for all types of brachytherapy treatments.
- 1.4 The system should be on wheels for easy mobility in the treatment area and provided with storage safe of lead/ tungsten alloy to guarantee and compatible with guidelines of international safety regulations especially AERB.
- 1.5 Specify the in-built radiation safety measures provided in the unit including power failure, emergencies, channels indexer, activity of the source and dose rate, verification system for channel number and connectivity of the applicator etc.
- 1.6 The treatment unit should have an in-built integrated radiation detector to check the safe return of the source (GM Type tube).
- 1.7 The source must be retractable and reach in the safe position in the events of an emergency/ power failure etc specifies the source retraction methods.
- 1.8 The vender shall quote month and year of the fabrication of the unit and provide the certificate of the same of its being original.
- 1.9 The Source head should have adequate shielding and its height should be adjustable.
- 1.10 The System should have the dummy cable to check the treatment parameters prior to treatment.

2. Radioactive Source

- 2.1 The system should use radioactive sources of Ir-192
- 2.2 source strength should be of at least 10Ci Ir-192
- 2.3 Please specify the activity, physical characteristics and dimensions of the source being supplied with the unit. Please specify the following:
 - (i) Specify the maximum source extension
 - (ii) Specify the dwell position per catheter
 - (iii) Specify the maximum dwell time per position in the catheter
 - (iv) Specify the maximum treatable length in cm
 - (v) Specify the accuracy in position in mm.
 - (vi) Specify the active diameter and length of the source.
 - (vii) Specify the mode of source movement in each channel of the unit
 - (viii) Source cable must be able to pass through catheters of curvature 1.5 cm or less

3. Treatment Control Console:

- 3.1 Stand alone and independent PC based control unit should be provided with flat panel 21" or larger LED color monitor, keyboard, mouse, build in audio card, network card, backup media, printer etc and direct link with 3D-TPS to be supplied.
- 3.2 It should have protection circuit inbuilt to prevent treatment without proper applicator connection, door closing and proper index locking.
- 3.3 It should have all self-testing provision necessary for the treatment.
- 3.4 Control unit software should run on window application.
- 3.5 Access must be limited to authorized users with password protection
- 3.6 The treatment times must be automatically corrected for the decay of the radioactive source
- 3.7 There should be higher dwell position for the source in each channel
- 3.8 On-line extensive display of status codes with an indication of the action required
- 3.9 Large patient's database should be provided with a backup option to an external storage device
- 3.10 The system should provide real-time information during treatment.
- 3.11 Provision for checking of complete operation of the system prior to actual treatment including electronic and radiation safety checks should be available.

4. Brachytherapy Treatment Planning System (TPS)

- 4.1 A state-of-the-art brachytherapy planning system capable for performing conventional 2D and advanced 3D-treatment planning with dose-volume histogram analysis methods and different methods of optimization of the treatment plan and also inverse planning modules for planning of all treatment techniques like intracavitary, interstitial, intraluminal, and surface mould.
- 4.2 System should have input capability of receiving patient information i.e patient data through scanner, digitizer, and directly from CT, MRI, X-ray unit through DICOM 3.0/RT compatible interface.
- 4.3 The system should be capable of doing multimodality image registration and also should have the features of auto-contouring of the organs and applicator etc.
- 4.4 The 3D planning and viewing of dose distribution in coronal and sagittal cuts and any other possible cuts should be provided.
- 4.5 The system should include the plan library, source and applicator library, optimization and isodose sharper tools and reporting tools etc. specify the features.
- 4.6 The treatment times must be automatically corrected for the decay of the radioactive source.
- 4.7 The system should be capable of summation of brachytherapy and external beam dose distribution and 3D viewing and should be quoted as optional item and price must be quoted separately.
- 4.8 The Networking (on-line) between HDR treatment unit and TPS should be provided and it should be connected with CT-simulator, Ultrasound and MRI.
- 4.9 Hardware: Treatment planning system should have a latest computer with high speed and most modern graphics workstation, fast processor with RAM of maximum latest availability and should have a Hard Disk with large storing capacity of maximum available memory, Key Board, Mouse of latest configuration.
- 4.10 The system should have at least 21" LED monitor with high resolution for good visualization
- 4.11. For patient data input, high resolution FILM SCANNER should be provided.
- 4.12 One color printer A3/A4 size for printing the treatment planning and plotting of isodose should be provided. Five printer cartridge per year during warranty period and CMC period shall be provided.
- 4.13. The vendor should provide advanced model-based dose calculation algorithm for inhomogeneity correction in dose calculation as per the AAPM TG-186 recommendations.

5. Applicators for HDR Unit

- 5.1 Supply the standard accessories for the application of intracavitary, intraluminal, interstitial brachytherapy of cervix, vagina, rectum and head and neck, esophagus, breast and prostate applications. Applicators to be provided for;
- 5.2 Gynaecological applicator Fletcher-Suit type – 6 sets
- 5.3 Gynaecological application templates -2 set each (2 sets Syed-Neblet and 2 Sets of MUPIT with all required accessories)
- 5.4 Perineal Template for prostate brachytherapy - 2 sets Syed-Neblet
- 5.5 CT / MRI compatible gynaecological Fletcher-Suit type applicators – 2 sets
- 5.6 Vaginal / Rectal applicator – 6 sets
- 5.7 Esophagus applicator – 2 sets
- 5.8 Breast interstitial template set – 2 sets
- 5.9 Surface mould – 5 sets for IOHDR applications (Freiberg applicators)
- 5.10 All kinds of x-ray dummy markers (two sets) for the applicators supplied (wherever relevant). Interstitial implant plastic tubes – total 1000 numbers and Interstitial implant plastic needles- total 50 numbers and interstitial implant stainless steel needles -20numbers.
- 5.11 Vienna Applicator or its equivalent for combined interstitial and intracavitary application-2 sets (MR Compatible)
- 5.12 Balloon based Breast applicator-total 5 numbers.
- 5.13 Implantable seed marker system for brachytherapy planning – 1 No.
- 5.14 Provide the catalogues of the all the applicators. All the guide-tubes must be functional for 5 years.
- 5.15. Vendor should provide **one extra treatment control console system** which will be compatible with offered HDR treatment machine for the purpose of performing intraoperative HDR brachytherapy treatment.
- 5.16. Vendor should quote treatment planning system for **intraoperative real-time ultrasound** guided prostate brachytherapy treatment including inverse planning capability.
- 5.17. Vendor should quote an ultrasound system for performing of intraoperative real-time ultrasound guided prostate brachytherapy treatment along with compatible probes.(Probes for Prostrate , breast and abdomen)
- 5.17. Vendor should provide extra one sets of transfer tubes for Gynecological applicator Fletcher-Suit type.
- 5.18 Vendor shall provide one table top compatible to brachytherapy table and CT Simulator table with fixing mechanism along with trolley.
- 6. Radiation Dosimetric, Quality Assurance (QA) and Safety System/Tools**
- 6.1 Quote necessary QA tools and radiation monitoring and measuring instrument being supplied with the unit.
- 6.2 Emergency container/ source container as per AERB norms
- 6.3 Brachy treatment table with all accessories (Motorized/Hydraulic locking clamp mounting and Lithotomy position support)
- 6.4 Source position simulator and source check ruler
- 6.5 Two online UPS with 45 min backup for total system (HDR machine and TPS)
- 6.6 Closed Circuit TV systems along with standby camera
- 6.7 X-ray reconstruction jig.
- 6.8 X-ray marker wire for all applicators.
- 6.9 Well-type chamber with electrometer and valid calibration certificate shall be provided.
- 6.10. Vendor should provide the Last-man-out switch (LMOS) for offered HDR machine as acceptable by AERB
- 6.11. Gamma Zone (Area) Monitors, Survey meter & Contamination Monitor :**
One Gamma-Zone (Area) Monitor is used for radiation area monitoring around the interior walls of brachytherapy equipment. Gamma-Zone (Area) Monitors shall be able to measure and monitor

x-rays and gamma rays (dose/dose rates) of varying energy levels in minimum possible timeframe. System should have capability of warning alarm condition whenever the emergency exposure is in the treatment room. The measurement range: 0.1mR/h to 100mR/h and display units: μ R/h, mR/h, μ Sv/h, mSv/h. The detector shall be of GM based. Specify the details of the offer system. One international standard imported G.M. counter based surveymeter and One international standard imported contamination monitor shall be provided.

6.12 Two-way communication between Patient & Console should be provided as standard.

6.13. Rectal Marker 2 nos and 500 nos. fiducial markers (ROB) and 200 MRI compatible markers

6.14. Stand-alone Room Dehumidifiers of adequate capacity for HDR BRACHYTHERAPY SYSTEM Room, Console Room and TPS Room to be provided to ensure condensation free atmosphere for the high value equipment.

7. Equipment Warranty and Service:

7.1. The vendor must quote for five years comprehensive warranty (including all spares and labour). The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. The vendors must submit their quote (Rate) also for subsequent five years comprehensive AMC (including all Spares and labor) in the price bid, failure to comply this condition will entail the rejection of the bids.

