GLOBAL e-TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF MEDICAL EQUIPMENT
For
SIX All India Institute of Medical Sciences (AIIMS)

Under
Pradhan mantri Swasthya Suraksha Yojana (PMSSY)

For

Government of India

MINISTRY OF HEALTH & FAMILY WELFARE
HLL/PCD/PMSSY/AIIMS-II/25/15–16

BY

HLL Lifecare Limited

(A GOVERNMENT OF INDIA ENTERPRISE)
Procurement & Consultancy Services Division
B-14 A, Sector-62, Noida-201 307
PHONE: 0120-4071500
FAX: 0120-4071579
URL: www.lifecarehll.com
Email: pcd@lifecarehll.com

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SECTION I

NOTICE INVITING GLOBAL e-TENDERS (NIT)
from
HLL Lifecare Limited
(A GOVERNMENT OF INDIA ENTERPRISE)

Procurement & Consultancy Services Division
B-14 A, Sector-62, Noida-201 307
PH: 0120-4071500; FAX: 0120-4071513
Email: pcd@lifecarehll.com;
URL: www.lifecarehll.com

FOR
GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/25/15-16 **Dated 14.10.2014**

NOTICE INVITING e-TENDERS (NIT)

(1) Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Govt. of India, Ministry of Health & Family Welfare, invites **e-tenders**, from eligible and qualified tenderers for supply of Medical Equipments for Dentistry department for Six All India Institutes of Medical Science (AIIMS) – Bhopal, Bhubaneswar, Jodhpur, Patna, Raipur, Rishikesh under PMSSY:

Sl. No.	e-Tender Ref.No (Event No.)	Equipment Name	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
1	3000000350	Laparoscopic Surgery Set with Hysteroscope & Resectoscope with High Definition Camera & Monitor	Obs & Gynae	1	6	9,00,000
2	3000000351	Transport Monitor	Obs & Gynae	1	6	42,000
3	3000000352	Portable Ultrasound and Color Doppler	Obs & Gynae	1	6	2,40,000
4	3000000353	Spectrophotometer UV-VIS, double beam	Pharmacology	1	6	72,000
5	3000000354	Motorized treadmill	Pharmacology	1	6	12,000
6	3000000355	Water Purification System	Pharmacology	1	6	1,20,000
7	3000000356	ECG Machine 12 Channel	Pharmacology	1	6	18,000

Sl. No.	e-Tender Ref.No (Event No.)	Equipment Name	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
8	3000000357	Electronic Balance (100µg - 5 gm)	Pharmacology	1	6	21,600
9	3000000358	Centrifuge-capillary	Paediatrics	1	6	5,400
10	3000000359	Bilirubin Analyzer Micromethod	Paediatrics	1	6	27,000
11	3000000360	Transcutaneous Bilirubin Analyzer	Paediatrics	1	6	20,400
12	3000000361	Portable and folding blood donor couches	Blood Bank	1	6	18,000
13	3000000362	Refrigerated Blood bag centrifuge for making blood components	Blood Bank	2	12	4,080
14	3000000363	Electronic double pan component balance	Blood Bank	1	6	7,200
15	3000000364	Platelet incubator with Agitator	Blood Bank	1	6	48,000
16	3000000365	Blood bank Cryo bath	Blood Bank	1	6	24,000
17	3000000366	Centrifuge & incubator for column agglutination technique by Glass bead/gel Cassettes for Immuno hematology	Blood Bank	1	6	66,000
18	3000000367	Electronic analytical balance	Blood Bank	1	6	12,000
19	3000000368	Refrigerated Blood component Transport box	Blood Bank	1	6	16,200
20	3000000369	Ultraviolet / white light transilluminator	Microbiology	1	6	14,400
21	3000000370	Analytical Balance	Microbiology	2	12	14,880

Sl. No.	e-Tender Ref.No (Event No.)	Equipment Name	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
22	3000000371	Microbiological Autoclave (Horizontal)	Microbiology	1	6	60,000
23	3000000372	Biosafety cabinet Class II A	Microbiology	2	12	1,56,000
24	3000000373	Biosafety cabinet Class II TYPE B2	Microbiology	1	6	1,02,000
25	3000000374	Pharmaceutical Refrigerator	Microbiology	4	24	38,400
26	3000000375	Vertical Laminar Flow Bench with Hepa Filter	Microbiology	2	12	72,000
27	3000000376	High Air Flow Sampler	Microbiology	1	6	18,000
28	3000000377	Membrane Filter Holder with Hand Held Vacuum Pump	Microbiology	1	6	14,400
29	3000000378	Ultra-pure (Nuclease free) water purifications system	Microbiology	1	6	72,000
30	3000000379	UV / Visual Spectrophotometer	Microbiology	1	6	48,000
31	3000000380	Agarose Gel Electrophoresis	Microbiology	1	6	30,000
32	3000000381	Semi Automated ELISA Reader and Washer	Microbiology	2	12	1,92,000
33	3000000382	Water Bath Serological	Microbiology	2	12	16,800
34	3000000383	Liquid Nitrogen Drum	Microbiology	1	6	48,000
35	3000000384	Positive pressure pump for tissue culture	Microbiology	1	6	14,400
36	3000000385	Binocular Microscope for Faculty	Microbiology	1	6	48,000
37	3000000386	Dark Ground Microscope with Phase Contrast	Microbiology	1	6	14,400

Sl. No.	e-Tender Ref.No (Event No.)	Equipment Name	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
38	3000000387	Lyophilizer	Microbiology	1	6	1,44,000
39	3000000389	ICE Flaking Machine	Microbiology	1	6	51,000
40	3000000390	Orbital Shaking Incubator	Microbiology	1	6	14,400
41	3000000391	Anaerobic work station with gas cylinder complete	Microbiology	1	6	90,000
42	3000000392	Forced Air Incubator Microprocessor Controlled	Microbiology	1	6	17,760
43	3000000393	Hybridization Chamber	Microbiology	1	6	30,000
44	3000000394	Fluroscent Microscope	Microbiology	1	6	1,68,000
45	3000000395	Inverted Research Microscope for bright field, phae contrast, fluroscence, along with high resolution digital image analysis system	Microbiology	1	6	1,80,000
46	3000000396	Intermittent Pneumatic Compression for prevention of DVT	Physical Medicine & Rehabilatation	2	12	24,000
47	3000000397	PMR Equipment list of surgical instruments	Physical Medicine & Rehabilatation	1	6	60,000
48	3000000398	Tilt Table (Manual)	Physical Medicine & Rehabilatation	1	6	6,000
49	3000000399	Parallel Bar with Platform	Physical Medicine & Rehabilatation	1	6	4,200
50	3000000400	Motorized Wheel Chair	Physical Medicine & Rehabilatation	1	6	14,400

