NATIONAL TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF MEDICAL EQUIPMENT

FOR & ON BEHALF OF

Safderjung Hospital, New Delhi

On E-Tender Basis

HSCC/SJH/Medical Equipment/2015 Dated 10/04/2015

BY

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

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SECTION- I

NOTICE INVITING TENDERS (NIT)

For NATIONAL TENDER ENQUIRY DOCUMENT

HSCC (INDIA) LTD

(A GOVERNMENT OF INDIA ENTERPRISE)

Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) – 201 301

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SAFDERJUNG HOSPITAL & VMMC, NEW DELHI

GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HSCC/SJH/Medical Equipment/2015 **Dated 10.04.2015**

NOTICE INVITING TENDERS (NIT) - On E-TENDER BASIS

HSCC (India) Ltd. For and on behalf of Medical Superintendent, Safderjung Hospital & VMMC, New Delhi under Ministry of Health & Family Welfare, Govt. of India 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 New Emergency Block & Super-Specialty Block at Safderjung Hospital & VMMC, New Delhi**:

S. No.	Equipment Details	Qty./ Requirements	Estimated Cost (Rs.)	EMD (Rs.)
	For ICU/ Wards/ OT/ Aneasthesia/Examination			
1	Central Monitoring Station (CMS) 8 No. with Bed Side Monitors (125 No.)	For ICU (Super-Specialty Block)	4,39,00,000.00	8,78,000.00
2	Central Monitoring Station (CMS) 2 No. with Bed Side Monitors (12 Nos.)	For Heart Command Centre (Super-Specialty Block)	92,00,000.00	1,84,000.00
3	Central Monitoring Station (CMS) 2 No. with Bed Side Monitors (20 Nos.)	For Cardiology (Super-Specialty Block)	1,16,00,000.00	2,32,000.00

4	Central Monitoring Station (CMS) 5 No. with Bed Side Monitors (68 Nos.)	For ICU (Emergency Block)	3,52,00,000.00	7,04,000.00
5	ICU Ventilators	125 no. for ICU (Super-Specialty Block) + 6 no. for Heart Command Centre (Super-Specialty Block) + 10 no. for ICU (Emergency Block) =141no.	11,10,00,000.00	22,20,000.00
6	Cardiac Defibrillators	25 no. in ICU + 6 no. for Wards + 35no. for OT/Aneas. + 2nos. for Endocrinology + 20 nos. for Cardiology + 1no. for Nephrology + 5nos. for Pulmonary Medicine of Super-Specialty Block + 6nos. for ICU + 6 nos. for Wards of Emergency Block = 106no.	3,18,00,000.00	636000
7	Volumetric Infusion Pumps	125 no. in ICU + 30 no. for Wards + 6no. for Heart Command Centre + 20nos. for OT/Aneas. of Super-Specialty Block + 10nos. for ICU + 30 nos. for Wards of Emergency Block = 221 no.	88,40,000.00	176800

8	Syringe Infusion Pump	6 no. in ICU + 30 no. for Wards + 6no. for Heart Command Centre +20no. In OT/Aneas.+ 160 nos. for Cardiology + 10 no. for Nephrology of Super-Specialty Block + 10nos. for ICU + 30 nos. for Wards of Emergency Block = 272 no.	1,08,00,000.00	216000
9	Multipara Monitor	50 no. in Wards + 15 no. in OT/Aneas. + 10 no. for Neurology + 7 no. for Nephrology of Super-Specialty Block + 25nos. for Resuscitation Area + 50 nos. for Wards + 43no. For Exam. Area of Emergency Block = 200 no.	5,99,00,000.00	1198000
10	Aneasthesia workstation	20 no. in OT/Aneas + 2 no. in Cardiology of Super-Specialty Block = 22 no.	3,30,00,000.00	660000
11	Patient warming system	6 no. in OT/Aneas + 3 no. in Urology for Super-Specialty Block =9 no.	27,00,000.00	54000
12	AED (Automated External Defibrillator)	5nos. for Resuscitation Area of Emergency Block	15,00,000.00	30000

13	Rapid Infusion Pump	10 no. in Wards + 2 no. in Resuscitation + 2 no. in ICU of Emergency Block + 8 no. in OT of Super-Specialty Block = 22 no.	3,30,00,000.00	660000
14	Mobile LED Light	10 no. in ICU of Emergency Block + 20 no. in OT of Super-Specialty Block = 30 no.	1,00,00,000.00	200000
15	OT Tables	20 no. in OT of Super-Specialty Block	3,00,00,000.00	600000
16	Sternal Saw (Electric)	6 no. in Cardiac Surgery of Super-Specialty Block	12,00,000.00	24000
	For Pathology/Blood Bank/ Microbiology /Biochemistry	1		
17	Deep Freezer -80 Degree	1 no. in Blood Bank of Super-Specialty Block + 2 no. in Blood Bank + 1 no. in Pathology/ Hematology Lab. + 1 no. in Microbiology of Emergency Block = 5 no.	26,00,000.00	52000
18	Lab. Centrifuge	2 no. in Blood Bank of Super-Specialty Block + 4 no. in Blood Bank + 1 no. in Pathology/ Hematology Lab. of Emergency Block = 7 no.	3,10,000.00	6200

19	Incubator	2 no. in Blood Bank of Super-Specialty Block + 2 no. in Blood Bank + 2no. in Pathology/ Hematology Lab. of Emergency Block = 6 no.	5,00,000.00	10000
20	Micropipette Sets	2 no. in Blood Bank of Super-Specialty Block + 2 no. in Blood Bank + 1 no. in Biochemistry of Emergency Block = 5 no.	4,10,000.00	8200
21	Binocular Microscope	2 no. in Blood Bank + 1no. in Endocronology Lab. of Super-Specialty Block + 2 no. in Blood Bank + 3 no. in Pathology/ Hematology Lab. + 10 no. in Microbiology Lab. of Emergency Block = 18 no.	4,50,000.00	9000
22	Automatic Tissue Processor	2 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
23	Rotary Microtome with 50 Blades	2 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
24	Cytospin	2 no. in Pathology Lab. Of Emergency Block	4,00,000.00	8000
25	Hot Air Over (600x600x600mm-450º)	2 no. in Pathology Lab. Of Emergency Block	1,00,000.00	2000
27	Single Pan Balance	1 no. in Pathology Lab. Of Emergency Block	1,00,000.00	2000

28	pH Meter	1 no. in Pathology Lab. + 2no. In Microbiology Lab. + 1 no. in Biochemistry Lab of Emergency Block + 1 no. in Endocrionology in SSB = 5 no.	1,20,000.00	2400
29	Deep Freezer (-20)	2 no. in Pathology Lab. + 1 no. In Microbiology Lab. + 1 no. in Biochemistry Lab of Emergency Block = 4 no.	4,00,000.00	8000
30	Trinocular Microscope with Camera with Combined Video Display and Image Analyzer	1 no. in Pathology Lab. + 1 no. In Microbiology Lab.of Emergency Block = 4 no.	10,00,000.00	20000
31	Microscope Binocular Dual Viewing System	2 no. in Pathology Lab. Of Emergency Block	1,90,000.00	3800
32	Automatic Slide Stainer	1 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
33	Tissue Embedding Station	1 no. in Pathology Lab. Of Emergency Block	6,00,000.00	12000
34	Grossing Station with Fume Hood	1 no. in Pathology Lab. Of Emergency Block	3,00,000.00	6000
35	Autoclave Vertical	1 no. in Pathology Lab. + 2no. In Microbiology Lab. + 1 no. inSterilization Lab. of Emergency Block = 4 no.	3,70,000.00	7400

36	Automatic ESR Analyzer	1 no. in Pathology Lab. Of Emergency Block	3,00,000.00	6000
37	Automatic Semen Analyzer	1 no. in Pathology Lab. Of Emergency Block	3,00,000.00	6000
38	Fully Automated Hematology Analyzer Six Part Differential with Retics & NRBC	1 no. in Pathology Lab. Of Emergency Block	15,00,000.00	30000
39	Coagulometer Fully Automated	1 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
40	Laser Flow Cytometer	1 no. in Pathology Lab. Of Emergency Block	70,00,000.00	140000

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 the authorized Certifying Authorities.

Complete set of Bid Documents has been made available at E-Tender portal www.tenderwizard.com/HSCC, www.hsccltd.com for downloading from **10.04.2015 to 06.05.2015**. Prospective bidders are advised to regularly scan through HSCC E-tender portal www.tenderwizard.com/HSCC, as corrigendum/modification/amendments, if any, will be notified on this portal only and no separate advertisement will be made for this.

(2) **Tender No.: HSCC/SJH/Medical Equipment/2015 Dated Dated 10.04.2015**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	10.04.2015 to 06.05.2015, 10.00 hrs to 14.00 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	INR 3, 000/-
iv.	Pre Tender Meeting Date & Time	**20.04.2015**, 14.00 hrs. IST
v.	Pre Tender Meeting Venue	Same as 2 (ii)
vi	Reply of pre-bid queries	**27.04.2015**
vii.	Closing date & time for receipt of Tender	**06.05.2015**, 1430 hrs IST

Sl. No.	Description	Schedule
viii.	Time and date of opening of Techno – Commercial tenders	**06.05.2015**, 1500 hrs IST
ix	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

2. Interested tenderers may obtain further information about this requirement from this office inviting the tenders.

3. The prospective bidders who have not registered can register with E-procurement system of NIC by paying necessary registration charges. The bidders may prepare a banker cheque/Draft in favour of HSCC (India) Ltd. Offfce at Noida, payable at Noida/Delhi and deposit it. In order to submit the bids electronically bidders are required to have type-II Digital Signature Certificate. Digital Signature can be obtained from any of the certifying agency.

The tender shall be submitted online for all the necessary documents and in physical form (with respect to few documents as mentioned in the SIT) in three parts/covers as mentioned below:

(i) Tender Fee and EMD

(ii) Pre-qualification and Technical compliance as per following documents:

a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
b) Tender Form as per section X.
c) Copy of PAN.
d) Certificate of Incorporation/Declaration being a proprietary firm.
e) Annual report of last 3 completed financial years (Balance sheet and Profit & Loss Account)
f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
g) Quality Control Requirements as per Section VIII
h) Performance statement along with required PO copies and its corresponding end user‟s satisfactory performance certificate as per section IX.
i) Affidavit as per Section XIX
j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications with all related brochures in the tender enquiry.

(iii) Price Bid (Only online).

4. All prospective tenderers may attend the Pre Tender meeting. For all the above tender IDs, Pre-bid meeting shall be held as mentioned above.

5. To participate in the submission against the tender, it is mandatory for the Applicants to get digital signature and get themselves registered with e-tendering system.

6. Complete set of Bid Documents has been made available at E-Tender portal www.tenderwizard.com/HSCC, www.hsccltd.com for downloading. The cost the Tender Enquiry Document is **INR 3000/ which is payable in the form of Cash/Demand Draft**

drawn on a scheduled bank in India in favour of **HSCC (India) Ltd**. payable at Delhi/Noida.. Tenderer may download the tender enquiry documents from the website and submit its tender online after logging in to their user ID. 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 uploading its tender on-line for participation through **E-Tendering basis**. For submission and other details, please refer HSCC e-tender portal www.tenderwizard.com/HSCC.

7. Tenderers shall ensure that their tenders, complete in all respects, are submitted online and desired hard copies in original dropped in the Tender Box located at HSCC (India) Ltd., E-6A, Sector-1, Noida, U.P.-201301 on or before the closing date and time indicated above, failing which the tenders will be treated as late and rejected.

8. In the event of any of the above mentioned dates being declared as a holiday /closed day for the purchase organisation, the physical form of tenders will be received/opened on the next working day at the appointed time. Bidders are requested to regularly visit website www.tenderwizard.com/HSCC & www.hsccltd.com for corrigendum/amendments etc., if any, as these there no separate advertisement for them.

Medical Superintendent
Safderjung Hospital,
New Delhi.

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

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

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

2. Introduction

2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – "List of Requirements", which also indicates, *interalia,* the required delivery schedule, terms and place of delivery.

2.2 This section (Section II - "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.

2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.

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

instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

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

- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer's Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Affidavit
- Section XX – Check List
- Section XXI – Consignee

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

9. Amendments to TE documents

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

9.2 Such an amendment will be notified in the referred website only.

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

10. Clarification of TE documents

10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing on or before the due date of pre-bid meeting. No queries will be entertained later on. The purchaser will respond in writing to such request as per the schedule.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

11.1 The bids shall be submitted online and in physical form in three parts/covers as mentioned below:
(i) Tender Fee, EMD, Pre-qualification as per Tender Terms and referred in checklist at section XIX and as mentioned in para A below.
(ii) Technical Bid
(iii) Price Bid (Only online).

Tenderers are requested not to submit the hard copy of Price Bid along with the physical form of tender. In case the hard copy of price bid is submitted in physical form, the tender shall be straightway rejected. Also, uploading of the price bid in prequalification bid or technical bid will result in rejection of the tender.

A) <u>Techno – Commercial Tender (Un priced Tender)</u>

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/Installation Reports.
viii) Certificate of Incorporation in the country of origin.

B) Price Tender:

1. Prices are to be quoted in the attached Price Bid format online as per the directionson the official website.

2. The price should be quoted for the accounting unit indicated on the website.

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

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

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

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

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

12. Tender currencies

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

12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent,

if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.

12.3 Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

13 Tender Prices

13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified as "NA" by the tenderer.

13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.

13.3 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. Bidders must quote the prevailing taxes and duties as applicable.

13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:

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

a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
b) any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;
c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
e) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
b) the price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List;
c) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3

months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;

d) the charges for Incidental Services, as in the List of Requirements and Price Schedule;
e) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
f) the Total tender price of goods quoted DDP basis at consignee site in India as indicated in the List of Requirements, Price Schedule and Consignee List
g) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

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

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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

contract placed by the purchaser are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser.
However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the purchaser to enable the purchaser reimburse the supplier and take other necessary action in the matter.

13.5.5 Customs Duty:

The Purchaser will reimburse the Customs duty wherever applicable. Supplier shall be responsible for customs clearances of the consignments.

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) Copy of the agreement between Indian Agent & their principal detailing the scope of work/services during warranty & after sales periods.

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.

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 misguiding 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 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 as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:

i) Account Payee Demand Draft
ii) Banker's cheque and
iii) Bank Guarantee

19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the **"HSCC (India) Ltd"** payable at New Delhi/Noida. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.