7.2. Five years warranty to be commenced from first patient treated as per AERB norms.

7.3 CMC year-wise for quoted machines, UPS, Battery, consumables necessary for running machine and other accessories for next 5 years after warranty

7.4 Spare parts should be available for minimum of 10 years.

7.5 **Source:** (i) minimum 15 sources (Ir-192 source) should be offered for 5 years period (one source in every four months interval or as and when required) to maintain HDR treatment delivery. The 15 sources cost should be quoted separately and this will be considered for L1 calculation. Loading of new source and unloading of the decayed source, source transportation, source export and disposal will be part of the offer.

7.6 Quote the rates of consumables recommended valid for 5 years block.

8. Staff Training and Manual/documentations

8.1 Training should be provided to one Radiation Oncologist and one Medical Physicist for one week in the centre of excellence in abroad and also on-site training of two week to staff of department.

8.2 User / Technical / Maintenance manuals to be supplied in English

8.3 Certificate of calibration and service inspection should be provided.

9. National Regulatory Body and Radiation Safety and Protection Requirement:

The vendors should visit the site and user department to get the Plan Layout and should facilitate and coordinate with user department in communicating with AERB in providing all required information pertaining to radiation safety compliance of the concerned equipment till the clinical commissioning process of first patient treatment commencement.

SITE MODIFICATION:

Scope of Work for Site Modification:

General Requirements

1. The Supplier should inspect the proposed site offered by the Consignee, wherein the HDR BRACHYTHERAPY SYSTEM has to be installed. They are required to submit the plan for the project. The scope of work includes complete Electrical, Wall finishing, Airconditioning, Flooring for the proper functioning of the HDR BRACHYTHERAPY SYSTEM. The supplier shall assist the user by providing necessary documentations/technical data for regulatory clearances and approvals from AERB.

2. The cost of the site modification work should be quoted separately and this cost will be considered for L1 calculation.

3. Vendor will have to quote Unit Rates of the following components of Site Modification work.

- i. Electrical work
- ii. Air conditioning (HVAC)
- iii. Flooring
- iv. Wall Finishing & Painting
- v. False Ceiling

4. The payment for site modification work shall be based on the Unit Price quoted by the supplier applied to the actual measurement of Site Modification work executed at the supplier at the site.

5. Bidder should clearly mention break up price of each component of Site Modification work separately.

6. The system should be installed and handed over in working condition with all necessary electrical, wall finishing, air conditioning, flooring and plumbing work undertaken by the vendor in consultation with the user dept.

7. Rate quoted for Site modification work, Furniture like desks, chairs, shelves etc; and the price quoted for 7 TR HVAC is included for L1 calculation of the bids.

8. The HDR BRACHYTHERAPY CENTRE shall consist of the following rooms: a) HDR BRACHYTHERAPY Treatment Room b) Console room

9. The supplier shall be required to specify the total load requirements for the HDR BRACHYTHERAPY centre including the load of air conditioning, room lighting and for the accessories if any. The supply line will be provided by the Institute up to one point within the HDR BRACHYTHERAPY centre. The mains panel and distribution panel for HDR BRACHYTHERAPY SYSTEM, HVAC, and LIGHTING should be provided by the supplier. Few lights in HDR BRACHYTHERAPY SYSTEM, CONSOLE ROOMS, UPS ROOM shall be connected to the UPS to provide emergency lighting.

10. The bidder may quote the unit rates of any other site modification work activity which is not mentioned in the list below.

THE ELECTRICAL WORKS:

1. Wiring – All interior electrical wiring with main distribution panel board, necessary MCBs, DB, joint box, switch box etc. the wires shall be of copper of different capacity as per the load and should be renowned make.

2. All necessary cabling like LAN, DICOM & PACS for data interface between TPS and HDR BRACHYTHERAPY SYSTEM; CT-SIMULATOR, LINAC TPS & HDR BRACHYTHERAPY SYSTEM should be provided with adequate number of terminals.

3. All the internal wiring including that of telephone, LAN, DICOM & PACS etc will be concealed variety.

4. Switches light and power points should be of modular type and of standard make as listed below.

5. General lights – Ceiling mounted LED lighting panels, recessed 600 x 600mm, should be provided. Light dimming facility should be provided wherever it is necessary.

6. All wires used must be FRLS (Fire Retardant with low smoke) type only.

7. Earthing: Double earthing with copper plate shall be provided for the HDR Brachytherapy and all accessories like UPS. The earthing cable/wire shall be routed end-to-end through an insulated conduit.

AIR CONDITIONING WORKS:

The area marked for Site Modification work needs to be air-conditioned. Package Air Conditioners may be used according to room requirement and suitability. Humidity control should be provided to effectively eliminate moisture condensation on the equipment. The Air conditioning system should be designed with standby unit(s) to provide uniform air-conditioning 24 x 7.

Environment specifications:

1. Humidity range: Relative humidity 60% and 80% in all areas except equipment room which shall be as per requirement of the equipment.
2. Temperature ranges: $22 \pm 2^{\circ}$ C in all areas throughout the year, except equipment room which shall be as per requirement of the equipment.
3. Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the supplier.

FLOORING WORKS:

1. "600x600 mm vitrified tiles with 100mm matching tile skirting in HDR BRACHYTHERAPY SYSTEM Room & Console Room.

Note: Providing and laying approved quality, colour, design and shade fully homogeneous 600 x 600 mm (thickness to be specified by the manufacturer) Vitrified tile flooring (Marbonite or Granamite, confirming to IS code 15622 with water absorption less than 0.08%) flooring in pattern as detailed in drawing or as directed by the institute and grouted with matching colour approved quality readymade grout, curing, cleaning etc to required line level etc. all complete at all leads, lifts and heights to the entire satisfaction of the institute. Providing and fixing 2-3mm thick POP protection over polythene covering sheet to flooring areas till handed over and cleaning, etc all complete as per drawings & Specification."

2. Floor levelling if required to be done by supplier. All installation related floor modification non-structural) like Turntable pit, trench etc to be done by supplier.

3. The HDR BRACHYTHERAPY SYSTEM room, Console Room will be made rodent /pest proof.

4. Mode of measurement (finished surface area of the tiles shall be measured and paid. Rate shall be inclusive of providing and laying leveling course, PVC spacers, providing and applying epoxy grout and no additional payment shall be made for wastage.

WALL FINISHING & PAINTING

1. Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in all areas not covered by wall tiles. Colour to be approved by institute.

2. Wall Tiles-High quality density Vitrified Tiles clad on the side walls up to a uniform height of 1200 mm in all rooms; except UPS & equipment rooms. Colour to be approved by institute. Note: Providing all tools, tackles, materials, manpower for applying plastic enamel paint over

3. Coats of wall putty including primer in all areas, of approved brand and manufacture and approved shade finished with roller to wall & ceilings surfaces, in 2 coats over a coat of approved quality primer on the plastered/POP surface, POP board/Gypsum board surfaces including scaffolding, preparation of surface, sanding, light sanding, work platform, painting equipment/apparatus etc. required to complete interior grade finish etc. at all heights & levels complete as per drawings & Specifications.

FALSE CEILING

1. Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. To be finished with white paint or powder coated with white paint, if metallic. The false ceiling panels should be of reputed brands.

MISCELLANEOUS:

1. The HDR BRACHYTHERAPY SYSTEM room shall be provided with wall-mounted storage cupboards within HDR BRACHYTHERAPY SYSTEM room; to store: Dosimetry & QA Items, HDR BRACHYTHERAPY SYSTEM accessories.

2. Sufficient number of Open Racks of high Quality vendors should be provided to house the immobilization materials; within HDR BRACHYTHERAPY SYSTEM room

3. TPS room should be provided with LED X-ray film viewer with adjustable brightness; capable of holding 3 films of 14"x17" size-2 nos.

4. The CONSOLE room shall be provided with Wall mounted Storage cupboards with MDF laminate shutters; to be fixed on the wall above the workstation (approx 1800 mm length; 750 mm height; 300 mm depth).

FURNITURE:

1. Revolving chairs height adjustable, medium-back with hand-rest for Control room, TPS room
- 12 Nos.

2. "Workstation/Tables for Console room & TPS room: The Console room and TPS room should be provided with suitable workstations(s) of reputed brand, to accommodate the various Terminals in Console Room, TPS Room. The Workstation shall be providing with enough power sockets, LAN sockets etc. to enable smooth functioning of the HDR BRACHYTHERAPY SYSTEM and TPS."

3. Bookshelves: Four-door bookcase with glass doors, height approx.. 1700 mm; to store manuals; CD/DVDs, spares etc-4 Nos.

4. Shoes Rack - 2 Nos.

Price Guarantee: The supplier shall also give a commitment that the price quoted for the equipment in the tender is the minimum price quoted to any institution in the country for similar terms & conditions; whether Government, semi-Government, autonomous or non-Government; in the recent times (preceding six months) and shall remain so for at least the next six months subject to variations in the foreign exchange rates, if applicable.