Sl. No.	e-Tender Ref.No (Event No.)	Equipment Name	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD (Rs.)
51	3000000401	Medical Gym (Multigym)	Physical Medicine & Rehabilatation	1	6	1,80,000
52	3000000402	Drug Cart	Anesthesia OT	25	150	90,000
53	3000000403	Flexible intubation endoscope with monitor and recording facility for adult and pediatric use	Anesthesia OT	2	12	6,00,000
54	3000000404	Syringe Infusion Pump	Anesthesia OT	100	600	4,80,000
55	3000000405	Nerve Stimulator	Anesthesia OT	4	24	48,000
56	3000000406	ICU Ventilator	Anesthesia ICU	15	90	27,00,000
57	3000000407	View Box	Anesthesia ICU	5	30	15,000
58	3000000408	Difficult Airway Cart	Anesthesia OT	5	30	3,60,000
59	3000000409	Pulse Oximeter	IPD & Trauma	AIIMS BBSR-20 AIIMS Patna-30 AIIMS Raipur-20 AIIMS Bhopal-20	90	90,000
60	3000000410	Fibreoptic Bronchoscope - Adult	IPD & Trauma	01 per AIIMS except AIIMS BSSR	5	1,20,000

(2) **Tender No.: HLL/PCD/PMSSY/AIIMS-II/25/15-16**

Sl. No.	Description	Schedule
a	Cost of the Tender Enquiry Document	Rs. 5000/- (Rs. Five Thousands Only)
b	Pre-bid meeting date , time & Venue	**21.10. 2015, 1100 hrs (IST)** , HLL Lifecare Limited, , Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307
c	Closing date & time for submission of **tender fee and EMD in physical form**	**18.11.2015, 1700 hrs (IST)** Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
d	Closing date & time for submission of online bids	**20.11.2015, 1700 hrs (IST)**
	ii) Closing date & time for physical submission of bids (Price bid shall only be uploaded online; All other technical and commercial documents uploaded in the e-portal are to be submitted manually)	**21.11.2015, 1300 hrs (IST)**
e	Time and date of opening of online bids	**21.11.2015, 1400 hrs (IST)**
f	Venue for :- Submission of tender fee, EMD in physical form. E-Tender Opening-Tech Bid	HLL Lifecare Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

SPECIFIC Instructions for e-Tender Participation:-

3. Bidders should have valid Class 3 Digital Signature Certificate with encryption.
4. Bidder's are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
5. The prospective bidders have to register with the E-procurement system of HLL at https://etender.lifecarehll.com/irj/portal. On completion of the registration process, the bidders will be provided user ID and password within 48 hours (excepting non-working days). In order to submit the bids electronically bidders are required to have a valid Class 3 Digital Signature Certificate (signing and encryption/ decryption certificates).
6. Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
7. **The tenderers shall submit tender fee, EMD and technical & commercial documents (techno-commercial bid as uploaded in e-portal) in physical form at the scheduled time and venue.**
8. Tenderer may download the tender enquiry documents from the web site www.lifecarehll.com or www.eprocure.gov.in/cppp or https://etender.lifecarehll.com/irj/portal .
9. The submission of tender online can only be done thru' https://etender.lifecarehll.com/irj/portal .

10. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.

11. Tenderers shall ensure that their tenders, complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.**

IMPORTANT NOTE :-Tender fee (Rs. 5,000/-) and EMD (As applicable) should be deposited in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before **18-November-2015, 1700 hrs (IST) . Submission beyond stipulated date & time would result in REJECTION of BID.**

SVP (GB)
HLL Lifecare Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
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 Ministry of Health & Family Welfare Govt of India.

(ii) **"e-Tender"** means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder online.

(iii) **"Tenderer"** means Bidder/ the Individual or Firm submitting Bids / Quotation / e-Tenders.

(iii) **"Supplier"** means the individual or the firm supplying the goods and services as incorporated in the contract.

(iv) **"Goods"** means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, medical equipment, industrial plant etc. which the supplier is required to supply to the purchaser under the contract.

(v) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.

(vi) "Earnest Money Deposit" (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.

(vii) "Contract" means the written agreement entered into between the purchaser and/or consignee and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc. therein.

(viii) "Performance Security" means monetary or financial guarantee to be furnished by the successful tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit.

(ix) "Consignee" means the Hospital (AIIMS)/Institute/Medical College/ person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that "another" person is the consignee, also known as ultimate consignee.

(x) "Specification" means the document/standard that prescribes the requirement with which goods or service has to conform.

(xi) "Inspection" means activities such as measuring, examining, testing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.

(xii) "Day" means calendar day.

1.3 Abbreviations:

(i) "TE Document" means Tender Enquiry Document

(ii) "NIT" means Notice Inviting Tenders.

(iii) "GIT" means General Instructions to Tenderers

(iv) "SIT" means Special Instructions to Tenderers

(v) "GCC" means General Conditions of Contract
(vi) "SCC" means Special Conditions of Contract

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

(xxxi) "Dte. GHS" means Directorate General and Health Services, MOH&FW.
(xxxii) "CMC" means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
(xxxiii) "RT" means Re-Tender.

2. Introduction

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

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

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

2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents.

Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. e-TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications

- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer's Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate

- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Instructions from Ministry of Shipping/ Surface Transport (Annexure 1 & 2)
- Section XX – Check List for the Tenderers
- Section XXI – Consignee List

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

9. Amendments to TE documents

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

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

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

10. Clarification of TE documents

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

C. PREPARATION OF e-TENDERS

11. Documents Comprising the Tender

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

(i) Tender Fee, EMD (Physical form)
(ii) Technical Bid (Both online and physical)
(iii) Price Bid (Only online).

DO NOT'S

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

A) Technical Tender (Un priced Tender)

All Technical details (eg. Eligibility Criterias requested (as mentioned below)) should be attached in C-Folder of e-tendering module, failing which the tender stands invalid & REJECTED. The same documents should be submitted in physical form on or before the mentioned date and time.
Bidders shall furnish the following information along with technical tender (in pdf format):

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

B) Price Tender:

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

2. The price should be quoted for the accounting unit indicated in the e-tender document.

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

Note:

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

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

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

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

12. Tender currencies

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

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

12.3 Tenders, where prices are quoted in **ANY OTHER WAY** shall be treated as **NON - RESPONSIVE AND REJECTED**.

13 Tender Prices

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

13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules alongwith with applicable discounts (if any). However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.

13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.

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

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

a) The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;

b) Any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;

c) Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage), Loading & Unloading etc. would be borne by the Supplier from ware house to the consignee site for a period including 03 months beyond date of delivery.
d) The price of Incidental Services, as mentioned in List of Requirements and Price Schedule;

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

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

a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
b) **F**reight and insurance charges.
The price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List
c) The charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;
d) The charges for Incidental Services, as in the List of Requirements and Price Schedule;

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

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

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

13.5.2 **Excise Duty:**

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

13.5.3 **Sales Tax:**

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

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

Normally, goods to be supplied to government departments against government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned government department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the purchaser are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser. The purchaser should issue the certificate to the supplier within 21 days from the date of receipt of request from the supplier.
However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the purchaser to enable the purchaser reimburse the supplier and take other necessary action in the matter.

13.5.5 **Customs Duty:**

The Purchaser will pay the Customs duty wherever applicable.

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

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

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

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

14. Indian Agent

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

a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
b) The details of the services to be rendered by the agent for the subject requirement.
c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.

d) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the agent and the precise relationship between them and their mutual interest in the business as laid out in section VII (Technical specifications).

e) Principal/ manufacturer's original proforma invoice with the price bid

15. Firm Price

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

16. Alternative Tenders

16.1 Alternative Tenders are not permitted.
16.2 However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.

16.3 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

17 Documents Establishing Tenderer's Eligibility and Qualifications

17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:

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

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

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

18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.