19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.

19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.

19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.

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

20. Tender Validity

20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 120 days (One hundred and twenty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, however, may not agree to extend its tender validity without forfeiting its EMD.

20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Signing and Sealing of Tender

21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.

21.2 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.

21.3 The tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 The tender shall be submitted online and in physical form (except price bid) in three parts/covers as mentioned below:

(i) Tender Fee and EMD (Both online and physical)

(ii) Pre-qualification and Technical compliance as per following documents (Online submissions for all the documents and physical submission only for affidavit as per point i) below and original Technical brochures/catalogues against point j):

a) Manufacturer‟s authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
b) b) Tender Form as per section X.
c) c) Copy of PAN.
d) Certificate of Incorporation/Declaration being a proprietary firm.
e) Annual report of last 3 years (Balance sheet and Profit & Loss Account)
f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
g) Quality Control Requirements as per Section VIII
h) Performance statement along with required PO copies and its corresponding end user‟s satisfactory performance certificate as per section IX.
i) Affidavit as per Section XIX
j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)

(iii) Price Bid (Only online).

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.

Unless otherwise specified, the tenderers are to submit its tender online and deposit the physical form of tenders in the tender box kept for this purpose at HSCC (India) Ltd., E-6A, Sector-1, Noida-201301, ((UP).

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 physical 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 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 Purchaser will determine the responsiveness of each Tender to the TE Document 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 the meet the basic requirements, are liable to be treated as non – responsive and will be summarily ignored.

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

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

(i) The bidder has submitted hard copy of financial bid (only online submission price bids are allowed).
(ii) Tender validity is shorter than the required period.

(iii) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
(iv) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer‟s Authorisation Form as per Section XIV.
(v) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.
(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 is not eligible as per GIT Clauses 5& 17.1.
(x) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
(xi) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor Infirmity/Irregularity/Non-Conformity

28.1 If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post 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 The tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender.

34. Comparison of Tenders

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery on DDP basis at Consignee site basis, inclusive of applicable taxes, duties, incidental services. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation.

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

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

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

ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

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

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

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 fifty (50) 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.

Further, Purchaser reserves the rights to delete any of the tendered items without assigning any reason whatsoever. Purchaser as deemed fit, out of the total tendered quantity for the tendered items may place Notification of Award for the quantity as per the requirements and may defer the balance quantity of the item(s) to be supplied later.

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/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.

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

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

(ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after

Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;

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

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	32
B	8 to 10	TE documents	No Change	32
C	11 to 21	Preparation of Tenders	No Change	32
D	22 to24	Submission of Tenders	No Change	32
E	25	Tender Opening	No Change	32
F	26 to 27	Scrutiny and Evaluation of Tenders	No Change	32
G	36 to 46	Award of Contract	No Change	32

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/substitute/supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below: In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

Submission of Tenders

(i) All the necessary documents as prescribed in the NIT shall be prepared and scanned in different files (in PDF or JPEG format as prescribed) and uploaded for on-line submission of Proposal. However, physical documents as per NIT to be submitted in **"ORIGINAL"** to HSCC (India) Ltd. before the prescribed date & time for submission of physical tender restricted to the following documents only.

a) Demand Draft towards Tender Fee in favour of HSCC (India) Ltd.
b) EMD in the prescribed format in favour of HSCC (India) Ltd.
c) Technical Data Sheet and original technical literature/ Brochure (if any)
d) Affidavit as per Section XIX

(ii) All document(s)/ information(s) other than above including the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF PRICE BID/FINANCIAL PROPOSAL) should be **uploaded online only** in the prescribed format given in the website. No other mode of submission shall be acceptable.

(iii)The prospective bidders may scan the documents in low resolution **(75 to 100 DPI)** instead of 200 DPI. The documents may be scanned for further lower resolution (if possible). This would reduce the size of the Cover and would be uploaded faster.

(iv) The prospective bidders may upload Drawing files, if any, in **".dwf" format** so that the size of document is less. This is a generic format and all software supports this format.

(v) At the time of cover content creation, the prospective bidders would have to define the document type as **".rar" format**.

(vi) The prospective bidders should be asked to zip all the .dwf files to a .rar file & upload it

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

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.
All documents submitted physically or uploaded as scanned copies must be self-attested, legible and numbered.

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 fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 30/66 months (as applicable warranty period of 2/5 years) 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 with out 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.

For Radiology, the equipment viz. CT Scan, MRI, Digiral Radiography, Digital Radio Fluoroscopy, Ultrasound, X-Ray Machines etc. Should be DICOM 3.0 enabled & complied with HL7 (Health Level 7) Standards. DICOM 3.0 provides reliable protocols for integration of image data between imaging, non-imaging modalities, devices & systems.

For Laboratory Equipment, equipment should be ASTM (American Society for Testing & Materials) compliant for integration of System Software with Lab. Records & Database.

Above standards are required for interfacing of equipment with PACS (Picture Archiving & Communication System) & HMIS (Hospital Management & Information System) during the computerization of the Hospital.

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 transhipment (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-g 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 pre-dispatch inspections, inspections and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).

8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.

8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.

8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.

8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and

complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.

8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.

8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.

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

9. Terms of Delivery

9.1 Goods shall be delivered by the supplier in accordance with the terms of delivery specified in 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 transhipment without the express/prior written consent of the purchaser. The supplier is required under the contract to deliver the goods under CIP (Named port of destination) terms; the shipment shall be made by Indian flag vessel or by vessels belonging to the conference lines in which India is a member country through India's forwarding agents/coordinators. In case the forwarding agent/coordinators are unable to provide timely adequate space in Indian flag vessel or by vessels belonging to the conference lines, the supplier shall arrange shipment through any available vessel to adhere to the delivery schedule given in the contract.
In case of airlifting of imported goods offered from abroad, the same will be done only through the National Carrier i.e. Air India wherever applicable. In case the National Carrier is not available, any other airlines available for early delivery may be arranged.

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

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

11. Insurance:

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

i) in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110%

of the value of the goods from ware house to ware house (consignee site) on all risk basis. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.

ii) in case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended Insurance (local transportation and storage) would be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.

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

12. Spare parts

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

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

b) In case the production of the spare parts is discontinued:

i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and

ii) Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Purchaser/Consignee promptly on receipt of order from the Purchaser/Consignee.

13. Incidental services

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

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

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

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

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

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

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

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

B) For goods imported from abroad

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

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

15. Warranty

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*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 **24 months** 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 will be acceptable.
b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following:-

- X-ray and CT tubes and high-tension cables.
- Helium replacement
- Any kind of motor.
- Plastic & Glass Parts against any manufacturing defects.
- All kind of sensors including oxygen sensors.
- All kind of coils, probes and transducers
- All kind of flat panel sensors and cassettes for DR & CR systems and patients handling trolleys etc
- Printers and imagers including laser and thermal printers with all parts.
- UPS including the replacement of batteries.
- Air-conditioners

c. Replacement and repair will be under taken for the defective goods.
d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.

15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.

15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions

15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended to a further period of twenty four (24) months from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

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 3 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 final acceptance of the contracted goods to the purchaser. However, for goods directly imported shall be guided by the INCOTERM.

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:

(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 XVI in original issued by the authorized representative of the consignee;
(iii) Two copies of packing list identifying contents of each package;
(iv) Inspection certificate issued by the nominated Inspection agency, if any.
(v) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
(vi) Certificate of origin.

b) On Acceptance:

Balance 20% payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

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:

80% of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:

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

b) On Acceptance:

Balance payment of 20% of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVII to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any. Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

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 to the manufacturer's agent in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation.

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/Delay in the supplier's performance

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, interalia contain the following conditions:

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

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

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

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

22.6 Passing of Property:

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

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

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

23. Liquidated damages

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

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

24. Termination for default

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

24.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.

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

25. Termination for insolvency

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

26. Force Majeure

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

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

26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty

one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

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

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

27. Termination for convenience

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

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

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

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

28. Governing language

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

29. Notices

29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

30. Resolution of disputes

30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the

Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by **Medical Superintendent, Safderjung Hospital, New Delhi**. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)

30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India.

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

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

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

33. General/ Miscellaneous Clauses

33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.

33.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.

33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.

33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.

33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.

33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any

action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.

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

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

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

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

ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

34.2 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.

34.3 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.

i. 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.

ii. 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.

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

SECTION - VI

LIST OF REQUIREMENTS

Part I

S. No.	Equipment Details	Qty./ Requirements	Estimated Cost (Rs.)	EMD (Rs.)
	For ICU/ Wards/ OT/ Aneasthesia/Examination			
1	Central Monitoring Station (CMS) 8 No. with Bed Side Monitors (125 No.)	For ICU (Super-Specialty Block)	4,39,00,000.00	8,78,000.00
2	Central Monitoring Station (CMS) 2 No. with Bed Side Monitors (12 Nos.)	For Heart Command Centre (Super-Specialty Block)	92,00,000.00	1,84,000.00
3	Central Monitoring Station (CMS) 2 No. with Bed Side Monitors (20 Nos.)	For Cardiology (Super-Specialty Block)	1,16,00,000.00	2,32,000.00
4	Central Monitoring Station (CMS) 5 No. with Bed Side Monitors (68 Nos.)	For ICU (Emergency Block)	3,52,00,000.00	7,04,000.00
5	ICU Ventilators	125 no. for ICU (Super-Specialty Block) + 6 no. for Heart Command Centre (Super-Specialty Block) + 10 no. for ICU (Emergency Block) =141no.	11,10,00,000.00	22,20,000.00

6	Cardiac Defibrillators	25 no. in ICU + 6 no. for Wards + 35no. for OT/Aneas. + 2nos. for Endocrinology + 20 nos. for Cardiology + 1no. for Nephrology + 5nos. for Pulmonary Medicine of Super-Specialty Block + 6nos. for ICU + 6 nos. for Wards of Emergency Block = 106no.	3,18,00,000.00	636000
7	Infusion Pumps	125 no. in ICU + 30 no. for Wards + 6no. for Heart Command Centre + 20nos. for OT/Aneas. of Super-Specialty Block + 10nos. for ICU + 30 nos. for Wards of Emergency Block = 221 no.	88,40,000.00	176800
8	Syringe Infusion Pump	6 no. in ICU + 30 no. for Wards + 6no. for Heart Command Centre +20no. In OT/Aneas.+ 160 nos. for Cardiology + 10 no. for Nephrology of Super-Specialty Block + 10nos. for ICU + 30 nos. for Wards of Emergency Block = 272 no.	1,08,00,000.00	216000

9	Multipara Monitor	50 no. in Wards + 15 no. in OT/Aneas. + 10 no. for Neurology + 7 no. for Nephrology of Super-Specialty Block + 25nos. for Resuscitation Area + 50 nos. for Wards + 43no. For Exam. Area of Emergency Block = 200 no.	5,99,00,000.00	1198000
10	Aneasthesia workstation	20 no. in OT/Aneas + 2 no. in Cardiology of Super-Specialty Block = 22 no.	3,30,00,000.00	660000
11	Patient warming system	6 no. in OT/Aneas + 3 no. in Urology for Super-Specialty Block =9 no.	27,00,000.00	54000
12	AED	5nos. for Resuscitation Area of Emergency Block	15,00,000.00	30000
13	Rapid Infusion Pump	10 no. in Wards + 2 no. in Resuscitation + 2 no. in ICU of Emergency Block + 8 no. in OT of Super-Specialty Block = 22 no.	3,30,00,000.00	660000
14	Mobile LED Light	10 no. in ICU of Emergency Block + 20 no. in OT of Super-Specialty Block = 30 no.	1,00,00,000.00	200000
15	OT Tables	20 no. in OT of Super-Specialty Block	3,00,00,000.00	600000

16	Sternal Saw (Electric)	6 no. in Cardiac Surgery of Super-Specialty Block	12,00,000.00	24000
	For Pathology/Blood Bank/ Microbiology /Biochemistry	1		
17	Deep Freezer -80 Degree	1 no. in Blood Bank of Super-Specialty Block + 2 no. in Blood Bank + 1 no. in Pathology/ Hematology Lab. + 1 no. in Microbiology of Emergency Block = 5 no.	26,00,000.00	52000
18	Lab. Centrifuge	2 no. in Blood Bank of Super-Specialty Block + 4 no. in Blood Bank + 1 no. in Pathology/ Hematology Lab. of Emergency Block = 7 no.	3,10,000.00	6200
19	Incubator	2 no. in Blood Bank of Super-Specialty Block + 2 no. in Blood Bank + 2no. in Pathology/ Hematology Lab. of Emergency Block = 6 no.	5,00,000.00	10000
20	Micropipette Sets	2 no. in Blood Bank of Super-Specialty Block + 2 no. in Blood Bank + 1 no. in Biochemistry of Emergency Block = 5 no.	4,10,000.00	8200

21	Binocular Microscope	2 no. in Blood Bank + 1no. in Endocronology Lab. of Super-Specialty Block + 2 no. in Blood Bank + 3 no. in Pathology/ Hematology Lab. + 10 no. in Microbiology Lab. of Emergency Block = 18 no.	4,50,000.00	9000
22	Automatic Tissue Processor	2 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
23	Rotary Microtome with 50 Spare Knives	2 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
24	Cytospin	2 no. in Pathology Lab. Of Emergency Block	4,00,000.00	8000
25	Hot Air Over (600x900x600mm-450^{o})	2 no. in Pathology Lab. Of Emergency Block	1,00,000.00	2000
27	Single Pan Balance	1 no. in Pathology Lab. Of Emergency Block	1,00,000.00	2000
28	pH Meter	1 no. in Pathology Lab. + 2no. In Microbiology Lab. + 1 no. in Biochemistry Lab of Emergency Block + 1 no. in Endocrionology in SSB = 5 no.	1,20,000.00	2400
29	Deep Freezer (-20)	2 no. in Pathology Lab. + 1 no. In Microbiology Lab. + 1 no. in Biochemistry	4,00,000.00	8000

		Lab of Emergency Block = 4 no.		
30	Trinocular Microscope with Camera with Combined Video Display and Image Analyzer	1 no. in Pathology Lab. + 1 no. In Microbiology Lab.of Emergency Block = 4 no.	10,00,000.00	20000
31	Microscope Binocular Dual Viewing System	2 no. in Pathology Lab. Of Emergency Block	1,90,000.00	3800
32	Automatic Slide Stainer	1 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
33	Tissue Embedding Station	1 no. in Pathology Lab. Of Emergency Block	6,00,000.00	12000
34	Grossing Station with Fume Hood	1 no. in Pathology Lab. Of Emergency Block	3,00,000.00	6000
35	Autoclave Vertical	1 no. in Pathology Lab. + 2no. In Microbiology Lab. + 1 no. inSterilization Lab. of Emergency Block = 4 no.	3,70,000.00	7400
36	Automatic ESR Analyzer	1 no. in Pathology Lab. Of Emergency Block	3,00,000.00	6000
37	Automatic Semen Analyzer	1 no. in Pathology Lab. Of Emergency Block	3,00,000.00	6000
38	Fully Automated Six Part Differential Blood Counter	1 no. in Pathology Lab. Of Emergency Block	15,00,000.00	30000

39	Coagulometer Fully Automated	1 no. in Pathology Lab. Of Emergency Block	5,00,000.00	10000
40	Laser Flow Cytometer	1 no. in Pathology Lab. Of Emergency Block	70,00,000.00	140000

Part II: Required Delivery Schedule:

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

60 days from date of Notification of Award except, for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which the delivery period will be 90 days from date of Notification of Award. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

b) For Imported goods directly from foreign:

60 days from date of opening of L/C except, for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which the delivery period will be 90 days from date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway Bill. (Tenderers may quote earliest delivery period).

c) Installation & commissioning within 15 days of receipt of goods at site except for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which installation & commissioning to be done within 90 days of receipt of goods at site.