2. ABG ANALYSER

1. Measured parameters:
 - a. Routine parameters: Ph, Pco₂, Po₂, Cl, Na, K, Ca, Hb, glucose, lactate.
 - b. Special parameters: SaO₂ with co-oximetry
 - c. Calculated parameters: Std. Ph, Pco₂, Po₂, HCO₃, O₂ Sat, BE, BE_{ecf}, BB, O₂ content, TCO₂.
2. Sample size: up to 250ul
3. Throughput: approx. 30 samples /hr for all parameters.
4. Printer: Suitable in-built printer
5. Calibration: Automatic in cycle system. Provision for QC facility should be available.
6. Display: Digital display on the screen
7. Electrodes: Maintenance free/low maintenance. Free replacement of all electrodes/membranes (free of cost) should be included in the warranty period. Electrodes should be individually replaced (and not as single pack /cassette /cartridge together).
8. Memory: More than 500 patients memory
9. Should be US FDA approved.
10. Manufacturer must be manufacturing reagents/kits needed for the machine.
11. The firm should quote the prices of all consumables and the prices will be frozen for five yrs.
12. The system must be supplied with necessary pre-requisites and start up kits for installation and training free of cost with required calibrators, controls & other liquid consumables for 3 months @ 30 samples/day each instruments for all the routine parameters such as p H , pco₂.
13. Calibrators for all the above tests in suitable volume for above mentioned workload, controls for all the above tests (normal & abnormal) in suitable volume for above mentioned workload & any other liquid consumables must also be provided for 3 mths.
14. The bidder must quote the prices of other consumables required for special parameters (apart from the routine parameters mentioned) and these prices will be frozen for 5 yrs.
15. Any consumable not quoted in this table but essential for performing the above listed tests shall have to be supplied free of cost by the entire workload during validity of the contract.
16. Five yrs warranty & 5 yrs post warranty CMC should be provided.
17. Onsite training of doctors/technicians/staff to be provided.

3. ANAESTHESIA WORKSTATION

Compact three gas Anaesthesia Workstation with an integrated ventilator for infants/pediatric to adult patient. Airway monitor and Anaesthesia Monitor with the single power switch for the Work Station.

The quoted model of Anaesthesia Work Station should confirm US FDA approval.

Technical Details

1. Anaesthesia machine constructed from welded tubular/epoxy powder painted steel
2. Stainless steel top, a work surface, at least two lockable drawers & electrical outlets to be provided
3. Should have large castor wheel with foot brake
4. The Anaesthesia system should have an inbuilt at least 90 minutes battery backup for Anaesthesia Machine, Ventilator, Multi para Monitor & Gas Delivery System.
5. The Anaesthesia System should have an integrated passive scavenging system with pressure relief valve.
6. In case of electricity & battery failure, manual ventilation, gas & agent delivery should be possible
7. Gas Delivery System:
 - a. Should have Pin index yokes for one oxygen & one nitrous oxide cylinders besides separate pipe and adapter connection for central gas supply for oxygen, nitrous oxide & air
 - b. The machine should separate colour coded pressure gauges for cylinders & central supply lines mounted on front of the Anaesthesia machine for better visibility
 - c. The gas connection should be non interchangeable
 - d. Provision of alarm should be there, both audio visual for failure of oxygen supply, decrease in oxygen pressure(2 litre), decrease in nitrous oxide pressure, circuit disconnection, low battery, low drive gas pressure, high airway pressure, machine failure. Presence of anti -volutrauma and anti-barotrauma devices are preferable
 - e. Dual cascaded flow meter for oxygen, nitrous oxide & single for compressed air, accurately calibrated with an accuracy of +2.5% & range of at least 10 litre per minute
 - f. Emergency oxygen flow of at least 35-70 litre per minute bypassing the vaporizer with non lockable push button to be provided
 - g. Having mechanical hypoxic guard with automatic cut off of nitrous oxide. There should be oxygen flow of at least 200ml, even below total 500 ml fresh gas flow with 23% oxygen concentration
 - h. Facility of delivery basal flow of oxygen without switching on the machine & at Stand By mode
 - i. Anaesthesia machine should have auxiliary common gas outlet at eye level and compatible with open circuit if needed
 - j. There should be provision for a single pneumatic/ electrical on- off switch to switch from mechanical to manual mode and also to activate gas flow and vaporization
8. Flow meter
 - a. Dual cascade type flow meter tubes for oxygen, nitrous oxide and single tube for Air with back light
 - b. Electronic setting & digital display of oxygen, nitrous oxide & air

9. Vaporizer

- a. Machine should have provision to mount two quick mount type vaporizer for easy interchangeability
- b. The vaporizer should be selectate c type with tool free installation , manifold interlocks, vaporizer mounting should be compatible for Tec 5, Tec 6 plus & Tec 7 vaporizers.
- c. The vaporizer designs should be maintenance free & should not require calibration for lifetime.
- d. Vaporizer should have delivery range of 0 to 6 volume percent
- e. Agent capacity should be minimum 225 ml of free volatile Anaesthetic agent
- f. Anaesthesia machine should be provided with one Isoflurane and one Sevoflurane vaporizers
- g. All sensor connection shall be internal to help prevent disconnection

10. Breathing System

- a. Should have fresh gas de-coupled, fully auto-clavable, semi -closed circle absorber system
- b. Should have adjustable pressure relief valve from 5 to 75 mbar.
- c. Should have change over from spontaneous to bag ventilation with single step.
- d. The work station should be supplied with at least two sets of closed circuit, system for adult & paediatric patients each
- e. Work station should be supplied with at least ten sets of Bain's circuit, five sets of Ayre's T piece with Jackson Rees modification with face masks of all sizes(size1- size 4)
- f. Should be integrally fitted with at least 1.5 litre capacity reversible canisters, double chamber type of CO₂ absorber system having provision to bypass. Canisters should be allowed to be removed without introducing system leaks
- g. Should not require tools when dismantled for cleaning & sterilization
- h. The unit should have a bag arm with height & positional adjustment
- i. All parts of the breathing system that are in contact in patient should be latex free and auto- clavable
- j. Should have an external fresh gas outlet for connecting Magill/ Bain's/ Paediatric circuit
- k. Machine must be operational with circle system without the need of any specialised external spirometry tubing or proprietary breathing system.
- l. The circle absorber must be compatible to the use of soda lime of any brand.

11. Anaesthesia Ventilator

- a. Electronically controlled pneumatically/ electrically driven integrated Anaesthesia ventilator, should not require change of bellows for adults & infants with integrated PEEP
- b. Ventilator should automatically compensate for fresh gas by adjusting fresh gas flows for changes in fresh gas flow, small system leak changing lung compliance or compression losses.
- c. Facility to change I:E ratio should be provided

- d. Alarm setting should be available for low & high tidal volume, minute volume, airway pressure, apnoea, inspired oxygen. Alarm silence countdown timer should be 120 to 0 second.
- e. Modes- volume control, pressure control, pressure support, SIMV- PS, manual, spontaneous
- f. Tidal volume- 20 to 140 ml
- g. PEEP – 0 to 20 mbar
- h. Breathing frequency – upto 60 bpm
- i. I:E ratio – 4:1 to 1:4
- j. Inspiratory pause – 0 to 50% of TI
- k. Should be able to ventilate with atmospheric air, in case of missing gases

12. Airway Monitoring

- a. Monitor should be with multi-parameter module with minimum 15 inches colour TFT display with 8 channels
- b. The monitor should not require any lengthy start-up procedure or calibration. It should be ready to monitor as soon as On/Off switch is pressed
- c. Should have 24 hours graphical & numeric trend with split screen facility of all parameters with at least 15 critical alarms summary.
- d. Should be able to monitor & display all parameter in a single screen
- e. Integrated monitor for electronic monitoring & display: Expiratory tidal volume, Expiratory minute volume, PEEP, peak, mean & plateau airway pressure, frequency, waveform display for airway pressure & FiO₂ monitoring

13. Alarm Limits & Alarms

Adjustable high –low limits with audio-visual alarms for tidal volume, minute volume, airway pressure (including stenosis & disconnect), inspiratory o₂ concentration, audio power supply fail alarm, apnoea alarm

14. Patient Monitor :

These should be integrated, screen size minimum 12 inches or more. It should be modular for easy up gradation, high resolution colour TFT & CD display, should be capable of monitoring the following parameters

- a. ECG: leads 3 to 5, provision of 12 lead ECG along with printout facility, protection from interference of electrosurgical apparatus, waveform, ECG or SpO₂ selectable, arrhythmia detection, heart rate detection from ECG/ pulse auto change
- b. NIBP : Range pediatric/ adult, modes: auto/ manual numeric display: systolic, diastolic, mean should be supplied with proper size 5 cuffs each for pediatric, adults (arm & thigh cuffs) & extra large for obese patients
- c. SpO₂: Range from 0 to 100% (accuracy +/- 2%), sensitivity should be good, waveform: ECG or SpO₂ selectable/ auto change, should be supplied with proper probe (10 inch for, pediatric and adult patients)
- d. IBP : provision of two simultaneous measurement of IBP. Display waveform & numeric, 50 universal transducer sets to be supplied
- e. Temperature: Dual temperature monitoring(core & skin) with sensor cable and probes

- f. etCO₂: Infrared side stream analyser for CO₂, capable of monitoring of etCO₂ of intubated patient, Display: waveform & digital. Range: 0 to 15 volume percent or 0 to 15 KPa or 0 to 113 mm of Hg
 - g. Anaesthetic agent monitoring: There should be provision for automatic agent analysis for N₂O, MAC value of anaesthetic agents
 - h. Anaesthesia depth monitoring: should be provided with for BIS/ Entropy (SE, RE)
 - i. Alarm: Asystole, arrhythmia, leads off, spo₂ probe disconnection, BP cuff occlusion, apnoea, etCO₂ alarm
 - j. Neuro muscular transmission monitoring with required accessories for 50 patients
-
- A. There should be provision of up gradation of version and availability of spare parts should be there for at least next 10 years
 - B. Warranty for complete machine and spare parts should be for 5 years and approximate running cost of machine per year to be mentioned
 - C. Approximate time limit for supply of spare parts after placement of order to be mentioned
 - D. Company should provide the UPS for supporting machine.
 - E. List of consumables with unit rate and frequency of replacement should be mentioned.
 - F. Manufacturer should provide documents mentioning yearly turnover of company in rupees
 - G. Certification of machine, ventilator and monitor should be from FDA
 - H. The company should have an authorized service station in Kolkata.