18.3 If a tenderer furnishes wrong and/or 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 A (i) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.

19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).

19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:

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

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

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

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

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

the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.

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

20. Tender Validity

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

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

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

21. Digital Signing of e-Tender

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

D. SUBMISSION OF TENDERS

1. 22. Submission of Tenders

22.1 The tender shall be submitted online (both technical and price bids) and in physical form (technical bid only).

(i) Pre-qualification and Technical compliance as per following documents **(Online submission and physical for all the documents.)**

a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
b) Tender Form as per section X.
c) Compliance of all terms and conditions of TED like- warranty, delivery period, delivery terms, payment terms etc
d) Declaration regarding Fall Clause and Deregistration, debarment from any Govt Dept/ Agencies
e) Copy of PAN.
f) Certificate of Incorporation/Declaration being a proprietary firm.
g) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) in pdf format.
h) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
i) Quality Control Requirements as per Section VIII

j) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
k) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.
l) The bidder should submit blank proforma invoice from the foreign manufacturer along with his technical bid, duly mentioning the specifications and code number of the parts quoted.
m) The original proforma invoices from the foreign principal will be applicable in case of 100% subsidiary companies incorporated in India also.

(ii) PRICE BID (ONLY ONLINE).

22.2 1. The tenderers must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders.
2. Along with price bid recent purchase order copies for the same model and technical configuration issued by institute of National importance / reputed central / state government hospitals should be uploaded in pdf form for price reasonability.
3. The bidder should submit the original proforma invoice from the foreign manufacturer along with the price bid.
4. The bidder should not quote in Indian Rupees any foreign products, which are not already imported at the time of submitting the tender. Price bid in INR, if the product is not imported in India will not be considered and will be ignored.

23. Late Tender

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

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

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

27.3 Deleted

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

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

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

(x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
(xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
(xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
(xiii) Tenderer has not agreed for the delivery terms and delivery schedule.

28. Minor Infirmity/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

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

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

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

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

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

34. Comparison of Tenders

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

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

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

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

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

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

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

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

ii. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L 1 price, in a situation where L 1 price is from someone other than an MSE. Such MSEs

would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L 1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

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

36. Tenderer's capability to perform the contract

36.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.

36.2 The above-mentioned determination will, interalia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded of to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.

40.2 If the quantity has not been increased at the time of the awarding the contract, the purchaser reserves the right to increase by up to twenty five (25) per cent, the quantity of goods and services mentioned in the contract (rounded of to next whole number) without any change in the unit price and other terms & conditions mentioned in the contract, during the currency of the contract.

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

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

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

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

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	30
B	8 to 10	TE documents	No Change	30
C	11 to 21	Preparation of Tenders	Change	30
D	22 to24	Submission of Tenders	Change	30
E	25	Tender Opening	No Change	30
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	30
G	38 to 45	Award of Contract	No Change	30

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

SUBMISSION OF e-TENDERS

(i) All the necessary documents as prescribed in the NIT shall be prepared and scanned in different files (in PDF format as prescribed) and uploaded for on-line submission of Proposal.

(ii) Except Tender Fee and EMD, all document(s)/ information(s) for the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF FINANCIAL PROPOSAL) should be uploaded **online only** in the prescribed format given in the website. No other mode of submission shall be acceptable. For technical bid, all document(s)/information(s) shall be submitted both online and in physical form.

(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. The bidder should however ensure the clarity and legibility of the text.

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

(v) The Individual file size of uploading is restricted upto 5 MB. Bidders may upload multiple files (Not exceeding 5 MB individually) & name the files in a way, which describes the contents.

SECTION - IV

GENERAL CONDITIONS OF CONTRACT (GCC)
TABLE OF CLAUSES

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the

warranty obligations, initially valid for a period of minimum 66 months from the date of Notification of Award

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

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

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

5.4 In the event of any amendment issued to the contract, the supplier shall, within fifteen (15) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

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

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

6. Technical Specifications and Standards

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

7. Packing and Marking

7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including 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 with indelible paint of proper quality:

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

8. Inspection, Testing and Quality Control

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

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

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

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

8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.

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

"On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and

either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for."

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

8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, 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 and as per the delivery period specified in the schedule of requirement. Please note that the time shall be the essence of the contract.

10. Transportation of Goods

10.1 Instructions for transportation of imported goods offered from abroad:

The supplier shall not arrange part-shipments and/or 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 have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

12. Spare parts

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

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

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

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

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

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

13. Incidental services

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

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

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

The supplier shall send all the relevant despatch documents well in time to the Purchaser/Consignee to enable the Purchaser/Consignee clear or receive (as the case may be) the goods in terms of the contract.
Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

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

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

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

B) **FOR GOODS IMPORTED FROM ABROAD**

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

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

15. WARRANTY

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials, manufacturing or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods under the conditions prevailing in India.

15.2 The **warranty** shall remain valid for the period as mentioned in the list of requirement/ General Technical specification, after the goods or any portion thereof as the case may be, have been delivered, installed and commissioned at the final destination.

a. No conditional warranty will be acceptable.
b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following wherever applicable:-
   - Any kind of motor.
   - Plastic & Glass Parts against any manufacturing defects.
   - All kind of sensors.
   - All kind of coils, probes and transducers.
   - Printers and imagers including laser and thermal printers with all parts.
   - UPS including the replacement of batteries.
   - Air-conditioners
c. Replacement and repair will be under taken for the defective goods.
d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.

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

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

15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.

15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods

15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.

15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.

15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.

16. ASSIGNMENT

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

17. SUB CONTRACTS

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

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

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

18. MODIFICATION OF CONTRACT

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

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

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

19. PRICES

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

20. TAXES AND DUTIES

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

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

21. TERMS AND MODE OF PAYMENT

21.1 Payment Terms

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

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

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

a) On delivery:

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

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

b) On Acceptance:

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

B) PAYMENT FOR IMPORTED GOODS:

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

a) On Shipment:

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

(i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
(ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
(iii) Four Copies of packing list identifying contents of each package;

(iv) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
(v) Manufacturer's/Supplier's warranty certificate;
(vi) Inspection certificate issued by the nominated inspection agency, if applicable as per contract;
(vii) Manufacturer's own factory inspection report and
(viii) Certificate of origin by the chamber of commerce of the concerned country;
(ix) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd, BEAURU VARITUS and TUV prior to despatch.

b) On Acceptance:

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

c) Payment of Indigenous Goods :

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

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

e) Payment of Indian Agency Commission:

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

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

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

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

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

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

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

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

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

21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.