Note: Indigenous goods or imported goods if supplied from India (offered in INR) which are linked with supply of directly imported goods are to be supplied within the contractual delivery period as stated in para b) above.

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

Warranty & Comprehensive Maintenance Contract (CMC) as per bid document.

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site – Specified in the List of Requirements

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

b) For Imported goods directly from abroad:

The foreign tenderers are required to quote their rates on 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 DDP Consignee basis. The shipping arrangements shall be made by the supplier accordingly.

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.

Consignee/destination details as mentioned in Section-XXI.

Section – VII
Technical Specifications

Central Monitoring Stations 8nos. for connecting 125 Modular Monitors for ICU

Equipment Specifications for Complete Monitoring System for ICU

1. Description of Function

1.1 Critical patients need to be monitored continuously in ICU at the bedside as well as at the central nursing station.

2. Operational Requirements

2.1 ICU should comprise of modular monitors at the bedside and with central station.
2.2 Capability of storage of patient data and printing of patient reports with in-built thermal recorder.
2.3 Demonstration of the equipment is a must.

3. Technical Specifications

3.1 Minimum 17 inches multi colored TFT/LCD display touch screen with rotary knob.
3.2 Should have battery back-up for 2 hours of more.
3.3 Ten digital and waveforms/traces display
3.4 Combination of single, dual and multi parameter modules.
3.5 Parameter modules freely exchangeable between all the monitors.
3.6 Multi-channel ST segment analysis.
3.7 Facility to monitor and display - ECG, Respiration, NIBP, SpO2, CO2 with capnography, Temp. & 2-channel IBP with thermal three channel recorder. Upgradable to Cardiac output (optional) & BIS (optional).
3.8 Automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
3.9 EtCO2 -Main stream/ side stream. Display both inspired and expired values, showing capnography.
3.10 Should provide hemodynamic, oxygenation, Ventilation calculation package.
3.11 Should have drug calculation package.
3.12Trend of at least 120 hours.
3.13 Monitors should be HL7 compatible.
3.14 200 nos. event recall/snapshot facility automatically triggered by alarm.
3.15 TFT/LCD Slave Monitors – 21 inches – optional for central monitoring station.
3.16 The monitors should have monitor-to-monitor overview facility and data transfer over the network.

Accessories to be offered as standard

ECG/Respiration 5 lead cable – 02 no. with each monitor
Non-Invasive Blood Pressure cuff adult – 02 no. with each monitor
Non-Invasive Blood Pressure cuff paediatric– 02 no. with each monitor
Non-Invasive Blood Pressure cuff neonatal – 02 no. with each monitor
Pulse Oximetry finger adult sensor – 02 no. with each monitor
Pulse Oximetry paediatric and neonatal – 02 no. with each monitor
Temperature probe (Skin) Reusable – 02 no. with each monitor
Reusable Interface Cable for IBP – 02 nos.
Disposable dome for IBP -5 no.
ETCO2 Adult & Pediatric Acc. Kit 1 each
Recorder paper 10 Rolls
Wall Mount for all the monitors

3.17 Central station for bedside monitors with independently controlled. 21" multi-color TFT Monitor, complete with Ethernet LAN cabling, alarm management, 72 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc.
3.18 Central Station to have capability to display up to 32 beds.
3.19 System should be complete with Computer System, UPS with 1 hour back-up & Laser Printer for each Central Station.
3.20 System should be USFDA approved with certification.

Central Monitoring Stations 2nos. for connecting 12 Modular Monitors for ICU

Equipment Specifications for Complete Monitoring System for ICU

1. Description of Function

1.1 Critical patients need to be monitored continuously in ICU at the bedside as well as at the central nursing station.

2. Operational Requirements

2.1 ICU should comprise of modular monitors at the bedside and with central station.
2.2 Capability of storage of patient data and printing of patient reports with in-built thermal recorder.
2.3 Demonstration of the equipment is a must.

3. Technical Specifications

3.1 Minimum 17 inches multi colored TFT/LCD display touch screen with rotary knob.
3.2 Should have battery back-up for 2 hours of more.
3.3 Ten digital and waveforms/traces display
3.4 Combination of single, dual and multi parameter modules.
3.5 Parameter modules freely exchangeable between all the monitors.
3.6 Multi-channel ST segment analysis.
3.7 Facility to monitor and display - ECG, Respiration, NIBP, SpO2, CO2 with capnography, Temp. & 2-channel IBP with thermal three channel recorder. Upgradable to Cardiac output (optional) & BIS (optional).
3.8 Automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
3.9 EtCO2 -Main stream/ side stream. Display both inspired and expired values, showing capnography.
3.10 Should provide hemodynamic, oxygenation, Ventilation calculation package.
3.11 Should have drug calculation package.
3.12Trend of at least 120 hours.
3.13 Monitors should be HL7 compatible.
3.14 200 nos. event recall/snapshot facility automatically triggered by alarm.
3.15 TFT/LCD Slave Monitors – 21 inches – optional for central monitoring station.
3.16 The monitors should have monitor-to-monitor overview facility and data transfer over the network.

Accessories to be offered as standard

ECG/Respiration 5 lead cable – 02 no. with each monitor
Non-Invasive Blood Pressure cuff adult – 02 no. with each monitor
Non-Invasive Blood Pressure cuff paediatric– 02 no. with each monitor
Non-Invasive Blood Pressure cuff neonatal – 02 no. with each monitor
Pulse Oximetry finger adult sensor – 02 no. with each monitor
Pulse Oximetry paediatric and neonatal – 02 no. with each monitor
Temperature probe (Skin) Reusable – 02 no. with each monitor
Reusable Interface Cable for IBP – 02 nos.
Disposable dome for IBP -5 no.
ETCO2 Adult & Pediatric Acc. Kit 1 each
Recorder paper 10 Rolls
Wall Mount for all the monitors

3.17 Central station for bedside monitors with independently controlled. 21" multi-color TFT Monitor, complete with Ethernet LAN cabling, alarm management, 72 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc.
3.18 Central Station to have capability to display up to 32 beds.
3.19 System should be complete with Computer System, UPS with 1 hour back-up & Laser Printer for each Central Station.
3.20 System should be USFDA approved with certification.

Central Monitoring Stations 2nos. for connecting 20 Modular Monitors for ICU

Equipment Specifications for Complete Monitoring System for ICU

1. Description of Function

1.1 Critical patients need to be monitored continuously in ICU at the bedside as well as at the central nursing station.

2. Operational Requirements

2.1 ICU should comprise of modular monitors at the bedside and with central station.
2.2 Capability of storage of patient data and printing of patient reports with in-built thermal recorder.
2.3 Demonstration of the equipment is a must.

3. Technical Specifications

3.1 Minimum 17 inches multi colored TFT/LCD display touch screen with rotary knob.
3.2 Should have battery back-up for 2 hours of more.
3.3 Ten digital and waveforms/traces display
3.4 Combination of single, dual and multi parameter modules.
3.5 Parameter modules freely exchangeable between all the monitors.
3.6 Multi-channel ST segment analysis.
3.7 Facility to monitor and display - ECG, Respiration, NIBP, SpO2, CO2 with capnography, Temp. & 2-channel IBP with thermal three channel recorder. Upgradable to Cardiac output (optional) & BIS (optional).
3.8 Automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
3.9 EtCO2 -Main stream/ side stream. Display both inspired and expired values, showing capnography.
3.10 Should provide hemodynamic, oxygenation, Ventilation calculation package.
3.11 Should have drug calculation package.
3.12Trend of at least 120 hours.
3.13 Monitors should be HL7 compatible.
3.14 200 nos. event recall/snapshot facility automatically triggered by alarm.
3.15 TFT/LCD Slave Monitors – 21 inches – optional for central monitoring station.
3.16 The monitors should have monitor-to-monitor overview facility and data transfer over the network.

Accessories to be offered as standard

ECG/Respiration 5 lead cable – 02 no. with each monitor
Non-Invasive Blood Pressure cuff adult – 02 no. with each monitor
Non-Invasive Blood Pressure cuff paediatric– 02 no. with each monitor
Non-Invasive Blood Pressure cuff neonatal – 02 no. with each monitor
Pulse Oximetry finger adult sensor – 02 no. with each monitor
Pulse Oximetry paediatric and neonatal – 02 no. with each monitor
Temperature probe (Skin) Reusable – 02 no. with each monitor
Reusable Interface Cable for IBP – 02 nos.
Disposable dome for IBP -5 no.
ETCO2 Adult & Pediatric Acc. Kit 1 each
Recorder paper 10 Rolls
Wall Mount for all the monitors

3.17 Central station for bedside monitors with independently controlled. 21" multi-color TFT Monitor, complete with Ethernet LAN cabling, alarm management, 72 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc.
3.18 Central Station to have capability to display up to 32 beds.
3.19 System should be complete with Computer System, UPS with 1 hour back-up & Laser Printer for each Central Station.
3.20 System should be USFDA approved with certification.

Central Monitoring Stations 5nos. for connecting 68 Modular Monitors for ICU

Equipment Specifications for Complete Monitoring System for ICU

1. Description of Function

1.1 Critical patients need to be monitored continuously in ICU at the bedside as well as at the central nursing station.

2. Operational Requirements

2.1 ICU should comprise of modular monitors at the bedside and with central station.
2.2 Capability of storage of patient data and printing of patient reports with in-built thermal recorder.
2.3 Demonstration of the equipment is a must.

3. Technical Specifications

3.1 Minimum 17 inches multi colored TFT/LCD display touch screen with rotary knob.
3.2 Should have battery back-up for 2 hours of more.
3.3 Ten digital and waveforms/traces display
3.4 Combination of single, dual and multi parameter modules.
3.5 Parameter modules freely exchangeable between all the monitors.
3.6 Multi-channel ST segment analysis.
3.7 Facility to monitor and display - ECG, Respiration, NIBP, SpO2, CO2 with capnography, Temp. & 2-channel IBP with thermal three channel recorder. Upgradable to Cardiac output (optional) & BIS (optional).
3.8 Automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
3.9 EtCO2 -Main stream/ side stream. Display both inspired and expired values, showing capnography.
3.10 Should provide hemodynamic, oxygenation, Ventilation calculation package.
3.11 Should have drug calculation package.
3.12Trend of at least 120 hours.
3.13 Monitors should be HL7 compatible.
3.14 200 nos. event recall/snapshot facility automatically triggered by alarm.
3.15 TFT/LCD Slave Monitors – 21 inches – optional for central monitoring station.
3.16 The monitors should have monitor-to-monitor overview facility and data transfer over the network.

Accessories to be offered as standard

ECG/Respiration 5 lead cable – 02 no. with each monitor
Non-Invasive Blood Pressure cuff adult – 02 no. with each monitor
Non-Invasive Blood Pressure cuff paediatric– 02 no. with each monitor
Non-Invasive Blood Pressure cuff neonatal – 02 no. with each monitor
Pulse Oximetry finger adult sensor – 02 no. with each monitor
Pulse Oximetry paediatric and neonatal – 02 no. with each monitor
Temperature probe (Skin) Reusable – 02 no. with each monitor
Reusable Interface Cable for IBP – 02 nos.
Disposable dome for IBP -5 no.
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3.18 Central Station to have capability to display up to 32 beds.
3.19 System should be complete with Computer System, UPS with 1 hour back-up & Laser Printer for each Central Station.
3.20 System should be USFDA approved with certification.

ICU VENTILATOR

1 Should be touch screen ICU Ventilator with in-built/external compressor of the same manufacturer, should be compact and portable for intra hospital transportation.

- Air quality should comply with ISO compressor air purity class
- In case of external medical air compressor it should automatically activate in the event of wall air supply loss.
- In case of internal compressor it should have high peak flow for higher NIV performance and to deliver accurate tidal volume.
- Should have washable air filters/HEPA filters.
- Replacement of air filters/HEPA filter should be done without removing the compressor.

2 Should have the following modes.
a Volume and Pressure Controlled modes
b SIMV (Pressure controlled and volume controlled) with pressure support
c Spontaneous modes like CPAP / PEEP
d Inverse Ratio ventilation
e Advanced mode like PRVC/APV/Automode/Autoflow/ASV or equivalent.
f Airway Pressure Release ventilation
g Non-invasive ventilation.
h Invasive & Non-invasive BIPAP.

3 Should have the facility for following settings:
a Tidal Volume: Minimum 20ml-1500 ml or more in Volume control. Tilting facility for flexibility.
b PEEP upto 30 cmH2O or more
c Pressure support upto 35 cmH2O
d Flow Pattern: Automatic
e Respiratory Rate upto 80 bpm or more
f Inspiratory Plaetauupto 60% of Insporatory time
g SIMV Rate upto 60 cycles/min
h FlO2: 21% - 100%
i Inspiratory and Expiratory flow or pressure Trigger Sensitivity
j Manual Cycle, Inspiratory Pause, Expiratory Pause for Auto PEEP .

k Should be able to monitor and measure the following parameters:
Tidal Volume
Plaetau
Mean Airway Pressure
Peak Airway Pressure
Intrinsic PEEP
Resistance and Compliance
Automatic tube compensation

7 Ventilator should have synchronized in-built/ultrasound nebuliser. Should give >3micron size particle
8 Compiled trend analysis at least for 72 hours for all measured parameters. Automatic patient detection.
9 Ventilator should be upgradable to EtCO2 & SpO2.