4. DEFIBRILLATOR

1. Operational Requirements

- i) Defibrillator should be biphasic, light wt & latest model.
- ii) Should monitor & display vital parameters.
- iii) Should print ECG on thermal recorders.
- iv) Should work on Manual & Automated External Defibrillation mode. Manual selection up to 270 J.
- iv) Should be capable of doing synchronised and asynchronised cardio version.
- v) Can be operated from mains as well as battery.
- vi) Should have defibrillator testing facility.
- vii) Demonstration of the equipment is must.

2. Technical Specifications

1. Should be allow energy biphasic defibrillator monitor with recorder having capability to arrest all arrhythmia within max energy of 360J.
2. Should monitor ECG with paddles, pads and monitoring electrode and defibrillate through pads and paddles.
3. Must have facility for external cardiac pacing
4. Should have automatic lead switching to see patient`s ECG through paddles or pads.
5. Should measure & compensate chest impedance for a range of 250-150 ohms.
6. Should have a built in 50 mm strip printer/thermal recorder.
7. Charging time of less than 3 secs for maximum energy & charging indicator should be there.
8. Bright electroluminescent display for viewing messages & ECG wave forms for 4 secs.
9. Should have external & internal paddles with paddle contact indicator
10. Single adult & paediatric paddle should be available.
11. Event summary facility for recording & printing of at least 250 events & 50 waveforms is must.
12. Should be capable of printing records on event summary, configuration, self test & battery capacity
13. Facility for self test/cheque before uses & set up function.
14. SPO2 & NIBP integrated facility is a must.
15. Should be capable of delivering energy in increment of 1-2 J up to 30J & maximum 50J thereafter.
16. Should have user friendly colour coded operation.

3. System configuration, Accessories, Spares & Consumables

1. Defibrillator-01
2. Paddles Adult & Paediatric pair-each 01
3. Paddles-Internal pair 01
4. Patient cable-02
5. ECG rolls-50
6. Disposable pads-10 nos.
7. NIBP Cuff Adult medium sized-02
8. NIBP Cuff Paediatrics-02
9. NIBP Cuff Infants- 02
10. Reusable SpO2 Finger Probe –Adult-02
11. Reusable SpO2 Finger Probe- Paediatric-02
12. Complete set of ECG Leads-02
13. Disposable pacing paddle-10

4. Environmental Factors:

1. The unit shall be capable of operating continuously in ambient temperature of 10-40 deg C and relative humidity of 15-90%.

2. The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C.
3. And relative humidity of 15-90%.
4. Shall meet IEC-60601-1-2:2001 (Or Equivalent BIS). General Requirements of safety for Electromagnetic Compatibility.

5. Power Supply

1. Power input to be 220-240 V AC. 50Hz. Power cable should be fitted with Indian plug and adapter.
2. Resectable over current breaker shall be fitted for protection.
3. Should have a Rechargeable Battery capable of usage for at atleast 90 minutes or 30 discharges.

6. Standards, Safety and Training

1. Should be FDA approved product.
2. Manufacturer should have ISO certification for quality standards.
3. Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms (OR Equivalent BIS standard)
4. Drop Test With satands 1 meter drop to any edge, corner or surface.
5. Should conform to international test protocols on exposure to shock forces and to vibration forces. The standard should be documented.
6. Should meet IEC 529 Level -2 (IP2X) for enclosure protection solid foreign object ingress.
7. Should meet IEC 529 Level 3 (IP3X) (spraying water) for enclosure protection, water ingress.
8. Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/ maintenance manual.
9. List of important spare parts and accessories not included in the warranty with their part number and costing.

5. ECG Machine -6 Channel

Specification

1. ECG machine should have simultaneous 12 lead resting ECG acquisition with Measurements, Interpretation and Thrombolysis S/W with Biphasic defibrillator technology.
2. Unit should be light weight not more than 3kgs.

ECG Machine:

3. should have 3 channel recording with LCD display.
4. ECG sweep speed -25mm/s, 50mm/s
5. should have internal thermal printer
6. should have facility to enter patient data entry: name, age, height, weight, BP
7. Machine should be supplied with 10 lead patient cable and all standard accessories.

Defibrillator:

8. Defibrillation mode: AED
9. Energy settings: adults: 150-150-150 J, Paediatric 15-30-50 J
10. Charge control: Automatic if shock is recommended based on heart r rhythm.
11. Charging time from shock recommended to shock stand by: <10s
12. should have facility to store ECG events in the memory card (up to 40 ECG events).
13. should have a facility to save, validate and achieve ECG.
14. should have the facility to read defibrillation events on memory card.

6. ECG Machine - 12 Channel

COMPUTERISED MULTI-CHANNEL ECG MACHINE

1. Should have 12 channel simultaneous acquisition
2. Should have sensitivity range of 5mm/Mv,10mm/Mv,20 mm/Mv+5%
3. Should have scrolling speed of 5mm/s,10mm/s,25mm/s &50mm/s
4. Should have built in ECG interpretation module
5. Should be able to simultaneously print 6channels of ECG in real time.
6. Should have built in thermal printer to print in automatic and manual modes.
7. Should have large backlit LCD display to display 6 channels.
8. Should have built-in defibrillation protection.
9. Should have manual, automatic and continuous modes of measurement
10. Should have internal re-chargeable battery source to support continuous operation.
11. Should operate in ambient environment of temperature (10-50degreesC) & relative humidity (25-95% non condensing)
12. It should be light weight and portable unit
13. Should be supplied with standard accessories :power adaptor 1no.,patient connector cable 1no.,gel 1no., electrodes set 1no.,thermal paper rolls 2nos. For each machine.

7. Patient Warming System:

1. Servo-controlled forced-air (convective) patient warming system, using thermistors placed at hose end (hose outlet temperature monitoring system).
2. Hose end temperature range must be adjustable from 32°C / 34°C to 43°C / 44°C with increments of 1°C / 4°C.
3. Relative Average Noise Level at 1000 Hz (front and back) must be less than 45 dBA.
4. Air Flow: 55 to 86 cubic feet/min.
5. Must have air filtration system with 0.2 micron filters.
6. The warmer unit should have the system of securely mounting on any IV pole or bed rail.
7. Non-tipping mounting pole, with robust caster wheels, and wire basket to be provided with each warmer unit.
8. Twenty (20) sets of each of disposable adult lower body blanket, adult upper body blanket, adult full body blanket; and ten (10 sets) of each of disposable pediatric full body blanket, and neonatal under body blanket to be provided.
9. Operating voltage 230V, 50Hz AC with Indian type plug.
The equipment must be US FDA Certified or European CE certified with four digit notified body number certificate and certificate to be submitted.

8. ICU VENTILATOR.

GENERAL SPECIFICATIONS:

- 1.All the material/equipment should be US FDA certified
- 2.All the equipment`s power input should be 220-240 v ac,50 Hz fitted with Indian plug.

General Requirements

- 1.Should have built in touch colour screen TFT display for display of waveforms & Monitored value.
- 2.Screen should be minimum 12"inch or more.
- 3.Should have facility for invasive & non-invasive ventilation.
- 4.Microprocessor Control suitable for Paediatric and adult ventilation.
- 5.Electromagnetic Compatible Hinged arm holder to hold the circuit.
- 6.Should have inbuilt facility to upgrade with Etco₂.
- 7.Compressed air/oxygen driven.
- 8.Facility to measure & display:-
 - a) Status indicator for ventilator mode
 - b) Battery indication
 - c) Pressure Vs time Vs volume Vs time, flow Vs time 3 curves/ waveforms.
 - d) Alarm setting
9. Automatic compliance and leakage compensation for circuit & ET tube.
10. Should have facility of log book, for events & alarms with date & time.
11. Should have the following modes.
 - a) Volume and Pressure control modes
 - b) SIMV (Pressure controlled and Volume controlled) with pressure support
 - c) PEEP
 - d) Inverse Ratio ventilation
 - e) Advanced mode like Pressure Regulated volume control mode.
 - f) Airway Pressure Release ventilation
 - g) Non-invasive ventilation in all modes (BIPAP, CPAP)
12. Should have the facility for following settings:
 - a. Tidal Volume: Minimum 20ml and Maximum of 1500ml or more in Volume
control mode
 - b. PEEP up to 30cmH₂O OR MORE
 - c. Pressure support up to 35 cm H₂O.
 - d. Flow Pattern: Square, Decelerating, Sinusoidal
 - e. Respiratory Rate up to 80bpm or more
 - f. Inspiratory Plateau up to 60% of inspiratory time
 - g. SIMV rate upto 60 cycles/min
 - h. Pressure Support Slope: upto 150cmH₂O/sec.
 - i. FIO₂: 21%-100%
 - j. Inspiratory and Expiratory flow and pressure Trigger Sensitivity
 - k. Manual Cycle, Inspiratory Pause, Expiratory Pause and prolonged Expiration
13. Should be able to monitor and measure the following parameters
 - Tidal Volume
 - Plateau Pressure
 - Mean Airway Pressure
 - Peak Airway Pressure
14. Should have built-in ultrasonic nebuliser and Nebuliser assembly should be compatible with ventilator and circuit.
15. Ventilator should have facility to find lower inflection point & upper inflection point.
16. Compiled trend analysis at least for 24 hrs for all measured parameters.