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

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

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

22. Delivery

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

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

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

22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the

Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

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

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

24. TERMINATION FOR DEFAULT

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

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

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

25. TERMINATION FOR INSOLVENCY

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

26. FORCE MAJEURE

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

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

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

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

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

27. TERMINATION FOR CONVENIENCE

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

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

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

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

28. GOVERNING LANGUAGE

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

29. Notices

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

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

30. RESOLUTION OF DISPUTES

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

30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by the Director General (Health Services). The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)

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

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

31. **APPLICABLE LAW**

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

32 Withholding and Lien in respect of sums claimed

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

It is an agreed term of the contract that the sum of money so withheld or retained under the lien referred to above ,by the purchaser, will be kept withheld or retained till the claim arising about of or under the contract is determined by the Arbitrator or by the competent court as the case may be ,and the supplier will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention.

33. GENERAL/ MISCELLANEOUS CLAUSES

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

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

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

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

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

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

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

SECTION - VI
LIST OF REQUIREMENTS

Part I

Sl. No.	Equipment Name	e-Tender Ref.No (Event No.)	AIIMS BBSR	AIIMS Bhopal	AIIMS Jodhpur	AIIMS Patna	AIIMS Raipur	AIIMS Rishikesh	Total Qty	Warranty req (years)	CMC Req
1	Laparoscopic Surgery Set with Hysteroscope & Resectoscope with High Definition Camera & Monitor	3000000350	1	1	1	1	1	1	6	5	Yes
2	Transport Monitor	3000000351	1	1	1	1	1	1	6	5	Yes
3	Portable Ultrasound and Color Doppler	3000000352	1	1	1	1	1	1	6	5	Yes
4	Spectrophotometer UV-VIS, double beam	3000000353	1	1	1	1	1	1	6	5	Yes
5	Motorized treadmill	3000000354	1	1	1	1	1	1	6	5	Yes
6	Water Purification System	3000000355	1	1	1	1	1	1	6	5	Yes
7	ECG Machine 12 Channel	3000000356	1	1	1	1	1	1	6	5	Yes
8	Electronic Balance (100µg - 5 gm)	3000000357	1	1	1	1	1	1	6	5	Yes
9	Centrifuge-capillary	3000000358	1	1	1	1	1	1	6	5	Yes
10	Bilirubin Analyzer Micromethod	3000000359	1	1	1	1	1	1	6	5	Yes
11	Transcutaneous Bilirubin Analyzer	3000000360	1	1	1	1	1	1	6	5	Yes
12	Portable and folding blood donor couches	3000000361	1	1	1	1	1	1	6	5	Yes
13	Refrigerated Blood bag centrifuge for making blood components	3000000362	2	2	2	2	2	2	12	5	Yes

Sl. No.	Equipment Name	e-Tender Ref.No (Event No.)	AIIMS BBSR	AIIMS Bhopal	AIIMS Jodhpur	AIIMS Patna	AIIMS Raipur	AIIMS Rishikesh	Total Qty	Warranty req (years)	CMC Req
14	Electronic double pan component balance	3000000363	1	1	1	1	1	1	6	5	Yes
15	Platelet incubator with Agitator	3000000364	1	1	1	1	1	1	6	5	Yes
16	Blood bank Cryo bath	3000000365	1	1	1	1	1	1	6	5	Yes
17	Centrifuge & incubator for column agglutination technique by Glass bead/gel Cassettes for Immuno hematology	3000000366	1	1	1	1	1	1	6	5	Yes
18	Electronic analytical balance	3000000367	1	1	1	1	1	1	6	5	Yes
19	Refrigerated Blood component Transport box	3000000368	1	1	1	1	1	1	6	5	Yes
20	Ultraviolet / white light transilluminator	3000000369	1	1	1	1	1	1	6	5	Yes
21	Analytical Balance	3000000370	2	2	2	2	2	2	12	5	Yes
22	Microbiological Autoclave (Horizontal)	3000000371	1	1	1	1	1	1	6	5	Yes
23	Biosafety cabinet Class II A	3000000372	2	2	2	2	2	2	12	5	Yes
24	Biosafety cabinet Class II TYPE B2	3000000373	1	1	1	1	1	1	6	5	Yes
25	Pharmaceutical Refrigerator	3000000374	4	4	4	4	4	4	24	5	Yes
26	Vertical Laminar Flow Bench with hepa Filter	3000000375	2	2	2	2	2	2	12	5	Yes
27	High Air Flow Sampler	3000000376	1	1	1	1	1	1	6	5	Yes
28	Membrane Filter Holder with Hand Held Vacuum Pump	3000000377	1	1	1	1	1	1	6	5	Yes

Sl. No.	Equipment Name	e-Tender Ref.No (Event No.)	AIIMS BBSR	AIIMS Bhopal	AIIMS Jodhpur	AIIMS Patna	AIIMS Raipur	AIIMS Rishikesh	Total Qty	Warranty req (years)	CMC Req
29	Ultra pure (Nuclease free) water purifications system	3000000378	1	1	1	1	1	1	6	5	Yes
30	UV / Visual Spectrophotometer	3000000379	1	1	1	1	1	1	6	5	Yes
31	Agarose Gel Electrophoresis	3000000380	1	1	1	1	1	1	6	5	Yes
32	Semi Automated ELISA Reader and Washer	3000000381	2	2	2	2	2	2	12	5	Yes
33	Water Bath Serological	3000000382	2	2	2	2	2	2	12	5	Yes
34	Liquid Nitrogen Drum	3000000383	1	1	1	1	1	1	6	5	Yes
35	Positive pressure pump for tissue culture	3000000384	1	1	1	1	1	1	6	5	Yes
36	Binocular Microscope for Faculty	3000000385	1	1	1	1	1	1	6	5	Yes
37	Dark Ground Microscope with Phase Contrast	3000000386	1	1	1	1	1	1	6	5	Yes
38	Lyophilizer	3000000387	1	1	1	1	1	1	6	5	Yes
39	ICE Flaking Machine	3000000389	1	1	1	1	1	1	6	5	Yes
40	Orbital Shaking Incubator	3000000390	1	1	1	1	1	1	6	5	Yes
41	Anaerobic work station with gas cylinder complete	3000000391	1	1	1	1	1	1	6	5	Yes
42	Forced Air Incubator Microprocessor Controlled	3000000392	1	1	1	1	1	1	6	5	Yes
43	Hybridization Chamber	3000000393	1	1	1	1	1	1	6	5	Yes
44	Fluroscent Microscope	3000000394	1	1	1	1	1	1	6	5	Yes

Sl. No.	Equipment Name	e-Tender Ref.No (Event No.)	AIIMS BBSR	AIIMS Bhopal	AIIMS Jodhpur	AIIMS Patna	AIIMS Raipur	AIIMS Rishikesh	Total Qty	Warranty req (years)	CMC Req
45	Inverted Research Microscope for bright field, phae contrast, fluroscence, along with high resolution digital image analysis system	3000000395	1	1	1	1	1	1	6	5	Yes
46	Intermittent Pneumatic Compression for prevention of DVT	3000000396	2	2	2	2	2	2	12	5	Yes
47	PMR Equipment list of surgical instruments	3000000397	1	1	1	1	1	1	6	5	Yes
48	Tilt Table (Manual)	3000000398	1	1	1	1	1	1	6	5	Yes
49	Parallel Bar with Platform	3000000399	1	1	1	1	1	1	6	5	Yes
50	Motorized Wheel Chair	3000000400	1	1	1	1	1	1	6	5	Yes
51	Medical Gym (Multigym)	3000000401	1	1	1	1	1	1	6	5	Yes
52	Drug Cart	3000000402	25	25	25	25	25	25	150	5	Yes
53	Flexible intubation endoscope with monitor and recording facility for adult and pediatric use	3000000403	2	2	2	2	2	2	12	5	Yes
54	Syringe Infusion Pump	3000000404	100	100	100	100	100	100	600	5	Yes
55	Nerve Stimulator	3000000405	4	4	4	4	4	4	24	5	Yes
56	ICU Ventilator	3000000406	15	15	15	15	15	15	90	5	Yes
57	View Box	3000000407	5	5	5	5	5	5	30	5	Yes
58	Difficult Airway Cart	3000000408	5	5	5	5	5	5	30	5	Yes
59	Pulse Oximeter	3000000409	20	20	0	30	20	0	90	5	Yes
60	Fibreoptic Bronchoscope -	3000000410	0	1	1	1	1	1	5	5	Yes