10 Should have audio-visual alarms for the following parameters:
a Peak inspiratory pressure – High & Low
b FiO2 – high & low

c Respiratory rate – high & low
d Tidal volume – high & low
e Minute volume – high & low
f Apnea
g Gas supply failure

11 Should have battery backup atleast for 1 hour.

12 Event log: 1000 Alarm History.

13 Demonstration is must

14 Spares should be available for 10 years.

15 Should be supplied with 2 no. Reusable Silicon adult the 1 no Pediatrics tubing/circuit. Two nos. Of Reusable Flow Sensors & Two nos. Of Oxygen Sensors with each machine.

16 Should be US F.D.A. approved product.

17 Should provide ET-tube leak compensation.

18 Hinged arm and ventilator trolley should be from the same manufacturer

Defibrillator-cum-Monitor with External Pacing

Description of Function

Defibrillator should use low energy biphasic wavefrom for deliverying shock energy & must have energy selection from 1-200J as per AHA 2014 guidelines in AED as well as manual mode.

Should have facility to do ECG monitoring, transcutaneous pacing, defrillation, synchronized cardioversion with CPR feedback to measure chest compression rate & depth in real time & should also provide visual & audible feedback.

Must be capable of monitoring ECG through ECG cables, multiple function electrodes/pads & external paddles through multifunction single cable.

Unit should have adult & in-built paediatric external paddles & should be able to defibrillate both adult & peadtric patients.

Facility for increase/decrease energy selection on paddles as well as on the unit. Should have ECG printout facility.

Machine should be compact & portable with in built rechargeable battery for atleast 3 hr. Of continuous ECG monitoring & should be weighing less than 10 kg. with battery & paddles.

Defibrillator should have facility to upgrade for Spo2, NIBP & EtCO2 monitoring parameters.

Should have facility for external non-invasive pacing with 40msec pulse width.

Should have user selectable alarm setteings. Should work on mains as well as rechargerable battery.

Should be supplied with following acc.:

1. Battery: 1no.
2. 3/5 Lead ECG cable – 2no.
3. External defibrillator paddles (ped & adult)- 1no.
4. Multi-function defibrillator & monitoring pads/gel sheets – 250nos.
5. Reusable CPR feedback sensor/or similar product reused at least on 90 patients – 4 nos.

Should be USFDA approved product.

SPECIFICATION OF VOLUMETRIC INFUSION PUMP

The Volume Controlled peristaltic Infusion Pump having at least following major specifications:

a) Range: 1~1000 ml/hr. in 1 ml increments and 0.1~100 in 0.1 ml/hr. increments in Micro Infusion mode

b) Infusion Time: 1 ~ 96 hours in increment of 1 minute.

c) It should have display of drug names.

d) It should have volume delivered indication

e) Should have individualized alarms for -

- i) Low Battery Pre Alarm and Alarm.
- ii) Adjustable Occlusion level 100 ~ 900 mmHg in increment of 50 mm Hg.
- iii) Drive error
- iv) Air bubble detector (adjustable sensitivity)
- v) Completion / End of Infusion
- vi) Door Open
- vii) Protection against free flow. Occlusion Check System must be integrated
- viii) Unconfirmed Settings
- ix) Mains Power Failure
- x) Infusion Line Disconnection Alarm.

f) Should have Keep Vein Open(KVO) function on completion with least volume : minimum 3 ml/hour or adjustable.

g) Should have rechargeable NiMH type of battery having long life of about 5 hours @ 100 ml/hr. or more.

h) Should be light weight not more than 3 Kg.

i) Should operate on mains cum battery with input Voltage AC 240 Volts 50 Hz.

j) Should store history of 750 last dated events.

k) Should have variety of infusion modes such as Ramp-up / Ramp down, Sequential, Bolus, secondary etc. with last setting save at power ON.

l) Should be compatible with all standard IV Sets.

m) Should display the Volume to be infused, Infusion Duration, Infused Volume, Flow Rate, Present Pressure in the IV Set System, Alarm limit selected for Occlusion alarm, Occlusion pre alert by pressure increase indication, Visual Indication of Occlusion upstream or downstream etc.

n) There should be a provision of LOADING dose at the beginning of infusion.

o) There should be a provision of BOLUS delivery.

p) There should be facility to LOCK the keyboard.

q) Should have facility to program the PAUSE infusion time with indication after the programmed time is elapsed.

r)The product offered should be USFDA/European CE approved with certificate to be submitted.

Syringe Infusion Pump

Equipment Specifications for Syringe Infusion pump having min. screen size 2.5".

1. Description of Function

1.1 The Syringe Infusion Pump provides uniform flow of fluid by Precisely driving the plunger of a syringe down its barrel. It provides accurate and continuous flow rate for precise delivery of I.V. medication in critical medical care.

2. Operational Requirements

2.1 The syringe pump should be programmable, user friendly, safe to use and should have battery backup and comprehensive alarm system. This should be able to integrate in the HIS

2.2 Demonstration of the equipment is a must.

3. Technical Specifications

3.1 Flow rate programmable from 0.1 to 1200 ml/hr or more in steps of 0.1 ml/hr with user selectable flow set rate option.

3.2 There should be body weight mode for calculation of flow rate.

3.3 Keep Vein Open (KVO) must be available 0.5ml/hr or set rate if other than 0.5ml.

3.4 Selectable Occlusion pressure trigger three levels selectable

3.5 Should be European CE/USFDA APPROAVED/CERTIFIED 20, 30/40, 50/60 ml Syringes with accuracy of minimum of +/-2% or better.

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

3.7 Anti bolus system to reduce pressure on sudden release of occlusion

3.8 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 and alarm, AC power failure, Drive disengaged.

3.9 Rechargeable Battery having at least 4~6 hour backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.

4. System should include:

4.1 Syringe Infusion Pump –01

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

5. Environmental factors

5.1 Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

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

5.3 The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%

Multipara Monitor (Resp., Temp., Pulse, SPO2) for Examination, Resuscitation & Wards

1 Description of Function
1.1 Monitor is required to monitor vital parameters of patients.

2 Operational Requirements
2.1 Monitor should be portable and lightweight and should monitor vital parameters of patients.
2.2 Capability of storage of patient data and printing of patient reports through in-built thermal recorder.

3 Technical Specifications
3.1 Portable and Light weight preferably <10kg
3.2 Min. 15 inch multi color touch screen TFT display with rotary knob
3.3 Monitoring parameters: - ECG, respiration, NIBP, SpO2, temperature, IBP Dual, EtCO2, CO (optional)
3.4 Display of up to 8 waveforms / traces
3.5 Monitor should have audible and visual alarms capability. Alarms should have three distinct audible alarm tones to distinguish alarm levels. Also monitor should permit automatic viewing of alarming parameter waveform and numeric from any bedside in alarm as and when connected in a network.
3.6 Trends should be automatically stored for at least 120 hours.
3.7 Numeric monitored data trend shall be viewable and recordable in a patient chart type format in at least 1, 5, 15, 60 minutes intervals.
3.8 Convenient handle for carrying the same
3.9 In-built battery back-up for min. 2 hr.
3.10 Should be upgradable to ETCO2 & 2 channel IBP (Optional).

4 Each unit should include:
4.1 Portable Monitor-01
4.2 Patient cables (5 ECG lead) –02
4.3 Adult, Pediatric & Neonatal Cuff –02 each
4.4 Adult, Paediatric & Neonatal Probe SPO2 –02 each
4.5 Skin Temp Probe –02 & reactal (2)
4.6 Inbuilt Dual channel recorder –01
4.7 Paper Recorder- 100 rolls
4.8 Wall mount

5 Environmental factors
5.1 The unit shall be capable of operating continuously in ambient temperature of 10 -400 C and relative humidity of 15-90%.
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%.
5.3 Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Resettable over current breaker/fuse shall be fitted for protection
6.3 Suitable UPS with maintenance free batteries for minimum one hour back up should be supplied with the system.

7 Standards, Safety and Training

7.1 Should be USFDA/European CE approved product
7.2 Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring

8 Documentation
8.1 User Manual in English
8.2 Service manual in English
8.3 List of important spare parts and accessories with their part number and costing.
8.4 Certificate of Calibration and inspection from the factory
8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.
The job description of the hospital technician and company service engineer should be clearly spelt out
8.6 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.

Anaesthesia Workstation

1. Anaesthesia Workstation is used for delivering anaesthesia agents to the patients during surgery. The complete unit also monitors the vital signs and ventilates the patient from neonatal to adult.

2. a) Anaesthesia Workstation complete with Anaesthesia gas delivery system.;Circle absorber system.;Precision vaporiser for halothane,isoflurane and Sevoflurane ;Anaesthesia ventilator. Monitoring system to monitor Anaesthetic gases,ECG, EtCO2, Pulse Oximeter and airway pressure,NIBP, IBP (No as required) , rectal/&skin temperature. b) Essential accessories to make the system complete
2.1 Demostration of the equipment is a must.

3. Technical Specifications
3.1 Flow management
1. Should be Compact, ergonomic & easy to use
2. Machine should provide electronic gas mixing.
3. Multi-color TFT display of at least 12" size, with virtual flow meters for O2, N2O or Air
4. Dual flow sensing capability at inhalation and exhalation ports.
5. Should have back-up O2 control which provides an independent fresh gas source and flow meter Control in case of electronic failure.
6. Gas regulators shall be of modular design/ graphic display
7. One no. yoke each for Oxygen & Nitrous Oxide. Separate Pipeline inlet for Oxygen , Nitrous Oxide and Air
8. Hypoxic Guard to ensure minimum 25% O2 across all O2-N2O mixtures and Oxygen Failure Warning.
9. Should have integrated EtCO2 monitor.
10. Should display flow, volume & pressure/volume loops.

3.2 Breathing system
2. Latex free fully autoclavable.
3. Flow sensing capability at inhalation and exhalation ports, sensor connections shall be internal to help prevent disconnect.
4. Sensor should not require daily maintenance.
5. Bag to vent switch shall be bi-stable and automatically begins mechanical\ ventilation in the ventilator position.
6. Adjustable pressure limiting valve shall be flow and pressure compensated.

3.3 Vaporizers
1. New generation Vaporizer must be isolated from the gas flow in the off position and prevent the simultaneous activation of more than one vaporizer.
2. Vaporizer should mount to a Selectatec manifold of 2 vaporizers, which allows easy exchange between agents. Temperature, pressure and flow compensated vaporizers and Maintenance free - for Isoflurane,Halothane, and Sevoflurane

3.4 Ventilation
1. The workstation should have integrated Anesthesia Ventilator system.
2. Ventilator should have Volume Control and Pressure Controlled and SIMV modes.
3. Ventilator should have a tidal volume compensation capability to adjust for losses due to compression, compliance and leaks; and compensation for fresh gas flow.
4. The workstation should be capable of delivery of low flow anesthesia.

5. Ventilator should be capable of atleast 120-150 L/min peak flow to facilitate rapid movement through physiologic —dead space‖ in the Pressure Control mode
6. Bypass cardiac mode
7. Tidal volume: 5ml-1400ml

3.5 1. Anesthesia Monitoring Specifications: 19" TFT Screen
a. Monitoring of vital parameters:ECG,NIBP,SPO2 and two Invasive Blood Pressure.
b. Twin temperature measurement with skin and rectal probes- Two sets with each monitor
c. Automatic identification and measurement of anesthetic agents, EtCO2, O2 and N2O and MAC value. FiO2 measurement. To be available either on M/c or monitor. It should have a paramagnetic sensor with O2 Sensor.
d. Depth of Anesthesia Monitoring module - one per monitor with 50 sensors with each monitor
e. Neuromuscular Transmission Monitoring with all accessories. One set with each monitor
f. Cardiac Output measurement facility by thermo dilution technology with all accessories- one set for three monitors.
g. 24hrs of graphical and numerical trending
h. Should have Hemodynamic, Oxygenation and Ventilation calculation package. Should also have Ventilation Data available on monitor.
i. Should include inbuilt Anaesthesia record keeping software facility in all OT monitor to document anesthesia event using standardized menu based entries.
j. Facility to store snapshots during critical events for waveform review at a later stage
k. Audio visual and graded alarming system
l. Monitor should be USFDA approved

2. Display of Ventilator:
a. Tidal volume (VT)
b. Inspiratory/expiratory ratio (I:E)
c. Inspiratory pressure (Pinspired)
d. Pressure limit (Plimit)
e. Positive End Expiratory Pressure (PEEP)

3.6 Centralised Monitoring and Networking:
Web Browsing feature for browsing near real time waveforms and graphical & numerical trend upto 24hrs remotely through telephone dial in facility. Compatible with HIS system of the hospital.

3.7 Automatic Recording System

4. System Configuration Accessories, spares and consumables
4.1 Anaesthesia Gas Delivery system -01
4.2 Circle absorber -01
4.3 Ventilator -01
4.4 Monitor -01
4.5 Vaporiser Halothane -01
4.6 Vaporiser Sevoflurane -01
4.7 Vaporiser Isoflurane -01 & Vaporizer Desflurane -01
4.8 Adult and Paediatric autoclavable silicone breathing circuits -02 ea
4.9 Reusable IBP Transducer -04. Reusable IBP cables -04. Disposable Transducers - 100
4.10 Disposable domes-100
4.11 Temp probe Skin reusable- 02
4.12 Temp probe Rectal Reusable-02

4.13 Accessories Anesthetic gases-01 set
4.14 Depth of Anesthesia Sensors-100 adult & 100 pediatric
4.15 Accessories for Cardiac Output module- 01 set
4.16 Accessories for neuromuscular transmission monitor- 01 set
4.17 Standard accessories to make all parameters working- 01 set
4.18 Disposable Adult & Paediatric circuits- 100 ea.
4.19 HME filters.- 100
4.20 Vital Parametrer Accessories-01 Set
4.21 Nellcor/Masimo SpO2, Adult, Ped., Neonatal Sensor-2each
4.22 NIBP/Adult, Ped., Neonatal Cuff – 2 each

5. Environmental factors
5.1 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.3 Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
5.4 Safe disposal system of waste anaesthetic gases should be either in place or should be recommended along with the bid if not available. Supplier will be held responsible if this is not ensured at the time of installation.