17. Should have facility to measure:
 - a. Pressure/Volume loops
 - b. Flow/Volume loops
 - c. Pressure/Flow loops
18. Should display minimum four curves/graphs simultaneously on the screen.
19. Should have audio visual alarms for following parameters
 - a. FIO₂ peak inspiratory pressure –high and low
 - b. FIO₂-high and low
 - c. Respiratory rate high & low
 - d. Tidal Volume-High & low
 - e. Minute volume-high & low
 - f. Power failure
20. Should have inbuilt exhalation filter
21. Should have compatibility with existing central pipeline.
22. Humidifier
 - i) Servo controlled heated Respiratory Humidifier
 - ii) Temperature of delivered gas on LED display
 - iii) Temperature should be adjustable
 - iv) Jar should be autoclavable
23. Should have integrated compressor of same manufacturer
24. Should have internal rechargeable battery backup with at least 30 min
25. Should have ultrasonic/paramagnetic cell for O₂ analysis.
26. Should have interface facility.
27. Flow sensor should have life more than one year.
28. Expiratory unit-life should be more than 3 yrs.
29. Should be supplied with compatible UPS.
30. Should have flow sensors having long life and the company shall specify the life span and the cost of the flow sensors at the time of quoting the tender.
31. Standard accessories along with:
 - a. patient breathing circuit of silicon for adult & paediatric (reusable).
 - b. Non invasive ventilator mask reusable for adult-(three sizes) and all paediatric sizes-2 set each.
 - c. ET tube cuff pressure monitor and HME filter-10.
32. Ventilator must be operational without the need of any specialised spirometry tubing or proprietary breathing circuit.
33. Ventilator should be US FDA approved.
 34. Demonstration of quoted model is must preferable on site

9. Multipara Monitor

1. Advanced high end modular patient monitor having integrated non-invasive and invasive measurements and features suitable for paediatric and adult patients
2. Monitor must have the facility to display minimum 10 waveforms or more, along with related numerical parameters on single screen
3. Parameters: Monitor must have the facility to monitor ECG, SpO₂ (with waveform), HR (source: ECG/ SpO₂ pleth / Auto), NIBP, RR, dual temperature, IBP, CVP and ETCO₂.
4. Monitor must have facility to display 12 lead ECG
5. Monitor must have advanced arrhythmia detection and ST analysis as standard feature

6. Monitor must have the time linked review function for both graphic & tabular trends of all parameters for 48 hours. Monitor must have arrhythmia recall facility.
7. Monitor must have inbuilt rechargeable battery for minimum one hour operation for both machine & display board
8. Monitor must have inbuilt three channel thermal printer
9. Monitor must be able to connect to central monitoring station
10. Monitor must be USFDA / European CE approved
11. Each monitor to be supplied with
 - a. Three lead ECG electrode cable – Two in number, each for adult & paediatric
 - b. SpO2 probe : Two in number
 - c. NIBP cuffs for adult & paediatric : Two in number for each
 - d. Temperature probe : Two in number, skin and core
12. Each monitor must be supplied with
 - a. IBP connection cable: Two in number
 - b. IBP Disposable pressure transducers: Two in number
 - c. CVP connection cable: Two in number
 - d. CVP Disposable pressure transducers: Two in number
 - e. etCO2 sampling line : Two in number
 - f. CNS 21" LED to be provided with one laser printer and one 21" slave monitor
 - g. Cabling has to be done by bidder in the ITU
 - h. One CNS with eight monitors
13. One module each for IBP, CVP, etCO2 must be provided for two monitors each
14. User and service manual must be in English
15. Average life span of SpO2 probe, battery of monitor for working duration 24 hours×7 days should be mentioned
16. Average life span of SPO2 probe, battery of monitor for working duration 24x7 days, ETCO2 sample line to be mentioned.
17. Service centre should be in Kolkata.
18. Wall mounting bracket with flexible arm to be provided by company.

10. Paediatric Flexible Video Bronchoscope

Specifications:

I - Therapeutic Paediatric Bronchovideoscope :Should have following specifications :

- Slimmer, Lighter and possess high resolution image quality.
- Fully immersible in disinfectant solution.
- Compatible with leakage testing device with its air flow and pressure regulation through light source's air pump.

Field of view	:	110degree or more
Direction of view	:	0 degree, forward viewing
Depth of field	:	2 to 50 mm or better
Distal end outer diameter	:	3.2 – 4.2 mm
Insertion tube outer diameter	:	3.0 – 4.1 mm
Tip Bending rage	:	Up 210deg, Down 130
Working length	:	600 mm or more
Instrument Channel inner diameter	:	2.0mm
NBI (Narrow Band Imaging)	:	Should be available

Should have all accessories like

1 Mini Cytology Brushes (1mm and 2mm)	01 each
2 Mini Biopsy Forceps with ratchet tooth	01 no.
3 Three Prong Grasping Forceps	01 no.
4 Grasping Baskets (OW-14mm; 11mm & 9mm)	01 each
6 Foreign Body Removal Snare	02 nos.
8 Cleaning Brush for Biopsy port, Suction Cyli	02 nos.

II - Above Quoted scope should be supplied with compatible VIDEO PROCESSOR AND LIGHT SOURCE with NBI

- High End Video Processor
- Light Source Unit with NBI
- Medical Grade Monitor (21" and/or above)

III-OTHER

1. Should be supplied with suitable trolley
2. Trolley should have at least 5 power sockets to connect the processor, monitor etc.

IV – OTHER OPTIONS

- The device should be USFDA approved and European CE certified (both Certificates are mandatory) Copy of the certificate / test report shall be produced along with the technical bid.
- All products should be from same manufacturer
- Should have installation of same product base in reputed Govt Institutes
- Should have a service facility in Kolkata, West Bengal
- Should provide 5 years warranty with AMC & CAMC rate for another 5 years after completion the warranty.

11. Portable Ultrasound Technical Specifications

1. Fully digital portable ultrasound machine with provision for Doppler examinations.
2. The unit should have a laptop type console design.
3. The unit should be compact, lightweight and portable. Weight should not exceed 7kg including battery (excluding cart and accessories).
4. It should be suitable for regional anesthesia, abdominal, small parts and vascular applications in adults and paediatric patients.
5. Multiple preloaded as well as user configurable application presets should be available.
6. Minimum grey scale resolution to be 256 with 1024 or more digital processing channels.
7. Maximum scanning depth to be 30 cm or more.
8. The system to have a dynamic range of 165 decibels or more.

9. The system should support Convex and Linear probes.
10. Transducers (one each):
 - a) Curved transducer: 2 - 6 MHz
 - b) Linear transducer: 5 - 13MHz for vascular and small part imaging.
 - c) Phased: 1-6 MHz
11. All transducers should be lightweight digital phased array broadband type transducers with at least 1024 elements.
12. The system should have a frame rate of at least 600 frames per second (fps) in B mode and more than 300 fps in /Colour mode.
13. The system should have an ergonomic full alphanumeric soft keys keyboard with easy access scans controls and trackball. Provision for attaching an external keyboard and mouse should be present.
14. The System must have integrated high resolution TFT/LCD/Single monitor of 15 Inches or more.
15. The system should have cine loop review facility of not less than 60 sec/1000 frames.
16. System should have 500 GB or higher capacity internal HDD.
17. The system should have the facility of digital storage and retrieval of B/W and color image data on built in CD/DVD Drive. Provision for USB port and LAN transfer of data should also be present.
18. Imaging modes of Real time 2D, Color Doppler, Pulsed wave Doppler and Power (energy) Doppler should be available.
19. Controls for 2D mode: Total gain, depth, TCG, dynamic range, acoustic power output.
20. Controls for Color Doppler: PRF, color gain, position and size of ROI, steering of ROI, color maps and color invert.
21. Controls for pulsed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert, duplex on/off.
22. Measurements for 2D mode: Multiple distances, area and volume.
23. Measurements for Doppler modes: Stenos is quantification in area percentage, diameter, PSV, EDV, mean, PI, RI, acceleration time and index.
24. Automatic and manual measurements and display of pulsed Doppler calculations should be possible.
25. Facility for storage on CDR should be available.
26. Unit should function with 200 - 240 V, 50 Hz AC, 5 amp power outlet.
27. Power requirement to be specified.
28. In built Li-ion battery backup should be at least one hour or more.
29. Essential accessories: online UPS, mobile cart with transducer holder, jelly bottle holder.
30. The unit offered must be sturdy and should be able to withstand accidental hits and falls during transportation.
31. Needle guide kit to be provided with each probe
The equipment must be US FDA Certified or European CE certified with four digit notified body number certificate and certificate to be submitted.