Sl. No.	Equipment Name	e-Tender Ref.No (Event No.)	AIIMS BBSR	AIIMS Bhopal	AIIMS Jodhpur	AIIMS Patna	AIIMS Raipur	AIIMS Rishikesh	Total Qty	Warranty req (years)	CMC Req
	Adult										

Part II: Required Delivery Schedule:

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

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

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

b) For Imported goods directly from foreign:

90 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway bill. (Tenderers may quote the earliest delivery period).
Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

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

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

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

Destination/Consignee details are given in Section XXI

Section – VII
Technical Specifications

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

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

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

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

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

TECHNICAL SPECIFICATIONS

Item No. 01
Laparoscopic Surgery Set with Hysteroscope & Resectoscope with High Definition Camera & Monitor

Technical Specification of Laparoscope

1 Description of Function
Laparoscope is used for minimally invasive surgery and comprises of telescope and associated instruments and units

2 Operational Requirements
All offered items should be from same manufacturer with USFDA or European CE approved products.

3 Technical Specifications
3.1 TELESCOPES
a) 5 mm forward oblique, 30 degree – 1 no
b) 10 mm forward oblique, 30 degree – 1 no
c) 10 mm straight forward 0 degree – 1 no
d) All telescope should have following:
Low risk of object bum
Colour coded for identification
Autoclavable
Fibreoptic light transmission incorporated

3.2 HAND INSTRUMENTS & OTHER ACCESSORIES

1. Reusable Veress Pneumoperitoneum Needle- Spring loaded blunt stylet luer lock length8- 10/15cm/12cm - 4 each
2. Reusable Trocar:- 5/5.5mm – Multifunctional , insuflation stopcock and threaded sleeves, pyramidal tip, length (10.5cm) ,Flapper valve - 4 nos
3. Reusable Trocar:- 10/11mm & 12/13 mm-Multifunctional valve, insufflation stopcock and threaded sleeves, pyramidal tip, length (10.5cm/11) Flapper valve - 4 each
4. Suction and Irrigation cannula-Size 5mm, length 33-36cm, used with suction and irrigation handle, size 10 mm also, Reusable suction irrigation tubing set, Multifunction suction irrigation handle with provision for using 5/10mm diameter auxiliary instruments - 2 each
5. Grasping forceps curved - toothed 2x4 teeth-2 each-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 10mm - 2 each(5 & 10mm)
6. Grasping forceps straight- toothed 2x3 teeth-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 10mm - 2 each(5 & 10 mm)
7. Maryland forceps-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2 nos
8. Grasping forceps-Atraumatic-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
9. Grasping forceps-Allis-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
10. Grasping forceps Mixter-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
11. Grasping forceps-plain dissection & Grasping-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility - 2nos
12. Grasping forceps-Babcock-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, size 5mm &-10 mm - 2 each
13. Fan shaped retractor-Rotating, size 5mm, length 33-36cm, dismantling facility - 2nos

14. Hook Scissors-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility- 2nos
15. Rotating Metzenbaum Scissors-Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility – size 5mm 2nos & 10mm -1 no
16. Bipolar coagulating forceps-Size 5mm, length 33-36cm fenestrated- 2 nos
17. Bipolar coagulating forceps-Size 5mm, length 36cm, 3mm width of jaws -2 nos
18. High Frequency Cord-For 5mm & 10mm hand instruments with Monopolar Electrodes, spatula tip, needle electrode- 2 each
19. High Frequency Cord-For 5mm & 10mm hand instruments with Monopolar Electrodes, hook tip, knife electrode - 2 each
20. Knot pushers-Eye type, length 33-36cm,2 each for intra and extra corpal knotting
21. Needle holder coaxial type-5mm, tungsten tip, straight handle with ratchet, single moving jaw, length 33-36cm,2 with carbide insert tips for straight and curved needles
22. Clip Applicator-Medium -Size -Rotatable, Provision for locking the shaft conveniently, 10mm, compatible with clip LT 300, 2 quoted with adequate no. of spare clip (Minimum of 100 Clips)
23. Clip Applicator- Large-Rotatable, Provision for locking the shaft conveniently, 10mm, compatible with clip LT 400, 2 quoted with adequate no. of spare clip (Minimum of 100 clips)
24. Hassan cone-Adaptable to 10mm/11 trocar- 2nos
25. Blunt Obturator-For 11mm port-From 10/11 mm to 5mm & 5 to 3 mm - 2nos
26. Reducer-Size 5mm, length 33-36cm with pin for cautery - 2nos
27. L-Hook-Size 5mm, length 33-36cm with pin for cautery- 2nos
28. Spatula-Size 5mm, length 33-36cm with pin for cautery - 2nos
29. Fascia closure instrument-Size 2.8mm, length 17cm - 2nos
30. Washers-For 5 & 10 mm cannula and reducers - 100 each
31. Container System: Metal & Plastic-For Sterilization and storage of telescopes, hand instruments and other accessories. Different sizes - 3nos each
32. Metzenbaum scissors-High performance with bipolar cautery - 2nos
33. Large operating scissors-With double action jaws (slightly curved) Rotatable 10mm diameter instruments with a working length of 33-36cm, dismantting facility - 2 nos
34. Assistant needle holder-5mm diameter instrumentations with a working length of atleast 33-36 cms with carbide insert tips for straight and curved needles. 2 for straight & curved needles with carbide insert tip
35. Disposable extraction bags of any internatinal brand, minimum 10 Nos.
36. Injection and puncture canula-5 mm diameter, 33-36cms length with luer lock - 2 nos
37. Myoma screw-5 mm, 33-36 cms length, 10mm - 2 nos
38. Uterine Manipulator-LAVH, mobilization of uterus, indentification of vaginal fornices and sealing of vagina during hysterectomy.
39. CCL Vaginal extractor for LAVH Surgery
40. HF Needle electrode for splitting & coagulation insulated with connection pin for unipolar coagulation, working length – 31-33cm
41. Electronic morcillator-With cutting sleeve and protective sleeve along with spare knife (Fully autoclavable) can be from other make. It should be European CE or USFDA approved.