6. Power Supply
6.1 Power input to be 220-240VAC, 50Hz,/440 V 3 Phase as appropriate fitted with Indian plug
6.2 Resettable over current breaker shall be fitted for protection
6.3 Suitable Servo controlled Stabilizer/CVT
6.4 UPS of suitable rating shall be supplied for minimum 1 hour backup for the entire system

7. Standards, Safety and Training
7.1 Should be FDA or CE approved product
7.2 Electrical safety conforms to standards for electrical safety IEC-60601 /IS-13450
7.3 Manufacturer should be ISO certified for quality standards.
7.4 Certified to be compliant with IEC 60601-2-13-Medical Electrical equipment part 213: Particular requirements for the safety of Anaesthesia Workstations
7.5 Should have local service facility .The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
7.6 All imported components like anaesthesia machine, monitor and ventilator should be from one manufacturer/principal.
7.7 Back to back warranty to be taken by the supplier from the principal to supply spares for a minimum period 10 years.
7.8 Comprehensive warranty for 2 years and provision of CMC for next 5years.

8. Documentation
8.1 User Manual in English
8.2 Service manual in English
8.3 List of important spare parts and accessories with their part number and costing
8.4 Certificate of Calibration and inspection from the factory
8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

8.6 List of Equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
8.7 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.
8.8 Must submit user list and performance report within last 5 years from major hospitals.

PATIENT WARMING SYSTEM

1.0 Technical Specifications

1.1 Control panel should display intended and actual temperatures. Should have precise digital temperature control with selectable range of 37 degree Celsius to 42 degree Celsius and should have both warming and true pressure relief to combat hypothermia and pressure related tissue trauma.

It should be commonly used in long term patient care into the OR to offer the immobile patient the same standard of care used for prevention and treatment of decubitus ulcers. A dynamic peristaltic air pressure cycle Quattro Therapy is utilized to provide true pressure relief to assist in the prevention of the onset of pressure damage.
System should have the peristaltic air pressure cycle to prevent damage. It should feature specially designed air cells as optimized to provide pressure relief and patient stability.
Row of cells Rows of cells deflate in a Pressure Relief one-in-four cycle that maintains a constant pressure relieving peristaltic wave.
Patient Warming.
It should able control the temperature of the patient warmer to overcome hypothermia during the operation.

1.2 Control unit should regulate warmth to every area of Mattress by use of Polyurethance base, polyurethane coated Nylon twill air cells, Waterproof 4-way stretch nylon cover.
Configurations: Can be supplied for any surgical table.

1.3 Mattress cover should have non antibacterial, coating, blood and fluid resistant covers which is washable, autoclavable and replaceable.
1.4 Should have safety features such as precise temperature control, automatic check and auto stop on detecting any problems.
1.5 Control unit should be light weight and small in size.
1.6 Should have noiseless operation.
1.7 Should operate on 220-240 volts AC.
1.8 Should have standard accessories.

2.0 **Standards, Safety and Training:**

2.1 Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2.2 Comprehensive training should be given for staffs and engineers till familiar with the system.

Specifications of Automated External Defibrillator (AED)

- Automated External Defibrillator should be US-FDA certified semi-automated, low energy Biphasic with maximum 200J energy level to deliver shock energy, complying with guidelines of AHA 2014 and must be field upgradable to any future changes without any extra cost.

- AED should have an LCD that is capable of displaying text prompts & ECG on screen.

- The unit must jprovide feedback on CPR in real time with both visual and audible prompts on CPR rate and depth complying with AHA 2014 guidelines.

- AED should be compact, light weight, portable with easily identifiable on/off switch and preferably with a handle to carry.

- Warranty of AED unit should be minimum jfive years, shelf life for defibrillation electrode pad should be minimum five years (if un-used) and stan-by life of disposable battery should be five years or minimum 220mshocks.

- Bidders must quote for the price of an additional one quantity for 1) adult disposable defibrillation pad and 20 disposable battery set and same will be included in comparative evaluation to arrive at final cost for lowest bid.

- Should be able to operate under following environmental conditions:

  (a) Temperature –Operating:dg-50dgC,
  (b) Humidity –Operating:12% to 90% relative, non-condensing.
  (c) Altitude – Operating – 100 to 15,000 feet or above.

- The unit should have ability to record data to an internal memory and to upload the same to a computer via wireless mode.
- Should come with pair of CPR Pad/ defibrillator pad/ Gel sheet -250 pads.

Technical Specifications for Rapid Infusion System

1. It should be able to transfuse 600ml/min or more of fluids or blood product reliably.
2. It should be mounted on IV pole for portability.
3. It should work on roller peristaltic or pneumatic principle.
4. It should have a heat exchanger system to warm the infusate.
5. It should display the temperature of the infusate.
6. It should have an air trap or other appropriate system for preventing air embolism.
7. It should be European CE or US-FDA certified.
8. It should work on 240 volt A/C Current.
9. It should be provided with 20 pieces of consumables.

Mobile/Portable LED Light

1 Extremely flat, compact and aero dynamical surgical OT light based on innovative Phosphorus coated white LED technology.
2 The single light head should consist of several, symmetrically arranged light emitting modules, using multitudinous white LEDs to form a multi-lens matrix on a single light head for a shadow free and homogeneous illumination of the surgical field, it should have more than 85 LEDs in the light head.
Light Head :
3 Light-head made of power-coated aluminium die case & should be circular in shape.
4 Light-head having smooth and clean surfaces that are easy and safely to clean, there should be no screws, no sharp corners in the light head.
5 One-point suspended on articulating arm , diameter below 300mm
6 Light field should be adjustable from 19 cm to 30 cm and focusing via sterilizable handle in the center of the light head and should have option to connect to HD camera in the centre of the light head.
7 No heat emission through IR radiation.
8 High fail-safety through optical light system consisting of between 85 to 120 LED's, with its own lens. In case of failure of one light source (LED), the illumination of the light field is not affected.
9 There should be a Sterilizable knob at the lower side of the light head to control of all light intensity and other functions.
10 Lighting intensity at 1m distance : min.120,000 Lux or better
11 Size of light field at 1m distance : 18-28 cm
12 Colour temperature : between 3600k- 5000k variable, can be adjusted as surgeons requirement.
13 Colour rendering index : RA95 to RA97
14 R9 (deep saturated red colour index) : >90
15 Life span of main light source : 25,000 hours- 30,000hrs
16 Supply voltage : 110 - 240 VAC / 24V DC / 24 V AC
17 Mobile Light should be supplied along with battery back up of about 4-6 hours. Should be in built.
18 LED Surgical Lighting system should meet applicable standards such as FDA or CE approved product.
The table should be having US-FDA or CE (European directive) certification.
The equipment should be designed to comply with existing international standards in terms of safety and performance i.e. ISO9001/ISO 13485, IEC60601 and UL Standard. Having EMI/EMC testing EN60601-1-2-2001-electromagnetic compatibility All technical specifications accepted in the compliance Statement must be supported by printed literature from the firm.

OT Table

1 Description of Function
1.1 A dedicated system for surgery,

2 Operational Requirements
2.1 Multi purpose powered OT table, C- Arm Fluoroscopic compatible, suitable for all major surgical procedures, complete with a corded handset with battery level indicators (choice of IR handset should also be available) and moulded, anti-static, seamless mattress.

3 Technical Specifications
3.1 Table should feature of table top with a traverse of minimum of 400 mm or more, either cranially or caudally
3.2 Full length X-ray translucent top with removable & interchangeable head and leg sections with an autolocking mechanism.
3.3 Table must allow for unrivalled C-arm access and should have powered kidney elevator of 70mm positioning without the need to move the patient.
3.4 The handset should offer controls for trendelenberg / reverse trendelenberg, lateral tilt, flexion/extension (90/75 degree), longitudinal tabletop traverse and height functions (min. height around 600-650mm and max. height around 1000-1200mm).
3.5 The brakes, wheels and castors should be controlled by one foot pedals provided at either end of the table
3.6 The table should feature an integrated stand by panel such as foot pump with all controls on column of OT Table for controlling the movements in case of handset loss or battery failure. OR Table should have service software should be able to do self diagnosis or errors of the Table and for failure tracing. It should be used for future OR integration. In case of total loss of functionality there is a foot unlock switch that will release the floor locks & allow removal of the table. There should be an integrated software controlled crash prevention system. It should have a crash prevention software to prevent it from crashing into table base on into floor when standard table top sections are attached.
3.7 The Table stem should be located under the middle of the back section making the tabletop eccentric with motorized longitudinal slide of more than 400mm.
The leg control should be controlled by remote control and should be electr-hydraulic control, leg control should be +/-45deg. & OT Table should be able to get 90 deg. Of beach chair position with remote control.

3.8 Table should be able to carry heavy patients and have a capacity of up to 300kgs with an option for width extension of obese patients.
3.9 Table should also be suitable for tall patients and have a length of at least 2000 mm
3.10 Table should offer low minimum height enabling the surgeon to operate even when seated
3.11 The table should have divided leg section with mattresses, arm board & universal clamp
3.12 Should have facilities for manual operations in case of power failures.

4 System Configuration Accessories, spares and consumables
4.1 System as specified
4.2 The table should be supplied with following necessary accessories including knee crutches and price of all under items to be quoted separately:
a. Arm supports – 2
b. Gel heel pads – 1 pair
c. Patient positioning gel strap, 20-25cms – 1
d. Hand Surgery Board – 1
e. Anaesthetic screen with sleeve – 1

f. Lithotomy Poles/crutches with pads – 1 pair
g. Douche tray with strainer to be fixed with table – 1
h. Elevated Arm Support - 1
i. Freddicks Lloyd Davis Stirrups – 1 pair
j. Fluoroscopic compatible Kidney Bridges
k. Padded head, shoulder and arm rest – 1 set each
l. Padded lateral support and shoulder supports – 1 set
m. Appropriate accessories‘ clamp.

4.3 Table should be quoted alongwith separately with Suitable Chair for the surgeon for endoscopic procedures – 1

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

6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Battery backup for 3 Hrs operation of table and battery charger

7 Standards, Safety and Training
7.1 Should be FDA/ CE/UL or BIS approved product
7.2 Should have current leakage less than 70 U/A AC (0.07m Amp).
7.3 Manufacturer/Supplier should have ISO certification for quality standards.

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

Sternum Saw (Electrically Operated)

Sternum Saw Hand Piece:

- Dediscated Sternum Saw hand piece should have minimum 14000 CPM with safe mode option .
- Saw noise level should not more than 93 db.
- Should have 3.9 mm arc of excursion.
- Light weight pistol grip Hand piece with battery should not be more than 1.2 kgs
- Option of Sternum Guard.
- Should have a DC brush less motor for low maintenance and No need of lubrication for life time.
- Tool less mounting of accessories for all blades or attachments.
- Various autoclavable option.
- Miscroprocessor controlled Hand piece Can be calibrate for the consistence performance.
- Can be fitted with Small Batterry, Large Battery or Aseptic Battery Kit.

Re Do Sternum Saw (Sagital Saw) Hand Piece:

- Dedicated sagittal saw hand piece speed of 10000-12000 cycles per minute.
- Saw Noise level should not more than 93db.
- Weight of hand piece with battery should be not more than 1.7kgs.
- Should have 5 degree arc of excursion.
- Blade mount should be adjustable to different angles with 360 degree rotation.
- Should have two speed controls with standard and fast mode.
- Microprocessor controlled Hand Piece Can be calibrate for the consistence performance.
- Tool less mounting of accessories.
- Should have a DC brush less motor for low maintenance and No need of lubrication for life time.
- Varioud autoclavable option.
- Control of fast, standard & safe mode on hand piece.

Battery Charger:

- 220-240 volts charger and should have the feature to count the charging cycle for a particular battery.
- Should have capability to identify the worn out battery.
- Should have to charge four batteries at a time with no module requirement.
- Should have an indicator to provide battery status for charging.
- Should be able to check over autoclaved battery number of time for autoclave batteries.
- Should be able to check over autoclaved total time for autoclave batteries.
- Should have reconditioning futures for battery.
- Should be able to charge different batteries with same charger.

Battery:

- Ni Mh & Ni Cd batteries with low internal impedance to deliver higher current than other battery types.
- Ni Mh & Ni Cd cells with capacity to produce more torque and non autoclavable & autoclavable option with average life of 200 approximate charging cycles.

- Should have a run time of minimum 15 minutes.
- Should be autoclavable.

Accessories & Sterilization Case:

- Sternum blade gaurd.
- Should be accommodate all hand piece, attachment and accessories for autoclave.

Certification:

- Should have US FDA certification.
- Should have European CE certification.
- Should have ISO certification.

Service & Support:

- The company must having their service center in India and the regional service support.
- The company must have repair capability in India.
- The company must provide a loaner support in case equipment is under warranty or under CMC.
- The company has to provide training & education for equipment for equipment handling to all CSSD, Bio Medical & OT Staff.
- The company must have to do minimum two times preventive maintains in one year with company trained engineer.

Specification for (-80ºC) Deep Freezer (Vertical Model)

1. Should be suitable for blood / plasma storage in blood banks.
2. Operating temperature range should be from -50ºC TO -86ºC at ambient temperature and adjustable with setting accuracy of ± 1ºC.
3. Vertical model with internal capacity to store 300 bags or more.
4. Solid outer cabinet of of stainless steel with CRCA powder coating to prevent steel to prevent corrosion. Inner cabinet of stainless steel of 304 grade.
5. Separate inner doors to prevent cold loss.
6. System should have 4-6 inner shelves of stainless steel
7. Should have microprocessor control for operation with integrated audio/visual temperature alarm function with digital monitoring display.
8. Should have minimum four hours battery backup for temperature display.
9. System should have inbuilt features to identify any temperature deviation beyond alarm set point. System should have key operated switch for main power and alarm system.
10. System should have operating temperature & high / low limit alarm functions with set point adjustable in steps of 1ºC.
11. System should have CFC free refrigerants.
12. Should be USFDA approved or European CE
13. System should have washable condenser filter to maintain peak cooling efficiency. System should have automatic voltage boost compensations for low voltage conditions.
14. System should have adjustable safety alarms with automatic, continuous charged battery back up to provide alarm functions even in case of power failure.
15. System should have appropriate polyurethane insulation
16. System should have double seal lid gasket to minimize frost build up
17. System should have minimum noise and vibration.
18. System should have 7 days temperature recorder.
19. The firm will have to supply for 5 years the temperature recorder chart papers, free chart should be provided for the period of warranty , along with the equipment free of cost.
20. Should have castor wheels with locking facility
21. Firm will have to supply the stabilizer along with the equipment free of cost
22. Original literature of equipment should be submitted.
23. Firm should also provide the relevant temperature calibration certificate for the equipment from any NABL accredited/Govt. approved Lab.
24. User" s list should be attached with satisfactory report for the last three years from three licensed blood banks with contact details.
25. Demonstration of performance of equipment is compulsory in nearby area failing to which will be disqualification.
26. Electrical: The equipment should be able to run on the existing electrical provision.