12. PULSE OXIMETER

Functional Requirement

Continuously capable of displaying oxygen saturation in real time using an external probe on skin. Should have reusable ,sterilisable (using medical grade disinfectant) robust probe which can be easily connected & disconnected.

Should operate from main voltage or from internal rechargeable battery.

Technical Characteristics

- a) SPO2 measurement range at least 20-70 and 70-99%, minimum gradation 1%.

- b) Accuracy of SPO2 better than $\pm 1\%$ for range 20-70 and better than $\pm 3\%$ for range 70-99.
- c) Pulse rate range at least 30 to 240 bpm, minimum gradation 1 bpm.
- d) Accuracy of pulse rate better than ± 5 bpm.
- e) Signal strength or quality to be visually displayed.
- f) Audio-visual alarms required high & low SPO2 and pulse rate (operator variable settings), sensor disconnected, sensor failure, low battery.
- g) TFT screen size 5" or more.
- e) Plethysmograph display is mandatory,
- f) Should have minimum 24 hrs trend memory for SPO2 & PR.
- g) Should have easily accessible touch button & dial/touch screen to operate the machine.
- h) Weight should be less than 5 kg. Case is to be hard & splash proof. Display must allow easy viewing in all ambient light levels.
- i) Noise should be < 50 Dba.
- j) Voltage (value, ac or Dc, monophasic or triphasic) 220 to 240 V, 50Hz
- k) Internal replaceable rechargeable battery allows operation for at least four hrs in event of power failure. Battery charger to be integral to mains power supply & to charge battery during mains power operation unit.
- l) Power consumption to be 50-100W. Mains supply cable to be at least 3m in length.

Accessories, Spare parts & Consumables

Accessories (mandatory, standard, optional):

- i) Reusable probes each for adult, pediatric & infant use, one number each
- ii) Y probes with clips for infant use & forehead spo2 sensor for detection of low saturation level ($< 70\%$) / lex probe with the provision of fixation, one number each for reusable type

Spare parts :

Two sets of spare fuses (if non re-settable fuses used)

Environmental consideration:

Capable of operating continuously in ambient temperature of $0-50^{\circ}\text{C}$ & relative humidity of 15-90 % in ideal circumstances

User's care, cleaning, disinfection & sterility: Cleanable with alcohol or chlorine wipes

Standards & safety

Should be US-FDA approved

Advanced maintenance task required shall be documented

Warranty of 5 years with free servicing (min 5 during warranty)

The spare price list of all spares & accessories (including minor) required for maintenance & repair in future after warranty period should be attached

The Operating manual, Service manual, other manuals

The user & maintenance manuals to be supplied in English

Certificate of calibration & inspection to be provided

Service Centre should be in Kolkata

Any recommendation for use & supplementary warning for safety should be declared.

13. Rigid Video Laryngoscope Specifications.

Key Features:

1. Patient Types: Weight: 500 grams to morbidly obese
2. Blade Sizes (#): 0, 1, 2, 2.5, 3, 4
3. High resolution Digital display with Anti-fogging Mechanism

4. Monitor: Digital with Anti-reflective Screen , colour Projector Capability& Integrated Recording transfers to EHR Via USB Recording
5. Memory: 1 hour of video (Approx. 40 intubations) before downloading
6. Onboard Video Tutorial via In Service CD
7. Available Configurations: Choice of mobile stand or IV
8. Power/Battery: Battery Type: 7.2V 2200mAh Li Ion with Average Battery Life: 90 minutes & Overall Lifespan: 2-3 years, approx 500 charge cycles
9. Dimensions:
 - Monitor: TFT Colour, VGA 640x480
 - Unit: Height 190mm, Width 225mm, Depth 80mm, Weight 1kg
 - 3-4 Video Baton: Length of flexible baton: 106 mm, Height at camera: 11 mm, Width at camera: 11 mm, Video cable length: 96 cm, Weight: 150 g
 - 1-2 Video Baton: Length of flexible baton: 66 mm, Height at camera: 6 mm, Width at camera: 7 mm, Video cable length: 97 cm Weight: 100 g,
 - Mobile Stand: Height 12.5 cm, Weight 2.5 kg, Pole Height 75 - 119 cm, Pole Weight 0.7 kg,
 - IV Pole: Weight 0.9kg, Arm Length 27cm, Width 6.2cm
10. Operating Conditions: Temperature: 10° to 40 °C (50° to 104° F), Humidity: 0 to 95%, Atmospheric Pressure: 440–1060 hPa
11. Cleaning: Cleaning Instructions should be mentioned in the Manual
12. Storage Conditions: Temperature: -20° to 45° C (-4° to 113° F), Humidity: 0 to 95%, Atmospheric Pressure: 440–1060 hPa
13. Warranty: With Purchase: 1 Year & Additional years with purchase
14. Standards & Approvals: US FDA / European CE with 4 digit

14. SYRINGE INFUSION PUMP

Description of Function

The syringe infusion pump provides uniform flow of fluid by precisely driving the plunger of a syringe down its barrel. It provides medication in critical medical care.

Operational Requirements

1.The syringe pump should be programmable, user friendly, safe to use and should have comprehensive battery backup and comprehensive alarm system.

Technical Specifications

1.Flow rate for 50 ml syringe should be programmable from .1 to 1000ml/hr or more in steps of 0.1ml/hr with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched off.

2.Should accept all makes of 5ml,10ml,20ml,50ml &60ml syringes

3.Manual Bolus rate should be programmable in the range of 100-1000ml/hr or more with infused volume display.

4.Reminder audio after every 0.5ml delivered bolus.

5.Display of drug name and total infused volume with a provision of memorising 10-15 names by the operator

6.Should have bright display of drug name, flow rate, battery indicator, infused volume all at a time.

7.Keep Vein Open(KVO) must be available 1.0ml/hr or set rate if lower than 1.0ml.User should have a choice to disable KVO when required.

8.Selectable Occlusion pressure trigger levels selectable from 300/500/700mmHg or higher limits.

9.Accuracy should be minimum of +/-2%or better.

10.Automatic detection of syringe size and proper fixing. Must provide alarm for wrong loading of syringe such as flanges out of slot, disengaged plunger, unsecured barrel etc.

11. Anti bolus system to reduce pressure on sudden release of obstruction.

12. Should have comprehensive alarm package including: Occlusion limit exceed alarm, near end of infusion pre-alarm & alarm, volume limit pre-alarm & alarm, KVO rate flow, Low battery pre-alarm & alarm, Occlusion pressure pre alarm & alarm, AC power failure, Drive disengaged & preventive maintenance.

13. Should have digital & analog display of occlusion pressure indicator

14. Should display remaining battery life in hrs & minutes on operating flow rate.

15. Should have Universal mounting accessory on both vertical & horizontal stand.

16. Should have facility of auto dose calculation.

System Configuration Accessories, Spares & Consumables for each pump

1. Syringe infusion pump-01

2. Mounting device/Docking Station for two or four pumps as per requirement so as to enable to power up to 2-4 pumps with one power cord when mounted on IV pole-01

Environmental factors

The unit shall be capable of operating continuously in ambient temp of 10-40deg C and relative humidity of 15-90%

Power Supply

1. Power input to be 220-240VAC, 50Hz. Power cable should be fitted with Indian plug & adapter.

2. Should have a rechargeable battery/UPS of suitable rating with voltage regulation and spike protection for 5-6 hr back up for about 5ml/hr flow rate with 50 ml syringes.

3. Resettable over current breaker shall be fitted for protection

Standards, Safety and Training

1. Should be FDA approved product.

2. Drop Test-Withstands 1 meter drop to any edge, corner or surface.

3. Should conform to international test protocols on exposure to shock forces and to vibration forces. The standard should be documented.

4. Should meet IEC 529 Level-2 (IP2X) for enclosure protection solid foreign object index

5. Should meet IEC 529 Level 3 (IP3X) (spraying water) for enclosure protection, water ingress.

6. Should have local service facility.

7. Comprehensive warranty for 5 yrs and provision of warranty for next 10 yrs.

Documentation

User & service manual in English.

List of important spare parts & accessories included in the warranty with their part number & costing

List of important spare parts & accessories not included in the warranty & their costing with their part number.

Certificate of calibration & inspection from factory.

Log book with instruction for daily, weekly, monthly & quarterly maintenance checklist.

List of equipments available for providing calibration & routine maintenance support as per manufacturer documentation in service/technical manual.

Must submit user list & performance report within last 5 yrs from major hospitals.