Morcellator with accessories

a. Electronic Drive unit with motor for use with morcellator
b. Morcellator tube serrated edge
c. Atraumatic trocar sleeve with pyramidal trocar 12mm
d. Claw forceps insert 2 x 3 teeth
e. Insulated sheath
f. Laproscopic Bag
g. Insulated handle with HF connection rotating with ratchet

42 High frequency monopolar cables-For above auxiliary instruments.

43 Hight frequency bipolar cables-For above auxillary instruments

44 Cleaning accessories-

a. Cotton carrier with thread

b. Cotton carrier with “U” shaped handle
c. Cleaning brush
d. Brush for cleaning jaws
e. Oil dropper
f. Wadding silver polish
g. Special lubricating oil minimum 10 bottles of 50ml
Note : Insulated outer sheath for all forceps and scissors

3.3 INSUFFLATOR
a) Fully automatic, electronically controlled gas fill
b) Flow rate of 20-30 litres per minute
c) Optical and acoustic warning signals in case of malfunction or excessive pressure
d) Connectible to medical gas pipeline
e) Control by keys on front panel
f) Clear and adjacent display of actual and preset flow rate, actual and preset pressure, gas consumed
g) Facility for filtering preheating of gas to body temperature
h) Facility for easy evacuation of smoke and mist
i) Memory for retention of previous pressure settings
j) Should include high pressure hose pin-index connection to smallbig cylinder with regulator, mains cord, silicone tubing set with luer lock, universal wrench and gas filter

3.4 CARBON DIOXIDE CYLINDER (type-B)
Large size cylinders with required regulators and connecting pipe to the insufflator (Type-B) – 2 nos
Gas tubing – 4

3.5 SUCTION-IRRIGATION UNIT
a) Pump for irrigation and suction
b) Maximum irrigation pressure 550mm Hg
c) Suction pressure 0.75 bar
d) Control from control panel and/or foot pedal
e) Overflow protection on suction bottles
f) Accessories should include silicone tubings (2 nos), bacterial filter and bottles with cap
g) Irrigation suction flow rate should not be less than 2-5 L/min.
3.6 Sterilization/Disinfection Tray:
Disinfection/Sterilization tray with sieve, tray to lift Size: 27”X7”X5” (LXBXD) – 04 nos
3.7 Formaline Chamber (Imported / Indian make)
Formaline Chamber made of Virgin Acrylic 4.5mm thickness; size : 26”X8”X8” (LXBXH) with three tray, for sterilizing the laparascope& Hysterescope– 04 nos.
3.8 Suitable autoclavable plastic tray double tray for sterilization and storage for hand instruments of minimum 20 hand instruments preferably from OEM – 04 nos

3.9 CAMERA CONTROL UNIT & CAMERA HEAD
High definition Three chip Endoscopic camera system should have following features:
a) Digital full HD technology
b) Progressive Scan
c) Camera control unit with three chip HD camera head having HD CCD chip of same aspect ratio of 16:9 and camera control unit should be able to produce following video output: DVI-D-2 nos, RGB-1 no. SDI – 1 no, S-VHS-2 nos, Composite Video – 1 no.
d) Three chip camera head should produce at head itself Pure Digital Signal with High Definition video (1920 * 1080PI) with aspect ratio of CCD chip and video format of 16:9 or 16:10.
e) System should have integerated Parafocal Optical Zoom (F should not be less than 12 mm and upper range should not be less than 30 mm, 2 X) to enhance image size and focus lens/rings to make it fully soakable and waterproof.

f) System should be able to optimize all the settings and should be ready as soon as connected to camera control unit.
g) Three Chip Camera control unit should be compatible with all the tree chip camera head and the company should provide standby facility within 48 hours of breakdown.
h) Should be compatible for remote controlled operation of various features
i) Camera should be suitable for both Laparascope, Hysteroscope & Resectoscope
j) Should have Integrated gain, shutter, Enhancement, white balance with brightness control.
k) All camera functions to be controlled from camera head buttons and through key board at camera control unit to make it controllable from both sterile and non-sterile zone
l) Technical Specification :-
Image Sensor CCD Chip
Pixels 1920 x 1080
AGC Microprocessor controlled
Lens F14-30mm
Video Outputs Composite to BNC, Y/C to S-VHS, RGB to D Socket, HDTV-DVI-D, DV for recording
Input Key Board for Character Generator, 5 pole Din

3.10 High Definition Medical Grade Monitor
Two Wide Screen Monitors having the following features:
a) HDTV Display in 16:10 HDTV format.
b) LCD/LED Crystal display
c) 26" High Resolution HD video Medical grade monitor – 2 nos
d) Resolution : 1920 x 1200 pixels
e) SDI/HD-SDI, Composite, S-Video RGB, DVI-D, VGA input, S-VHS – 2 nos, should also have same video output.
f) All required cables and connectors, which should be specified
g) TFT screen stand/Fixtures for connecting to pendant system/Ceiling Light Arm
h) Dustproof and Drip Water Protected
i) Fast response time: (5-12ms)
j) Number of colours: 16.8 million
k) Luminance: 500cd/m2, contrast ratio: 800:1
l) Vertical/Horizontal Viewing angle: 178 degree

3.11 LIGHT SOURCE
a) Xenon 300 watts
b) Manual and automatic adjustment of light intensity
c) Lamp life 500 hrs or more with at least one spare bulb
d) Display of lamp life/Bulb usage meter warning light
e) Standby mode with emergency lamp with visual indicator
f) Long (250 cm or more) fluid and fibre-optic light cable of diameter 4.8-5 mm
g) Light weight
h) Certified for National International safety standard normal
j) Should be able to produce colour temperature of 6000K.

3.12 VIDEO- CART (Should be from the same manufacturer/ **or ANY International BRAND**)
a) Made of stainless steel / Epoxy coated metal
b) Portable on 4 antistatic dual castors, 2 with locking brakes
c) Required number of shelves for housing all the units of the set
d) Adjustable arm for fixation to either side for fixing the TFT monitor
e) One drawer unit with lock and key
f) Cable Manager
g) Power box with concealed wiring for providing electrical connections of proper rating to all the units

3.13 IMAGE MANAGEMENT SYSTEM
a) Documentation system for digital storage of still images, video sequences and audio files.

b) Latest processor & HDD, which should be specified
c) Largest possible RAM, which Should be specified
d) Integrated DVD/CD / Blue Ray Disc writer with maximum speed which should be specified
e) Compact key board with drape
f) Cordless mouse
g) All types of connecting cables (BNC, DVI) and connectors, which should be specified
h) With all connectors and connection cables (BNC, S-VIDEO(Y/C), VGA), which should be specified
i) Separate mobile cart with lock and key for housing all the components of the image management system
j) It should be medical grade with touch screen monitor.
k. Full HD recording, Medical grade computer and Monitor,Touch screen,Minimum 1 TB storage memory. It should have window based operating system,minimum Windows –XP.

3.14 VIDEO COLOR PRINTER/ LASER COLOUR PRINTER

i. For endovision camera and multi-colour systems existing in country.
ii. Large colour prints of video images with outstanding quality at least 4 different Images can be stored and printed on one sheet.
iii. Memories at least 4 GB ram, should be compatible with any monitor and should be Supplied with all connecting cables, satisfying international quality controls, safety Norms and power supply
iv. It should be CE approved.