Specification for Table Top Lab. Centrifuge

1. Speed: 300-4000 rpm with increment of 10
2. Max RCF: 2000 x g or more
3. Automatic Rotor Recognition
4. Timer: 0 to 60 min, continuous operation
5. Drive system: Brush less induction drive
6. Noise level at max speed should be less than 60db
7. System should have safety features like lid lock and interlock
8. System should have microprocessor controlled pre-selection and display of speed and time, quick run
9. Centrifuge should be FDA approved or European CE
10. Braking time should be less than 45 sec.

The centrifuge should be provided with the following accessories
Swing out rotor:
11. Speed : 300-4000 rpm
12. RCF: 2000x g or more
13. Capacity: should be able to centrifuge 48 tubes of 12x100 mm and 12x75mm size and other big size tubes
14. Rotor head should be available with the firm for immediate replacement
15. Price of the spares should be quoted
16. Firm will have to supply the stabilizer with the equipment if required.
19. Noise Level should be less than 58 dB
20. Firm should supply the relevant calibration certificate for the equipment from NABL accredited Lab.
21. Electrical: 230 volts 50 Hz. Single Phase.

Incubator

1. The incubator should be suitable for incubation of all laboratory items including ELISA plates of TTI markers
2. Dimensions should be approximately 600 x 600 x 600 mm
3. Should be sturdy, double walled construction with complete inner chamber made of Anodized Aluminum or Highly Polished Stainless Steel.
4. Gap between the walls should be filled with special grade insulation material for proper insulation and to avoid heat losses.
5. Should have inner chamber fabricated with ribs for adjusting shelves to convenient height.
6. Should be supplied with 2 or 3 removable shelves.
7. Heating element should be placed at the bottom and side ribs for uniform temperature all over the space.
8. Should have the temperature control by thermostat from 20ºC above ambient to 50ºC ±0.5ºC. Temperature control knob should be graduated in degrees centigrade.
9. Should be provided with Air ventilators port on sides at top for ventilate fumes & to assist convection process.
10. The equipment should be provided with a panel having a thermostat control knob, ON/ OFF switch and indicator light.
11. Firm should also provide the relevant temperature calibration certificate for the equipment from any NABL accredited Lab.
12. Should be supplied with cord and plug. Suitable to operate on 220 V single phase, 50 Hz, AC supply.
13. Original literature of equipment and consumables should be submitted.
14. Demonstration of performance of equipment is compulsory in nearby area for technical evaluation failing to which will be a disqualification.
15. Electrical: The equipment should be able to run on the existing electrical provision
16. CE/ISI mark or other equivalent quality certification.

MICROPIPETTES SET

1. Micropipettes are micro tools constructed from anti corrosive material tubing's for microinjection and micromanipulation purposes.
2. Required in various sizes and compatible with all brands of tips.
3. Micro pipettes required in following sizes:1-10 ul, 10-100 ul, 100-1000 ul, 0.1-2.5ul; 2.0-20ul; 20-200ul; 500-5000ul.
4. Suitable for all brands of tips.
5. Adjustable for variable volume.
6. Offer high accuracy and precision variations in volume acceptable as permissible in calibration requirements.
7. With tip ejector mechanism.
8. Made of corrosion proof material.
9. Should be disinfect able/autoclavable to quality requirement levels.
10. Shall meet IEC-60601-1-2 :200(Or Equivalent BIS) General Requirements of Safety for Electromagnetic compatibility.
11. Should be capable of being stored and operable at ambient temperature.
12. Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001applicable to manufacturers and service providers that perform their own design activities.
13. User/Technical/Maintenance manuals to be supplied in English.
14. Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
15. Certificate of Calibration and inspection from the factory.
16. List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
17. Compliance Report to be submitted in a tabulated and point wise
    Manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.
18. Single hand operation with spring coated tip cone for better fitting tips.
19. Should be USFDA/European CE approved product.
20. Should have 2 years warranty.

Binocular Microscope

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

Fully Automated Tissue Processor

1. Free standing, bench top unit, automatic tissue processor for programmable processing of histological tissue specimen.
2. Bench top unit movable on roller/castors provided with vacuum function and fume control.
3. Processing station – 12 (10 reagents, 2 wax stations)
4. Capacity of reagent vessels – 1.5 t0 2.o ltrs.
5. Wax temp. Range of 50-70 deg. C & over temperature release at 75 deg. C +/- 5 deg. C as an auto protection.
6. Minimum of 100 cassettes capacity in each basket.
7. Containers to be closed for user protection.
8. Storage facility of 9 or more complete programs that can be freely set by the user. Programs to include selection of infiltration time, spiral, vertical, centrifugation agitation,
9. Tissue baskets that can be easily loaded and unloaded with hanger clips in the unit's hood.
10. Should have delay start feature which is programmable up to 9 days in advance.
11. An ergonomic control panel with LCD display to show all parameters like program number, duration, time, date, paraffin bath temperature.
12. Facility for keyboard lock by user to avoid inadvertent change of the process parameters during operation.
13. It should be provided with an emergency stop button.
14. Insulated electric and electronic components from working area for protection of operator and the equipment.
15. Facility to have a correction and alarm during program deviation from the preset program.
16. Accessories like containers for reagent, 2 stainless steel cassette baskets, 3 wax baths of aluminium/ SS, tissue cassettes.
17. Automatic processing recovery after power failure.
18. Power requirement of ac 220 $\pm$ 15%, 50-60Hz.
19. After sales service in Delhi/ NCR.
20. The equipment should have European CE/USFDA APPROVED.

Rotary Microtome with 50 blades

1 Description of Function
1.1 Automatic microtomes are precision instruments designed to cut uniformly thin sections of a variety of materials for detailed microscopic examination. The microtome operation is based upon the rotary action of a hand wheel activating the advancement of a block towards a rigidly held knife.

2 Operational Requirements
2.1 Automatic microtome for histopathological section cutting specimen up to 40 x 55 mm

3 Technical Specifications
3.1 Specimen advance 1 to 1000 µm
3.2 Integrated, smooth hand wheel that locks in any position
3.3 Fine orientation of specimen with specimen tilt of 8 deg. XYZ.
3.4 Quick charge for all specimen clamps
3.5 Disposable blade holder for high & low profile blade.
3.6 Section Waste tray
3.7 Standard accessories to include the following: Object orientation set, Universal Cassette Clamp, universal knife holding base, Std knife holder, sharp blade holder, Waste tray, Dust cover, 50 each low and high profile disposable Microtome blades.
3.8 Automatic and manual operation.

4 System Configuration Accessories, spares and consumables
4.1 System as specified-
4.2 All consumables required for installation and standardization of system to be given free of cost.
4.3 Knives and disposable blades.

5 Environmental factors
5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.2 Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%.

6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Suitable UPS with 30 Min backup

7 Standards and Safety
7.1 Should be USFDA or European CE approved product
7.2 Manufacturer should be ISO certified for quality standards.

Cytospin

1. Should process a minimum of 12 specimens at one time.
2. Accepts all protocols.
3. Lid release mechanism to augment one handed opening and closing.
4. It should operate only when the lid is locked into position and the lid should remain locked during rotation.
5. Polycarbonate window to allow the operator to see the sealed head during cyto-centrifugation.
6. Accidental fluid spillage protection so that no damage to the mechanical or electronic components takes place.
7. Designed for easy disinfecting.
8. Should meet IEC61010 standards for centrifuge safety.
9. Pull-out program card to allow seven to nine programs to be logged for fast and convenient retrieval of date.
10. Provision to protect the operator before, during, and after sample preparation. Should allow the user to load the sealed head in a microbiological cabinet as a safety measure.
11. Auto-locking, plastic outer lid and Auto-clavable sealed head.
12. Disposable sample chambers with caps and Safety alarams that protect users and specimens.
13. Wipe-clean control panel for proper upkeep of the instrument.
14. A cytocentrifuge, which operates at a speed of between 200 and 2,000 rmp, which forces the cells from a suspension onto a microscope slide and a blotter simultaneously, absorbs the suspension medium. For cytoevaluation of cells under microscope.
15. Should be microprocessor controleed compact centrifuge with sealed rotor head for separation of cells found in body fluids. Cells should be directly attached in a monolayer to a microscope slide by means of centrifugal force using a slide and funnel device.
16. Speed range at least 200-2000rpm and Time range at least 1-99 minutes.
17. Number of specimen- can handle a minimum of 12 samples in one cycle.
18. Memory to store 15-20 preset procedures & there be a membrang keypad C bright LCD/LED display of time, spec. Programme protocols.
19. Audio alarm for out of balance, outside speed tolerance or if the lid is not properly locked. The system should not run if the lid is not locked properly.
20. Specimen safety alarm should be incorporated in the instrument for the user to be reminded at specific intervals to remove specimen, protect them from air drying for an improved consistency of results.
21. System design should prevent accidental spillage and should allow for easy disinfection.
22. It should be supplied with reusable and autoclavable specimen chamber capable of handling low volumes and high volumes.
23. Should have Europiean CE or GS or U/L certification.
24. Power input to be 230 V+/-10%, 50Hz,
25. Comprehensive training for lab staff and support services till familiarity with the system.
26. Accessories for start up for 1000 samples.

HOT AIR OVEN

- Microprocessor based digitally controlled equipment suitable for daily usage.
- Should have double walled construction, special high quality insulated steel.
- Facility for adjustable shelves, 2-3 removable shelves to be provided.
- Size of inner chamber in cm approx 60x60x60 cm: External size 90 x 85x110 (or as per user demand) with internal lighting facility.
- Insulated door fitted with heavy hinges, Silicon door gasket and mechanical door lock.
- Temperature range 5^0 C-250^oC,
- Temperature control accuracy $\pm$ 1^0 C of set point
- Digital Temperature indication and control.
- Separate PT 100 sensor and $3^{1/2}$ digital display for temperature (LCD).
- Motorized uniform air circulation, Digital safety thermostat.
- Delayed start and stop function, high quality heating element
- Supplied with cord & plug, operating on 220V/50 Hz AC supply
- Warranty as per bid.
- Availability of spares / disposables for at least 10 years.
- All consumables required for installation and standardization of system should be provided free of cost
- List of users and Satisfactory Report of quoted model from reputed institute / hospital
- Should have all the accessories required for the functioning of the equipment.
- CE / ISI mark or other equivalent quality certification.
- All electrical peripherals required for smooth functioning e.g. voltage stabilizer provided with the equipment
- There should be provision for demonstration before final approval of equipment. Training of laboratory staff for the purchased equipment
- Service centre should in close proximity.
- Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.

SINGLE PAN BALANCE

1 Description of Function
1.1 Electronic Balance is required for precision weighing of Lab samples.

2 Operational Requirements
2.1 Microprocessor based single pan Analytical Balance with High accuracy & precision is required.
2.2 Reading of the weight by digital display.
2.3 Electronic top loading balances with transparent case
2.4 The balance should have functions of piece counting, percent weighing, formulation, dynamic weighing with automatic and manual start and provision for data interface

3 Technical Specifications
3.1 Weigh accurately up to 3rd decimal place of one gm.
3.2 Fully automatic Time and/or temperature controlled internal calibration and balance should be capable to adjust itself.
3.3 Auto zero Setting
3.5 Weighing capacity 210 gm
3.6 Readability: 0.001g
3.7 Repeatability: 0.9mg
3.8 Settling time 1.5 second
3.9 Suitable internal and external adjustment weights.
3.10 Pace-setting interfacing flexibility - Port should be available for data capture and network integration 3.11 Balance should have the following features:- Touch Screen/LCD Display. /round weighing Pan -free operation for personnel security and automatic draft shield opening and closing. Toolbox, including user administration and password protection.

4 System Configuration Accessories, spares and consumables
4.1 System as specified-
4.2 Should be supplied with standard external and internal weights as specified.

5 Environmental factors
5.1 Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.or should comply with 89/366/EEC; EMC-directive.
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.3 Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%

6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Resettable overcurrent breaker shall be fitted for protection

7 Standards, Safety and Training
7.1 should comply with ISO/GLP with auto validation with ink jet printer
7.2 Should be FDA or CE or BIS approved product
7.3 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450
7.4 Manufacturer/Supplier should have ISO certificationfor quality standards.

PH METER

The pH meter should have following specifications

Microprocessor based.

pH Range: 0 to 14 pH

mV Range: 0 to 1999.9 mV

Temp range: 0 to 100ºC

Resolution: 0.001 pH, 0.1mV and 0.1ºC

Accuracy: 0.01pH±1 digit, 0.1mV, and 0.1ºC

Calibration mode: Auto/Manual

Temperature compensation Auto/Manual from 0 to 100ºC

Auto Buffer Recognition for 4.00, 7.00 and 9.2 pH

Read out: 16×2 line LCD display

Storage: Up to 90 samples

Keyboard: Soft touch membrane type Keys

Printer port: For attachment of dot matrix or suitable printer.

Deep Freezer(-20 deg C)

1. Description of Function
1.1 Deep Freezers are required to preserve blood and blood products, vaccinations etc at specified temperature.