Compliance report to be submitted in a tabulated & point wise manner clearly mentioning the para/page no. of original catalogue/datasheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

15. VOLUMETRIC INFUSION PUMPS

1. The technology should be based upon piston type or peristaltic pumping type

2. The pump should be calibrated in ml/hr.

3. Facility of automatic error identification and rectification for perfection of infusion

4. Constant display of Set Rate, Infused volume, Volume limit, Time remaining, Bat/Lbat and

Guide menu.

5. Rate can set in volumetric :- 1ml to 300 ml/hr (normal drip set) & 0.1 ml to 1200 ml/hr (micro drip set) (Increment: 0.1ml/h)

6. Rate can set in drop :- 1 drop to 666 drop/min (normal drop) & 1 drop to 100 drop/min (micro drip set)

7. Accuracy: $\pm 5\%$

8. It should be back up with rechargeable battery of at least 60 to 90 mins

9. It should be equipped with alarms and warning buzzer.

10. It should be compatible with standard IV tubings.

11. Displayed information : Infusion rate , preset volume, Accumulated infusion volume, Bed No., battery capacity, pressure value, AC power indicator, etc.

12. Occlusion Alarm: Three levels

13. LCD: 3.0inch colour TFT LCD

14. Displayed Information: Mode. Rate. Accumulated Injection Volume, Syringe Size, Battery Capacity, Bed No., AC Power Indicator, Battery Charge Indicator

15. Air-bubble detection mechanism: ultrasound sensor

16. Drop-detection method : by infra-red beam

17. Weight: Less than 2 kg

OPERATIONAL PARAMETERS AND ELECTRICAL

- KVO: OFF; 0.1-5.0 adjustable

- Bolus rate is adjustable: 100-1200ml/h

- Alarms: visual and audible alarm .

- Alarm information : Air bubble ,completion , occlusion , infusion tube error , Drop rate error , Low battery , Battery exhausted.

POWER SUPPLY:

- AC100-240V, 50/60HZ

- Battery: Recharble Lithium Polymer battery

- Should have at least 1 hour battery back up

SAFTY SPECIFICATION

- Type of shock protection : Class II

- Water-Proof Grade : IPX21

Manuals: One set of operator & service manuals with each machine.

- Should be able to provide training of all healthcare personnel during first 1 month of installation in the group of 5 trainees per session.

FDA (USA) or CE certificate must be enclosed.

SECTION-VII

**TECHNICAL SPECIFICATIONS
GENERAL TECHNICAL SPECIFICATIONS**

GENERAL POINTS:

1. Warranty:

- a) **Five year Comprehensive site warranty** from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution/Medical College.
- b) 98% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
- c) All software updates should be provided free of cost during Warranty period.

2. After Sales Service:

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

3. Training:

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

4. Annual Comprehensive Maintenance Contract () 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 X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, **but at least once in six months during the CMC period.**
- b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- c) Cost of CMC will be added for Ranking/Evaluation purpose.
- d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5 % of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
- e) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period. For major equipment the penalty will be as under:
 - i) Liner Accelerator -Rs. 25,000/- per day, 8 hours working basis.
 - ii) Brachytherapy -Rs. 10,000/- per day, (8 hours working basis).
 - iii) CT Simulator -Rs. 10,000/- per day, (8 hours working basis).
 - iv) CT Scan, Gamma Camera -Rs. 10,000/- per day, (8 hours working basis).
 - v) MRI, PET -Rs. 15,000/- per day, (8 hours working basis).
 - vi) X-ray, MMG -Rs 2,000/- per day, (8 hours working basis).

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

Turnkey:

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

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

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

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

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

Note 3: OPTIONAL ITEMS: Deleted.

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. b skilled
- c. c unskilled

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

Bidder minimum Qualification:

1. The manufacturer or it's authorized Indian Agent has supplied similar Equipment (i.e. *MRI – MRI, CT Scanner - CT Scanner, Digital Radiography System - Digital Radiography System , Digital mammography - Digital mammography, C ARM – C ARM, Defibrillator - Defibrillator , Multipara Monitor - Multipara Monitor, Anesthesia Workstation - Anesthesia Workstation - , Ventilator - Ventilator, Radiotherapy equipment - Radiotherapy equipment, nuclear medicine - nuclear medicine etc.*) in India during last five years from the date of tender opening. In support of this, copy of latest purchase order & installation report/ service report is to be submitted with performance statement.
2. Tenderer shall submit audited balance sheets for the last three years (2013-14, 2014-15 & 2015-16). Annual Turnover statements should be certified by chartered accountant bearing their membership No.

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

Tender Reference No. : _____
 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)**	Mobile number , name & Email ID of equipment user person
				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

Note:

- 1. The purchase order mentioned in the above format only will be consider for evaluation.**
- 2. The purchase order shall be in accordance to section -IX in order to qualify the qualification criteria.**
- 3. The original copy of latest purchaser order along with End user performance certificate / installation certificate is to be colour scan and upload accordingly.**
- 4. Bidder shall provide Mobile number, email ID & name of person who has issue this End user performance certificate / installation certificate in order verify the authenticity of the same, failing which unable to verify the same from end-user and entire responsibility shall rest on bidder.**

Section – X

TENDER FORM

Date_____

To,

**Director, Chittarranjan National Cancer Institute,
Kolkata**

Ref. Your TE document No. _____ dated _____
Item no.

We, the undersigned have examined the above mentioned TE document, including all amendment/corrigendum issued till opening of bid (*if any*), the receipt of which is hereby confirmed with acceptance of all the terms & conditions of TE document including all amendment/ corrigendum issued till opening of bid. 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, warranty & CMC. 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 fully agreed to the all terms and conditions specified in above mentioned TE document, including amendment/ corrigendum issued till opening of bid and withdrawn all conditional terms if anywhere mentioned in the our bid. Whenever there is a conflict, the tender form acceptance shall prevail.

We hereby certify that all information and documents submitted by us in this tender are true to the best of our knowledge and belief and that nothing material has been concealed. We are solely responsible for its accuracy. In case, at any stage, any of the information/ document is found to be false, the Purchaser shall have full right to reject my bid/ cancel the purchase order and / or stop payment / recover the liabilities, if any from our balance payment / performance security etc.

We hereby undertake that the spares for the equipment shall be available for at least 10 years from the date of supply.

Signature:
Name
Designation
Seal :

(On the letter head of the company)

➤ **TENDER FORM shall be on the letter head of the bidder and should be as per the above format only. The original copy is to be scan & upload.**

SECTION – XI PRICE SCHEDULE

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

Item no. _____ Equipment Model no. _____
 Name of _____
 Item _____ Equipment Make _____

1	2	3	4	5					6		
Item no.	Name of item	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)					Total Bid Price inclusive of all cost warehouse to Consignee site as per scope of work mentioned in the TE document & inclusive of warranty (Rs.)		
				Ex - factory/ Ex -warehouse /Ex-showroom /Off - the shelf	GST/ Sales tax [%age & value]		Packing and Forwarding charges	Inland Transportation, Insurance for a period including 3 months beyond date of delivery, loading/ unloading		Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site	Unit Price (at Consignee Site) basis (Rs.)
					%	Amount					
(a)	(b)		(c)	(d)	(e)	(f) =a+b+c+d+e	4 x 5(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
3. Bidder shall filled all cost i.e. a,b,c... failing which it will presumed that the same is inclusive in the total price and nothing will be paid on this account extra.

Name of Bidder: _____ M/s

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

Item no. : Equipment Model no. :
 Name of Item : Equipment Make

1	2	3	4	5						6		
Item no.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Currency)						Total bid Price inclusive of all cost warehouse to Consignee site as per scope of work mentioned in the TE document & inclusive of warranty		
				FOB/FCA price at port/airport of Lading (a)	Carriage & Insurance of loading to port of destination and other incidental costs (b)	CIP (name of place /port of destination in india) (C) = a+b	#Full Custom duty with GST amount (D)	Custom charges, unloading at place/port of entry in India + local transportation and storage to the consignee site + Extended Insurance for a period including 3 months beyond date of delivery** (d)	clearance & Loading at name of entry in local and Consignee's site ** (e)			Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site ** (e)
				Quote in Foreign Currency				INR	INR	INR	(C + D) x 4	f x 4
				Name of Currency:								

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

In case of the Full Custom duty with GST amount not filled up in the above format by the tenders, it will presumed that the same is inclusive in total price and nothing will be paid extra to the supplier on this account. The custom duty with GST amount will reimbursed only as per SCC clause no.09

Total Tender price in foreign currency: _____ and INR -----
 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 destination (consignee site) in good condition as per terms including custom clearance, payment to custom duty to the custom department, insurance etc.*
4. Bidder shall filled all cost i.e. a,b,c... failing which it will presumed that the same is inclusive in the total price and nothing will be paid on this account extra.