4. Technical Specification for Hysterescope & Resectoscope

4.1 Description of Function

4.1.1 The resectoscope is a hysteroscope with a built in wire loop (or other shape device) that uses high-frequency electrical current to cut or coagulate tissue. It allows surgery inside the uterus an organ without having to make an incision.
4.1.2 Hysteroscopy uses a hysteroscope, which is a thin telescope that is inserted through the cervix into the uterus for examination
4.2 Operational Requirements
4.2.1 Complete unit with Resectoscope and Hysteroscope is required
4.3 Technical Specifications

A) HYSTEROSCOPE TELESCOPES STANDARD –

a. Operating and Contact-Hysteroscope Forward-Oblique Full HD Telescope 30°, enlarged view, magnification 1x, 60x, diameter 4.0 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated,- 1 no
b. Forward-Oblique Telescope 30°, enlarged view, diameter 4.0 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated - 1 no
B) Diagnostic Sheath with obturator 5mm diameter for the above 4 mm Hysteroscope telescopes(item A), with luer lock adapter
C) Continuous irrigation Operative Hysteroscope Sheath with obturator, outer and inner sheath for the above 4 mm hysteroscope telescope (item A) with channel for semi-rigid 5/8 fr size instruments. Should have facility for self-closing sealing system for precise irrigation.
D)Accessories
Hysteroscopy flexible / semi rigid instruments which should be adaptable to above sheath (item C), 5/8 fr. Diameter-
a. Foreign body grasping forceps.
b. Scissors-Scissors semi rigid, blunt tips, 5 Fr., length 33-36cm, single action jaws-2 nos
c. Scissors semi rigid, pointed jaws, 5 Fr., length 33-36cm, single action jaws, semi-rigid – 2 nos
d. Biopsy and Grasping forceps - Biopsy- and Grasping Forceps semi rigid, 5 Fr. , length 33-36cm, double action jaws -2 nos
e. Punch Forceps - Punch through Cutting semi rigid 5Fr, length 33-36cm- 2 nos
f. Tenaculam grasping forcep, semi rigid, size 5Fr, length 33-36cm 2 nos

g. Needle electrode and ball electode-Unipolar – high frequency cords of any make should be compatible with the above equipment
h. Bipolar vaporizing electrode – high frequency cords of any make should be compatible with the above equipment
i. Myoma fixation screw
j. Palpation probe
k. Polypectomy loop
E) Resectoscope including connecting tube for inflow and outflow for the above 4 mm hysteroscope telescope (item A)complete with continuous irrigation double sheath system, i.e outer flow and rotating inner tube with ceramic insulation distal tip,withobturator to be quoted along with working element and complete set of electrodes and 2 set of HF cables
All electrodes and Collin‟s knife to be bipolar/unipolar (as per requirement) to be quoted with appropriate cautery

ACCESSORIES FOR RESECTOSCOPE FOR TCRE UNIPOLAR AND BI-POLAR SET		
UNIPOLAR WORKING	Unipolar Working Element to be used with 26FR Resectoscope sheath: Motion by means of a spring. The thumb support is movable. Return of the loop is controlled by the thumb and in rest position the electrode should rest inside the operating sheath, to be used with 4mm hysteroscopy telescope	1 no
CUTTING LOOP ELECTRODE FOR UNIPOLAR	Cutting loop 24 Fr	12 nos
STRAIGHT CUTTING ELECTRODE FOR UNIPOLAR	Forward angle/straight cutting loop 24Fr	06 nos
ROLLER COAGULATING ELECTRODE FOR UNIPOLAR	Roller electrode Cylindrical diameter 3mm, 24Fr	06 nos
POINTED ELECTRODE FOR UNIPOLAR	Pointed electrode/Collines HF knife electrode, 24Fr	06 nos
VAPOR CUTTING ELECTRODE UNIPOLAR	VAPOR CUTTING Electrode, 24Fr	06 nos
SPIKE ELECTRODE UNIPOLAR	SPIKE Electrode 24Fr, size 3mm diameter, 24Fr	06 nos

BIPOLAR WORKING ELEMENT SET	BIPOLAR Working Element to be used with 26Fr Resectoscope sheath: Motion by means of a spring. The thumb support is movable. Return of the loop is controlled by the thumb and in rest position the electrode should rest inside the operating sheath, to be used with 4mm hysteroscopy telescope. Should work in saline	01 no
BIPOLAR CUTTING LOOP	BIPOLAR Cutting loop 24 Fr should work in saline	6 no
BIPOLAR CUTTING LOOP SMALL	Cutting Loop 24Fr, bipolar, small should work in saline	6 no
BIPOLAR ELECTRODE POINTED	Coagulating Electrode 24Fr, bipolar, pointed should work in saline	6 no
BIPOLAR ELECTRODE BALL END	Coagulating Electrode 24Fr, bipolar, ball end should work in saline	6 no
BIPOLAR LOOP STRAIGHT	Cutting Loop 24Fr, bipolar, straight should work in saline	6 no
RESECTOSCOPE SHEATH FOR UNIPOLAR	Continuous Flow Resectoscope Sheath 26 Fr., including connection tubes for in- and outflow, 2 LUER-lock adaptors, diameter 8 mm, oblique beak, fixed inner tube, with ceramic insulation, for use with working element	2 nos
RESECTOSCOPE SHEATH FOR BIPOLAR	Continuous Flow Resectoscope Sheath 26 Fr., for Bi-Polar, including connection tubes for in- and outflow, 2 LUER-lock adaptors, diameter 8 mm, oblique beak, rotating inner tube, with ceramic insulation, for use with working element should work in saline	1 no
OBTURATOR	Obturator, for use with the Resectoscope sheath.	2 nos
FIBER OPTIC CABLE	Fiber Optic Light Cable, diameter 3.5 mm, length minimum 300 cm	2 nos

F) Hysteropump
o Suction and irrigation system for use in hysteroscopy
o Irrigation function is performed by electric pump
o Maximum parameters for hysteroscopy are automatically set
o Precise presetting of volume and pressure of suction and irrigation parameters via touch keys.
o Adjacent display scales for set values and actual value to ensure safe monitoring.
o To be used with pressure regulated from 0 to 200mm of Hg, and flow rate regulated from 0-500ml/min. Suction regulated to 0 to -50kPa. Power supply 100-240 VAC, 50/60 Hz, Mains cord.
o Connecting cable 100 cm, one pedal foot switch.

o hysteroscopic tubing set
o Suction and irrigation tube, antireflex surface with two way stop cock for single hand control.
o Suction bottle 1.5 l and 5 l, sterilizable with bottle stand and bottle stand holder.
o Silicon Tubing Set for suction ,sterilizable.
o Hysteromet should be from same manufacturer as of Hysterescope