2. Operational Requirements
2.1 Vertical Freezer, at least double door with adjustable 6 to 8 shelves (frost free)
2.2 Separate Chamber racks to be pulled out for easy handling
2.3 Non-CFC refrigerant

3. Technical Specifications
3.1 Capacity within 275L to 300L
3.2 Digital display of set and actual temperature, with audiovisual alarm
3.3 No condensation on storing material with automatic electric defrost
3.4 Construction: Solid rust free cabinet to prevent corrosion and lockable castor wheels.
3.5 Refrigeration System Heavy Duty refrigeration system, maintenance free, below -20 deg C (± 1 Deg. C) with hermetically sealed refrigeration compressors and reliable refrigeration to minimize noise and vibration, air cooled with security lock to prevent unintentional switch off shall be supplied. It should have maximum cooling time hours at maximum ambient temperature of 33deg C. The equipment should be of continuous duty and frost free.
3.6 Alarm It should also have audio visual Electronic Alarm System independent of power supply.
3.7 Insulation High density polyurethane or equivalent Gaskets - Double seal silicon.
3.8 Freezer must be manual defrost
3.9 Should have a keyed on/off switch. and must have interior lighting with external on/off switch
3.10 Must have digital temperature control with hi/lo audible and visual temperature alarms and low battery alarm.
3.11 must use forced-air circulation to maintain internal conditions

4. System Configuration Accessories, spares and consumables
4.1 As specified

5. Environmental factors
5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -35deg C and relative humidity of 15-90%
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40° C and relative humidity of 15-90%

6. Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug

7. Standards and Safety
7.1 Should be USFDA or European CE approved product
7.2 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.

8. Documentation
8.1 User manual in English
8.2 Service manual in English

8.3 List of Equipment available for providing calibration and routine Preventive Maintenance Support. As per manufacturer documentation in service/technical manual.
8.4 Certificate of calibration and inspection from factory.
8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
8.6 List of important spare parts and accessories with their part number and costing available in stock with the supplier.

TRINOCULAR MICROSCOPES WITH CAMERA COMBINED VIDEO DISPLAY WITH IMAGE ANALYZER

1 Description of Function
Trinocular Microscope is used for all test in the laboratory requiring microscopic examination.

2 Operational Requirements
2.1 Microscope body- Ergonomic design microscopy body with built in transmitted Kohler illumination for uniform illumination throughout the field of view including periphery

3. Technical specifications
3.1 Optical System: Infinitely corrected optics par focal, plan achromatic lenses with anti-fungal properties.

3.2 Illumination: • Built in transmitted Koehler illumination. • Light source: LED

3.2 Focusing • Coaxial coarse and fine adjustment • Stage height movement by roller guide (rock & pinion) • Upper limit stopper • Tension adjustable on coarse focus adjustment knob

3.3 Revolving nosepiece • Quintuple with inward tilt

3.4 Observation tube: • Tube inclination – 30 -45 0 • Interpupillary distance adjustment range – minimum 50 to 70 mm • Mechanical tube length-160mm

3.5 Stage • Movement range – 76 mm X - direction X 50mm Y - direction • Rectangular scratch resistant stage with right hand control with double slide holder and vernier calipers on X Y axis.

3.6 Condenser
• Type – Abbe condenser-Swing-out type • N.A. – 1.2 dry type • Aperture iris diaphragm - built – in
• Filter holder with removable blue filter.

3.7 Objectives, Plan Achromat antifungal treated infinity corrected parfocal (60/45mm) 4x, 10x, 20x, 40x & 100x (Oil Immersion)

3.8 Minimum working distance for 100X should be 0.13 to 0.2 mm

3.9 Eyepiece • 10X with F.N 20 or more
All the necessary adapters and power cords should be provided free of cost with each microscope for functioning of microscope :- I) Oil for oil immersion lens – 1 bottle

3.10 Digital Scientific Camera system with cooling facility
Digital color camera capable of handling brightfield, fluorescence, DIC, Darkfield images with 2/3" high density CCD chip, atleast 15 Mega pixel resolution, live display MP Mode: (5M interlace mode- 5.9 frames/sec; 23 frame per/sec with ROI & Binning) Binning modes: 2x2,4x4, digital zoom: upto 16x (8steps): interval shooting: 5 sec, 12hr intervals; software should come alongwith camera: for acquiring & capturing of images should have separate modes for different microscopy techniques i.e Brightfield, Fluorescence, DIC, Darkfield images.
Storage option in TIFF/RAW and JPEG formats. , UPS 600VA. Colour monitor 19" or more.

3.11 Data collection and processing unit:
Branded Intel Core i5 with 500GB or more HDD/4GB RAM/1GB Graphic Card/DVD-ROM RW, Keyboard, Mouse, UPS 600VA. Colour monitor 19" or more.

3.12 Note:
Microscope should be upgradable to fluorescence attachment (130w), phase, contrast, darkfield, Polarising, DIC Attachment, Multiviewing attachment (5 persons) etc. in future.

3.13 Software
Printer: Color laser MFD with>600 DPI minimum resolution, with wireless connectivity.
Computer: Onboard LAN card, wireless 802: 11W card. Monitor 21" screen LED
Printing:
Highend: Opitcal mouse pointing device > 1000 DPI
Software: Photography Editing, storage, filing and retrieval software
Photoshop CS3 professional
Photoshop Album. Antivirus, Antispyware, fire wall security software. Digital control of camera exposure and image capture.

4 Environmental factors
4.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
4.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%

5 Power Supply
5.1 Power operation 100-240 V, 50-60 Hz, universal voltage, SMPS circuit for constant voltage.

6 Standards and Safety 6.1 Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001 applicable to manufacturers and service providers that perform their own design activities.
6.2 Should be US-FDA or European CE approved product

7 Documentation
7.1 Certificate of calibration and inspection from factory.
7.2 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue.
7.3 User/Technical/Maintenance manuals to be supplied
7.4 Log book with instruction for daily , weekly, monthly and quarterly maintenance checklist. 7.5 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
7.6 List of important spare parts and accessories with their part number and costing.
7.7 Demonstration of the equipment is mandatory.

Binocular Microscope with dual viewing facility

- Should have CE, ISO & ISI Certification
- 6V30W/3LED Kohler Illumination
- Inward Quintuple Nosepiece with slot for POL/DIC
- Infinity corrected Optical System with Infinity Plan Objectives 4X,10X,40X,100X
- Double Layer mechanical stage with capacity to hold to specimen slide at a time
- 2 Nos./Dual Siedentopf Observation head inclined at 30 degree with WF 10X /20 Eyepiece
- Dual Viewing system should located be in front & back position of microscope

Automated Slide Stainers

1. Description of Function
1.1 Automatic Slide Stainer is used for staining histological and cytological slides.

2. Operational Requirements
2.1 Should be programmable for routine H & E & other special stains with facility for imunohistochemical stains & memory of various staining procedures

3. Technical Specifications
3.1 Should hold about 18-20 slides per basket
3.2 Basket chemical capacity 300-500ml
3.3 At least 2(two) water stations with 24 work stations,(Programmable) with timing in minutes & second & facility for single & double load.
3.4 Agitational facility
3.5 Can be connected with any make automatic cover-slipper

4. System Configuration Accessories, spares and consumables
4.1 System as specified-
4.2 Bio chemical baskets - 10 Nos.
4.3 Slides Hangers - 10 Nos
4.4 All consumables required for installation and standardization of system to be given free of cost for 1000 slides.
4.5 H & E stain, PAS Mucicarniumiue, Alcon and Brumin – 50x10g

5. Environmental factors
5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
5.3 A fume hood completely covering the slide plates to prevent hazardous fumes from entering the lab area and an activated charcoal filter to minimize solvent vapors should be provided.

6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

7 Standards and Safety
7.1 Should be USFDA or European CE approved marked product

Tissue Embedding Station

1 Description of Function
1.1 The Paraffin Tissue Embedding Center (TEC) is a modular unit for moderate to heavy workloads in the preparation of wax tissue blocks.

2 Operational Requirements
2.1 System should be modular and complete with microprocessor control of the large 3-5-litre paraffin reservoir, base molds warming oven, tissue holding tank, work stage and cold plate; user-friendly touch membrane pad with LED/LCD displays; lighted work stage; built-in forceps warmer; foot switch and/or push button-activated paraffin dispenser; and programmable, automatic timer controls.

3 Technical Specifications
3.1 Paraffin Reservoir capacity at least 3 liters
3.2 Temperature ranges: Paraffin Reservoir:50 deg C - 70 deg C (± 2deg C) Work Surface:50 deg C - 70 deg C (± 5 deg C) Tissue Holding Tank:50 deg C - 70deg C (± 2 deg C) Cold Plate: - 5 deg C to -15 deg C to ambient
3.3 Refrigerant :Cold Plate, Cold Spot (peltier controlled)
3.4 There should be a Membrane Keypad with LCD/LED to set and display operating parameters, current status, running time and alarm conditions for time and temperature.
3.5 Resolution of temperature display: +/- 1 deg C
3.6 Unit should have self test on power up and should display error codes in case of malfunction for easy maintenance and troubleshooting. Error codes should be indicative of the System failure or a single module failure.
3.7 Dimensions :(All dimensions variations +/- 10 % rounded off to integral value.) Height of Work Surface: 6 cm or more Cold Plate: (at least to hold 60 to 100 cassettes)
3.8 Receptacle for 6 forceps
3.9 Pre heated forceps of two types (for small and medium size tissue)
3.10 Drain Wax should remain in melted form

4 System Configuration Accessories, spares and consumables
4.1 Prices should be quoted for each separately: Standard size Cassettes – 1000 Nos.
4.2 Large field Magnifying lens with cold light source
4.3 Stainless Steel Moulds of different sizes (Depth 9 to 12 mm) – 80 Nos.
4.4 Paraffin Scrapper – 3 Nos.
4.5 Halogen Bulb – 12 Nos.
4.6 Fuse – 12 Nos.

5 Environmental factors
5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
5.2 Thu unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of 80%.

6 Power Supply
6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
6.2 Reset table over current breaker shall be fitted for protection
6.3 Suitable UPS with 60 min backup.

7 Standards and Safety

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

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

GROSSING STATION WITH FUME HOOD

1. Minimum 58-65 inches long.
2. Heavy duty stainless steel seamless construction with polish.
3. Single compartment sink.
4. Chrome plated hot and cold water taps with swivel neck.
5. Foot operated faucet control for hot and cold water.
6. Magnetic instrument holder.
7. Top mounted fluorescent lights.
8. Thermoplastic cutting board.
9. Magnifier (3-4x) with light source.
10. Halogen light mounted on swivel lamp.
11. Formalin kdispensing system with minimum 4-5 liter capacity.
12. Adjustable shelves.
13. Digital platform scale, 2 kg capacity.
14. Dissection boards.
15. Spray hose assembly with hand control.
16. Small specimen rinse basket with stainless steel holder/strainer.
17. Dissecting area rinse to provide a constant flow of water to work area.
18. Three side rinse or end rinse to provide a constant flow of water to the work surface.
19. Self -contained ventilation system with replaceable filters.
20. Dictation equipment with foot control or voice operation.
21. Camera mount facilities for use of a digital or 35mm SLR camera.
22. Eyewash assembly.
23. Pull-out drawer and Pull-out writing platform.
24. Stainless steel c-fold paper towel holder and Removable measuring rule in cm/in.
25. Power requirement: ac 220 $\pm$ 155,50-60hz
26. After sales service in Delhi/NCR.
27. System should have facility for UV light disinfection and protected.
28. Should kby USFDA / European CE certified.

AUTOCLAVE (VERTICAL)

1. Automatic adjustable working pressure system.
2. Double walled.
3. Inside boiler made of stainless steel & outside mild steel finished in cream enamel.
4. Radial locking system lid.
5. The panel is provided with on/off switch, pressure gauge, steam release valve & indicators to show the working of mains & pressure control system.
6. Electrically operated on 220V A/C with stainless steel basket.
7. Digital Temperature controller with inbuilt timer that will cut off the heaters automatically after lapse of pre set time at the pre set temperature.
8. Microprocessor based PID controller.
9. Height: 600mm.
10. Diameter inside: 450mm(24||x18||)
11. Should be FDA or CE or BIS approved product

Automated ESR Analyser

a. Tube employed: Special 8 x 120 mm tubes
b. Reading channels: 20
c. Analysis time: 30 or 60 minutes
d. Analytical capacity: Minimum 40 tests/hour (30 minute working time)
e .Loading capacity: Maximum 20 samples at a time
f. Loading pattern: Random/batch
g. Results: In Westergren mm/h (by interpolation)
h.Temperature correction: Automatic compensation referenced to 18Â° C (Manley)
i. Measuring method: Infrared beam
j. Reading resolution: +/- 0.2 mm
k .Results resolution: +/- 1 mm
l. Acceptable blood draw level: 0.90 to 1.20 ml
m. Display: GRAPHIC LCD with backlight
n. Provision for barcode scanner
o. Voltage: External power supply: 100 - 240 Vac, 47 - 63 Hz 12 Vdc, 3.5A

Automatic Semen Analyzer

- The system should be able to analyze Semen.

- The system should be able to analyze the semen in natural and non diluted condition.

- It should have WHO paramaters for analysis like:
  - Total Sperm Count
  - % Motility
  - % Normal Morphology

- It should give other parameters like
  - TFSC - TOTAL FUNCTIONAL SPERM COUNT.
  - SMI - SPERM MOTALITY INDEX.
  - MSC - MOTILE SPERM CONCENTRATION

- The Instrument should be able to display all these parameters on screen.

- The Instrument should be able to analyze the semen in less than 1 minute.

- The instrument should have in built printer for the ease of result print out

- Should have USFDA/European CE certified.

FULLY AUTOMATED HEMATOLOGY ANALYSER-6 PART DIFFERENTIAL WITH RETICS & NRBC

S. No	Technical Specification as per tender document
1	Should provide complete blood cell counting including 6-part WBC differential with doing Retics & NRBC enumeration/flag.
2	Should be fully automated.
3	Must automatically enumerate/flag Nucleated Red Blood Cells in the CBC/Diff mode and without additional reagents.
4	Should have provision of body fluid analysis mode with measurement of polymorphs and mononuclear cells.
5	Must analyse leucocytes through laser based scater analysis/laser flow cytometry/optical cytochemical analysis. Should preferably give immature granulocyte/cells fraction.
6	Haemoglobin method equal in accuracy to reference method.
7	Platelet counting and reticulocyte counting should be accurate with immature reticulocytes.
8	PC based data management with all scatter plots, histograms and display and in print and storage.
9	Open vial predilute and closed vial modes should be available.
10	Must have integrated bar code identification facility & clot detection facility.
11	User defined rules & flagging limits.
12	Database capacity of atleast10000 sets of results or graphics
13	Should be able to transmit results to host computer.
14	Through put should be minimum 100 samples/ hour
15	Linearity of PLt to be from 0.0 to3000-5000x1000 cells/microliters
16	WBC linearity should 0.0 to 300-400 x 1000 cells microliters.
17	Must be able to select CBC and differential and reticulocyte testing mode.
18	Must extend analysis time for cytopenic samples (RBC, PLt and WBC).