Indian Agency Commission - ___% of FOB/FCA

Name of Bidder _____
 Address of Bidder _____

Place: _____

Date: _____

SECTION – XI PRICE SCHEDULE

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

1	2	3	4					5	6
Item no	Name of Item	Qty	Annual Comprehensive Maintenance Contract Cost included GST/ Sales tax for each Unit year wise* Rs.					Total Annual Comprehensive Maintenance Contract Cost for each unit for 5 years (Rs.)	Annual Comprehensive Maintenance Contract Cost for 5 Years included GST/ Sales tax (Rs.)
			1 st	2 nd	3 rd	4 th	5 th		
			a	b	c	d	e		

As on date GST/Sales tax included in above price @ ----- %

*** After completion of Five Years Warranty**

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. 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.
10. Bidder shall mentioned present rate of GST, failing which it will presumed that the same is inclusive in the total price and nothing will be paid on this account extra.

Name of Bidder: M/s

SECTION – XI PRICE SCHEDULE

D) PRICE SCHEDULE FOR TURNKEY

Name of item	Brief of Turnkey works BRIEF	No of Turnkey works	Turnkey cost per unit Rs.	GST/ Sales Tax /service tax		Turnkey price included GST/ Sales Tax Rs.	Total Turnkey cost included GST/ Sales Tax/ Service tax Rs.
				%	Amount Rs.		
				a	b		
			₹ 0.00	0.00%	₹ 0.00	₹ 0.00	₹ 0.00

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. 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
5. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.

Name of Bidder: M/s

Section XI - Price Schedule

E -Price Schedule for Optional items /Spare Parts/ Consumables

Sr no.	Name of item	Name of Part	Qty	Unit cost (Rs.)	GST/ Sales Tax /service tax		Unit cost included GST/ Sales Tax /service tax (Rs.) C= b+c	Total cost included GST/ Sales Tax /service tax (Rs.) C X a
					%	Amount (Rs.)		
			a	b		c		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
	Name of Bidder:		M/s					

Note : Bidder shall mentioned present rate of GST, failing which it will presumed that the same is inclusive in the total price and nothing will be paid on this account extra.

SECTION - XII

Deleted

SECTION - XIII
BANK GUARANTEE FORM FOR EMD

To,

HSCC
For & on Behalf of Director,
Chittarranjan National Cancer Institute,
Kolkata

IFB No.	BG no. with date
Name of Item	Amount Rs.
Item no.	Validity

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

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

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

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

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

(Signature of the authorised officer of the Bank)

Name and designation of the officer

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

SECTION – XIV
MANUFACTURER'S AUTHORISATION FORM

To,

HSCC
For & on Behalf
Director, Chittarranjan National Cancer Institute,
Kolkata

Dear Sirs,
Ref. Your TE document No _____, dated _____

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

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

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

Yours faithfully,

[Signature with date, name and designation]

for and on behalf of Messrs _____

[Name & address of the manufacturers]

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

2. Original letter may be sent.

Note:

- **This FORM shall be on the letter head of the manufacturing firm and duly signed and stamped by competent authority and it should be as per the above format only. The original copy is to be colour scan & upload accordingly.**
- **If bidder is self manufacturer than they will filled this form as a self manufacturer.**
- **If bidder is not self manufacturer, they get this FORM from manufacturer and submit accordingly.**
- **Official Email ID of manufacturer form issuing authority shall be provided by the bidder.**

SECTION - XV**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY**

To

**Director, Chittarranjan National Cancer Institute,
Kolkata**

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.

.....
(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**

Deleted

SECTION - XVI
CONTRACT FORM - B
CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No. _____ **dated** _____
 Between

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

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

1	2	3	4					5
Sr no.	Name of Equipment	Qty (Nos)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*. In INR					Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (a+b+c+d+e)]
			1 st	2 nd	3 rd	4 th	5 th	
			a	b	c	d	e	In INR

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

- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from _____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)
- c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for **next 5 years as** contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, _____ & _____) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.
- h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.

j) **Paying authority:** _____ (name of the consignee i.e. Hospital/ Institute
/Medical College's authorised official)

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

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

SECTION - XVII
DELIVERY / CONSIGNEE RECEIPT CERTIFICATE
(To be given by consignee's /HSCC site representative)

The following store (s) has/have been delivered at CNCI- Kolkata –Campus –II:-

- 1) Contract No. & date : _____
- 2) Supplier's Name : _____
- 3) Name of the item supplied : _____
- 4) Quantity Supplied : _____
- 5) Date of goods deliver at CNCI –Kolkata :-----
- 6) Date of goods takeover by Consignee/HSCC : _____
- 7) Signature of Consignee /HSCC : _____
- 8) Seal of the Consignee/HSCC : _____

SECTION – XVIII
Final Acceptance Certificate [Installation, commissioning & Handing over]
(To be given by consignee’s authorized representative)

The following store (s) has/have been installed & commissioned in good working satisfactory condition:

1. Contract No. & date :
2. Supplier’s Name :
3. Consignee’s Name & Address :
4. Name of the item supplied :
5. Installed Commissioned completion date :
6. Name CNCI -Kolkata Representative :
7. Signature of CNCI -Kolkata Representative :
8. Seal of the Consignee

Section - XXII

BID SUMMARY SHEET

A. If EMD/bid security in the form of Bank Guarantee:

Item no.	BG no.	Date	Amount Rs.	Name of Bank	BG Validity
15	XXXX	XX.XX.2014	XXXX	State Bank of India	XX.XX.2015

- **Name of Bank Manager who has issued BG : Ram Singh**
- **Mobile number of Bank Manager : 1234567890**
- **Email ID of Bank Manager : ram@sbi.com**

Sr. Item no	Quoted qty.	Name of Bidder	Name with full Address of Manufacture	Model no.
15	5	Rama	Sterling	124D

Signature:
Name:
Designation
Seal:

Note: Bidder Summary sheet shall be filled in all respect.

Section - XXIII

Power of Attorney

IFB No.

I -----, *Sole Proprietor' of M/s -----, or Board of Director of M/s -----* hereby authorised *Sh. -----, -----* to sign all tender documents, participate in negotiations, make correspondence and sign all documents to the client and government statutory bodies for approval take decisions.

He hereby authorized to sign and execute the agreement etc. for the works and all other documents relating to the works awarded or being executed by *M/s -----*

Signature of *Sh. -----, -----* is attested below.

Sole Proprietor/ Board of Director
Sealed

Sh. -----
Designation

- **Power of attorney is to be signed by competent authority i.e. Sole Proprietor of the firm or Board of Director of the company.**
- **The original document duly signed and stamped is to be scan & upload.**

Section - XXIV

Bidder Information

Bidder correspondence Address :

Bidder correspondence Email ID :

Bidder contact number :

Bidder contact person :

Manufacture correspondence address :

Manufacture correspondence Email ID :
(who issued Manufacture authorisation form)

Manufacture contact number :

Signature:

Name:

Designation

Seal:

Note: All above information are mandatory.

SECTION - XIX
AFFIDAVIT/UNDERTAKING

IFB No.

We have read and understood the all instructions and all terms and conditions contained in the TE document.

We are fully agree all the terms and conditions of TE document including SIT, SCC, amendment/ corrigendum, technical specification issued till opening of bid. In case, anywhere any conditional terms found in our bid, the same shall be treated as deleted/cancelled/ withdrawn from our bid. Whenever there is a conflict, the acceptance of all terms and conditions of TE document in the tender form/ bid form / affidavit shall prevail only.

We (manufacturer and /or manufacturer authorised agent) shall jointly and severally liable to perform all contractual obligations under the agreement.

We (manufacturer and /or manufacturer authorised agent) confirm that we do not stand deregistered/ banned/ blacklisted/ debarred by any Govt. Authorities in India.

We hereby confirm and certify that the prices offered by us in this tender is not higher than the prices we had offered to any other Govt. of India Organisation(s)/PSU(s) during the last one year and shall provide the justification for reasonableness of our offered price whenever asked during evaluation of our submitted bid.

We hereby certify that all information and documents submitted in this tender are true to the best of our knowledge and belief and that nothing material has been concealed/ misrepresented. We are solely responsible for its accuracy.

In case, at any stage, any of the information/ document is found to be false/ misrepresentation, we (manufacturer and /or manufacture authorised agent) shall be fully liable and the purchaser/HSCC shall have full right to reject my bid/ cancel the purchase order and / or stop payment / recover the liabilities/ loss if any, from our balance payment /EMD/ performance security etc. We are liable for any action as deemed fit by the purchaser/HSCC in addition to forfeiture of the earnest money/ performance security.

We are fully agreed all the terms and conditions of TE document including amendment/ corrigendum /technical specification issued till opening of bid. In case, anywhere any conditional terms found in our bid, the same shall be treated as deleted/cancelled/ withdrawn from our bid. Whenever there is a conflict, the acceptance of all terms and conditions of TE document in the tender form/ bid form / affidavit shall prevail only.

Signature:

Name:

Designation

Seal:

Note:

- **Original copy of Affidavit is to be submitted as instructed in the tender.**
- **The original document duly signed and stamped is to be scan & upload**
- **To be submitted on non-judicial stamp paper of Rs. 10/- duly certified by Public Notary**

Section - XXI
Consignee List

Consignee Code	Medical Institutions	Contact Address.
	Director, Chittarranjan National Cancer Institute, Kolkata	Director, Chittarranjan National Cancer Institute(CNCI, Campus -II), 37, S.P. Mukherjee Road Kolkata -700026