19	Hb should be measured by cyanide free/any reference method.
20	There should be option to choose reticulocyte mode.
21	Should preferably be able to differentiate between smaller RBCs and Larger Platelets.
22	The supplier should have excellent service backup and atleast 5 similar machines installed in reputed hospitals in Delhi & NCR.
23	Availability of spares should be for a minimum 10 years from the date of supply.
24	Should have QC feature like
	a) Delta Checks for cumulative review.
	b) Facility for online QC data validation.
25	c) Adequate number of files for QC to be stored.
26	Laser printer to be supplied with the instrument.
27	Should have inbuilt autoloader cum mixer with capability of loading minimum of 60 samples at any times. Should preferably have reflex sampling.
28	Should be able to provide atleast 30 different parameters.
29	Suitable online UPS with 1 hour battery backup.
30	Cost of Reagents @ 100 samples/day for 2 years should be provided with the equipment for evaluation purpose.
31	Cost of tri-level control/month to be quoted for 2 years which will be considered for evaluation purpose.
32	Should work on 200-260 volts.
33	Should be European CE/US FDA approved
34	Start-up kits/reagents for 5000 tests to be provided free of cost along with equipment at the time of installation.
35	Protective rodent cover for the equipment to be provided free of cost along with the equipment.
36	List of important spare parts & accessories with their no. & costing @ 2years.
37	Calibration to be given by the service provider once in a month free of cost as per the requirement.

Automated Coagulation Analyzer (Coagulometer)

Specifications:

Fully automated, open random access, 4 or more detector channel Blood Coagulation Analyzer having clotting, chromogenic and immunological assay channels.

Clotting detection methods by recording change of viscosity and/or change of light transmitability and permitting both chromogenic and immunogenic assays

Parameters Provision for simultaneous random analysis for at least 5 parameters such as PT, APTT, Fibrinogen, Protein S , Protein C, ProC, Antithrombin III, Heparin, Plasminogen Activator inhibitor, Fibrin Monomer, D-Dimer, Lupus Anticoagulant, and coagulation factors VIII & IX .

Should have throughput of at least 40 tests per hour for PT.

Should be provided with a compatible printer.

Should have a intra assay reproducibility of:

Normal Patient PT < 2.0% PT < 2.0% APTT < 2.0% APTT < 2.0% Fibrinogen < 4% Fibrinogen < 5%

Accessories required :
1) All standard accessories
2) Compatible Online UPS withatleast 30 minutes back up.

Optional Consumables* : Quote list price of All consumables for 1000 tests.

Optional features : 1) Bidirectional cost of each features should be quoted seperatly.

Requirements at installation : To be installed by the Company

Cost of PT & APTT Tests @ 40 samples/day should be fixed for a period of 2 years & will be considered for evaluation purpose.

Per test cost of consumables, cuvettes, cleaning solutions should be clearly specified & will be considered for evaluation purpose.

Laser (Clinical CE/IVD) Flow Cytometer

1. Should have simultaneous minimum 06 fluorescent (6 color) parameters analysis plus forward & side scatter. For each parameter the flow cytometer should be capable of measuring area, height and width. System should have PMTs on both forward & side scattered.
2. Should be equipped 2 solid state Laser (Blue 488nm & Red 633-640 nm)
3. Lasers should be fix/factory aligned without the need for onsite alignment.
4. Optical filters should be easily changeable by user without having to call service engineers
5. The flow cytometer should have high quality quartz flow cell.
6. Must have Compensation capability on-line as well as post-acquisition, between all fluorescence channels manually and through auto compensation.
7. The equipment should have digital signal processing with dynamic range of at least 18 bit data acquisition or more in order to get the clear resolution of populations
8. Events per second: 10,000 or more
9. Sample carry over rate must be ≤0.1% and should work with minimum sample volume (not more than 50 microliter).
10. Must have Bar Code reader (inbuilt or external) for easy sample tracking, ID etc. and for complete automation
11. The Instrument should have bio-hazard containment facility for probe washing.
12. System should have on-site facility for 8 colour upgrade for future parameter extension
13. Software: PC controlled Windows based software (System should come with all required acquisition/analysis software) with PC Hardware with compatible configuration with Coloured LCD Monitor.
14. System should be IVD/USFDA for minimum 6 colour assays for clinical patient sample use & reporting purpose.
15. Starter Kit for 200Tests (Including Sheath Fluid, Cleaning reagents, Tubes, Calibrators & controls)
16. Clinical Antibodies for 100 Tests with below panel :-
17. Fluorochrome labelled Antibodies for Acute leukemias, chronic lymphoproliferative disorders, Multiple Myeloma should be available with the company and compatible with the machine.
18. The instrument should be able to set threshold (discriminators) on any parameters & should have ability to set multiple thresholds.
19.UPS of suitable rating with min. 30 minutes back-up to be supplied.
20. Start-up kits/reagents for 100 tests to be provided free of cost along with the equipment at the time of installation.
21. Protective rodent cover for the equipment to be provided free of cost along with the equipment.
22. List of important spare parts & accessories with their noumber & costing @ 2 years.
23. Calibrator to be given by the service provider once in a month free of cost as per the requirement.

SECTION-VII

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

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

3. Training:

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

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

   a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next **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.

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 Works:

The Tenderer shall examine the existing site where the equipment is to be installed to assess the site condition for Equipment placement and installation. Whether the scope of Turnkey Works is mentioned in the Technical Specifications or not, the bidder's offer should be on a "Turn Key" basis including all costs associated with the supply, installation and commissioning of the equipment.

For equipment, the major Turnkey work to be carried out 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 Hospital/Institution/Medical College. The Turnkey costs to be quoted in Indian Rupee will be added for Ranking Purpose. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later. The Turnkey Work should completely comply with AERB requirement, if any.

Bidders must take into consideration in its bid, the costs to be incurred for any additional work pertaining to civil, Electrical, Plumbing, sanitary, Radiation protection as per Govt. regulation, furniture, servo stabilizers, U.P.S. etc. required for successful installation testing and commissioning of the Medical Equipment and the "All inclusive lump sum price" should include all such costs, each **schedule/package** is to be considered a package in itself and suppliers to execute the order package on a "turn key basis" including all civil, electrical, air – conditioning & allied requirement for the equipment, at the site.

For X-Ray and related equipment, bidders who have Type Approval/NOC of AERB/BARC shall only be considered with documentary evidence. It shall be bidder's responsibility to get the equipment installed and commissioned as per AERB / BARC guidelines and installed and commission on "Turn Key basis". Bidders must take into consideration in its bid the costs to be incurred for any additional work viz. Electrical cabling, plugs of suitable ratings from the source, Electrical points of suitable ratings, water connection, water drainage, plumbing, air-conditioning, Radiation protection/shielding, mechanical & allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the quoted "All inclusive lump sum price" should include all such costs.

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

1. The tenderer must be a manufacturer or it's authorized Indian Agent. They may authorise their agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.

2. (a) The Manufacturer should have supplied and installed in last Five years from the date of Tender Opening, at least 50% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily in Government Hospitals / Private Hospitals / PSU Hospital/ UN Agencies. Tenders shall submit Performance Certificate / Installation reports & order copies in respect of the above.

2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India. Tenders shall submit Performance Certificate / Installation reports & order copies in respect of the above.

Note

2. The tenderer shall give an affidavit as per Section-XIX of the TE document.

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

   The manufacturer/Indian Agent as Tenderer shall furnish Satisfactory Performance Certificate/Installation Reports in respect of above, duly notarized in the country of origin, along with the tender.

   The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.

4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.

5. Tender shall submit audited balance sheets for the last three years. Annual Turnover statements should be certified by chartered accountant bearing their membership No.

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

PROFORMA 'A'

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

Section – X
TENDER FORM

Date_____

To

Medical Superintendemnt & VMMC,
Safderjung Hospital,
New Delhi.

Ref. Your TE document No. _____dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver_____ *(Description of goods and services)* in conformity with your above referred document for the sum of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.
We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.

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

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.
We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.
We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

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

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

Date: _____ **Seal of the Tenderer**_____

SECTION – XI PRICE SCHEDULE

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5						6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Currency)						
				FOB/FCA price at port/ airport of Lading (a)	Carriage & Insurance (port of loading to port of destination) and other Incidental costs (b)	CIP Price (name place/port of destination in India (c)	Loading & unloading at name 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)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site ** (e)	Unit Price on CIP Port of destination + Extended Insurance+ local transportation and storage at consignee site) (f) = c+d+e	Total price on CIP Port of destination + Extended Insurance+ local transportation and storage at consignee site) 4X 5 (f)

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

Total Tender price in foreign currency: _____

In words: _____

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. *The Tenderer will be fully responsible for the safe arrival of the goods at destination (consignee site) in good condition as per terms of DDP at Consignee's site as per INCOTERMS, if applicable*

Custom Duty @ 11.76% & Custom Clearance Charges @ 2% will be added to CIP charges to arrive at DDP Price at consignee site for evaluation purpose.

Indian Agency Commission - __% of FOB/FCA

Signature of Tenderer_____

Name_____

Business Address_____

Place: _____

Signature of Tenderer_____

Date: _____

Seal of the Tenderer_____

SECTION – XI PRICE SCHEDULE

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

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

*** After completion of Warranty period**

NOTE:-

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. 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.
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.

Name_____
Business Address_____
Signature of Tenderer_____
Seal of the Tenderer_____

Place: _____
Date: _____

SECTION XI– PRICE SCHEDULE
D) PRICE SCHEDULE FOR TURNKEY

Schedule No.	BRIEF TURNKEY DESCRIPTION OF GOODS	CONSIGNEE	Turnkey price

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer_____**

Date: _____ **Seal of the Tenderer_____**

SECTION – XII
QUESTIONNAIRE

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

1. The tenderer should furnish specific answers to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark "not applicable".

2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

SECTION – XIII
BANK GUARANTEE FORM FOR EMD

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

(1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.

(2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-

a) fails or refuses to furnish the performance security for the due performance of the contract.

or

b) fails or refuses to accept/execute the contract.

or

c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

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

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

(Signature of the authorised officer of the Bank)

Name and designation of the officer

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

SECTION – XIV
MANUFACTURER'S AUTHORISATION FORM

To

Medical Superintendemnt,
Safderjung Hospital & VMMC,
New Delhi.

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 to legally bind the manufacturer.
2. Original letter may be sent.

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To
Medical Superintendemnt & VMMC,
Safderjung Hospital,
New Delhi.

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no_____ dated _____ to supply (description of goods and services) (herein after called "the contract").
AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;
AND WHEREAS we have agreed to give the supplier such a bank guarantee;

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

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

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

This guarantee shall be valid up to 30/66 months from the date of Notification of Award i.e. up to ---------- (indicate date)

……
(Signature with date of the authorised officer of the Bank)
……
Name and designation of the officer
……
……
Seal, name & address of the Bank and address of the Branch

SECTION – XVI
CONTRACT FORM - A

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

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

Contract No_____ dated_____

This is in continuation to this office's Notification of Award No_____ dated _____

1. Name & address of the Supplier: _____
2. Purchaser's TE document No_____ dated_____ and subsequent Amendment No_____, dated_____ (if any), issued by the purchaser
3. Supplier's Tender No_____ dated_____ and subsequent communication(s) No_____ dated _____ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

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

   Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.
5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:
   (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

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

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

2. Delivery schedule

(iii) Details of Performance Security

(iv) Quality Control

(a) Mode(s), stage(s) and place(s) of conducting inspections and tests.

(b) Designation and address of purchaser's inspecting officer

(v) Destination and despatch instructions

(vi) Consignee, including port consignee, if any

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

_____

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____

Place: _____

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

Annual CM Contract No._____ dated_____
Between

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

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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

b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from_____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)

c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, _____ & _____) and Turnkey (if any).

d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.

f) All software updates should be provided free of cost during CMC.

g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.

h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.

i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.

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

_____

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____
Place: _____

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

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

1) Contract No. & date :_____

2) Supplier's Name :_____

3) Consignee's Name & Address with telephone No. & Fax No. : _____

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

7) Name and designation of Authorized Representative of Consignee :_____

8) Signature of Authorized Representative of Consignee with date :_____

9) Seal of the Consignee :_____

SECTION – XVIII

Proforma of Final Acceptance Certificate by the Consignee

No_____
Date_____

To

M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

(b) Description of the equipment(s)/plants: _____

(c) Equipment(s)/ plant(s) nos.:_____

(d) Quantity: _____

(e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no_____ dated _____

(f) Name of the vessel/Transporters:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

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

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

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).
The supplier has fulfilled its contractual obligations satisfactorily ## or
The supplier has failed to fulfil its contractual obligations with regard to the following:
He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.
He has not supervised the commissioning of the equipment(s)/plant(s)in time, i.e. within the

period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is
The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.
The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____ (here indicate the amount).
Signature
Name
Designation with stamp

Explanatory notes for filling up the certificate:

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

ii.He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

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

iv.In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

SECTION – XIX
AFFIDAVIT/UNDERTAKING

I/ We have read and understood the instructions and the terms and conditions contained in the document. I/We accordingly accept all terms and conditions of the tender enquiry document including the essential conditions specially incorporated in the tender enquiry like terms of terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law. I/ We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities. I/ We do hereby declare that the information furnished/ uploaded is correct to the best of my/our knowledge and belief.I/ We hereby certify thatthe 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. I/ We also hereby certify that if at any time, information furnished by us is proved to be false or incorrect; I/ We are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

Date:

(Signature of the bidder)
NAME & ADDRESS OF THE BIDDER

NOTE: To be submitted on non-judicial stamp paper of Rs. 10/- duly certified by Public Notary

SECTION – XX
CHECKLIST
Name of Tenderer:
Name of Manufacturer:

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

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

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
16.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			
17.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening duly certified by chartered accountant bearing their membership no.?			
18.	Have you enclosed the Affidavit as per Section XIX of the TE Document?			

N.B.

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

(Signature with date)

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

(Name, address and stamp of the tendering firm)

Section – XXI
Consignee List

Consignee	Medical Institutions	Contact Address.
	Medical Superintendent, Safderjung Hospital & VMMC, New Delhi	Medical Superintendent, Safderjung Hospital & VMMC, New Delhi

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