5. Electrocautery compatible with Laparascope, Hysterescope & Resectoscope

1 Should have unipolar cutting and coagulation as well as bipolar cutting and coagulation modes and have the facility of blending cutting and coagulation in different ratios and degree –soft, standard and/ or forced coagulation and spray coagulation
2 Arc controlled cutting with a pre selectable power of maximum of 200 watts in both unipolar and bipolar modes
3 Arc controlled coagulation with a pre selectable power of maximum of 120 watts in both unipolar and bipolar modes
4 Auto stop function with automatic power – off on completion of coagulation process.
5 Automatic start function for bi- polar coagulation. Should be operable both in hand and foot mode and should have hand control switch on the handle of the electrode. Bipolar application with irrigation with sodium chloride
6 Endoscopy mode with reduced voltage out put for use with fine endoscopic electrodes.(microfunction)
7 It should have automatic read out panel to display current being used and actual output at distal tip of electrode, simple operation due to clearly arranged control with easy to read symbols
8 Should be compatible with under water operative procedures
9 It should have neutral electrode monitoring through a patient contact system.
10 It should have automatic high frequency power cut off by autocoagulation stop and autostart facility
11 The unit should have the facility of self testing for trouble shooting
12 Visual and acoustic signs of HF activation by different colored indicators and different acoustic tones for cutting and coagulating
13 Unit should have safety monitoring circuit in event of malfunction for output monitoring. Neutral electrode connection .Automatic self test and automatic power cutoff in event of malfunction. Ground leakage current(LF/HF) HF application time
14. Power supply 230VAC, 50/60 Hz.
15 The unit should be supplied with all standard accessories such as Electrode,Foot switch, Twin earth pad , bipolar forceps with Cord, Electrode Handle with switches , neutral plate, ball electrodes, Loop electrodes, variable output power for all types of currents

6 System Configuration Accessories, spares and consumables

6.1 System as specified
6.2 ACCESSORIES:- All Possible accessories of the equipments should be quoted. The specific accessory and its quantity will be decided on the basis of actual requirement
6.3 The system should be capable of accepting standard accessories of major international brands, which should be specified and for which suitable adaptor, if required, is to be provided
6.4 The codes and rates of all relevant individual accessories should be quoted separately with clear mention of period of validity of rates
6.5 Cautery system should be upgradable for vessel sealing device

7 Environmental factors

7.1 The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90%
7.2 The unit shall be capable of operating continuously in ambient temperature of 10-40deg C and relative humidity fo 15-90%

8 Power Supply

8.1 Power input to be 220-240VAC, 50Hz fitted with Indian power-plug

8.2 UPS for all systems of adequate rating for power supply to the system for 60 minutes.

9 Standards & Safety
9.1 Should be USFDA or European CE approved product
9.2 Manufacturer and Supplier should have ISO certification for quality standards
9.3 Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)
9.4 Shall meet internationally recognized standard for Electro Magenetic Compatibility (EMC) for electromedicalequipment : IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended
9.5 Certified to be complaint with IEC 60601-2-2 Medical Electrical Equipment part 2-2: Particular requirements for the safety of equipment mentioned above – wherever applicable

10 Training
10.1 Comprehensive training for staff of user department and support services till familiarity with the system.
10.2 Training of two faculties from each consignee to be provided

11 Documentation
11.1 Product Literature in original along with that of accessories and indigenous components if any Photocopies/computer generated copies are not acceptable
11.2 Statement of compliance with tender specification with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provide for noncompliant specification with justification must be described in details with supporting literature
11.3 Certificate of Compliance with standards and approvals stated above
11.4 Certificate of manufacturer/principal regarding authorization of service facility provided by the supplier
11.5 List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.
11.6 Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book

Item No. 02
TRANSPORT MONITOR

1. Modular monitor High – resolution colour TFT display of minimum 10" or more
2. Should be able to monitor ECG, NIBP, 2 IBP, SpO2, Temperature and Respiration
3. Plethysmograph with perfusion indicator (optional – price to be quoted separately)
4. Monitor should monitor at least three channel
5. 24 Hrs. graphical / tabular trends
6. NIBP trends memory should be at least 50 readings (tabular)
7. Suitable for Adult / paediatric/neonate.
8. Selectable Arrhythmia detection
9. Should have inbuilt three channel recorder
10. Must have Graded and Colour coded alarms
11. User selectable screen formats and user – friendly menu driven functions.
12. Battery backup for at least 3 Hrs.
13. It should be European CE and US FDA Certified.
14. Should be supplied with:
15. One 3 lead ECG cable, Reusable SpO2(adult, paediatric ,neonate) sensor, NIBP cuffs (each for Adult ,child and neotate), IBP cable

Item No. 03
Portable Ultrasound and Colour Doppler

Sl.No.	**Specifications for Portable Ultrasound and Colour Doppler unit**
	A portable USG Doppler unit to be quoted with the latest model. This machine should be capable and will be required to function clinically as standalone systems in case of high patient throughput during trauma and catastrophic situation.
1	Fully digital portable ultrasound machine with provision for Doppler examinations.
2	The unit should have a laptop type console design. The unit should be compact, lightweight and portable. Weight should not exceed 7kg including battery (excluding cart and accessories).
3	It should be suitable for abdominal, small parts and vascular applications in adults and paediatric patients. Multiple preloaded as well as user configurable application presets should be available.
4	Minimum grey scale resolution to be 256 with **128 or more digital processing channels.**
5	Maximum scanning depth to be 30 cm or more.
6	The system to have a dynamic range of 165 decibels or more.
7	The system should support Convex and Linear probes.
8	Transducers (one each):
1	Convex electronic phased array transducer with biopsy attachment and detachable needle guide: 2-6 MHz for abdominal imaging.
2	Linear transducer: 5-12MHz MHz for vascular and small part imaging.
3	Endocavitary probe (5-12MHz) with 140 deg FOV and with biopsy attachment and detachable needle guide
9	All transducers should be lightweight digital broadband type transducers with **128 elements or more.**
10	The system should have a frame rate of **at least 300 frames per second (fps) in B mode.**
11	The system should have an ergonomic full alphanumeric soft keys keyboard with easy access scans controls and trackball. Provision for attaching an external keyboard and mouse should be present.
12	The System must have integrated high – resolution TFT/LCD/Single monitor of **15" Inches** or more. **(This is needed for clinical application so that it will be used as standalone during high patient load during routine hours and catering to trauma/ catastrophe.)**
13	The system should have cine loop review facility of not less than 60 sec/1000 frames.
14	The system should have the facility of digital storage and retrieval of B/W and colour image data on built-in CD/DVD Drive. Provision for USB port and LAN transfer of data should also be present.
15	Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler and Power (energy) Doppler, Tissue Harmonic Imaging with contrast to be quoted as standard feature.

16	Controls for 2D mode: Total gain, depth, TGC, dynamic range, acoustic power output.
17	Controls for Colour Doppler: PRF, colour gain, position and size of ROI, steering of ROI, colour maps and colour invert.
18	Controls for pulsed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert, duplex on/off.
19	Measurements for 2D mode: Multiple distances, area and volume.
20	Measurements for Doppler modes: Stenosis quantification in area percentage, diameter, PSV, EDV, mean, PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible.
21	Facility for storage on CDR should be available.
22	Unit should function with 200-240 V, 50 Hz AC, 5 amp power outlet. Power requirement to be specified.
23	In built battery backup should be at least one hour or more.
24	Essential accessories: Black & White Thermal printer, UPS, mobile cart with transducer holder, jelly bottle holder and space for printer. Colour laser printer (Optional)
25	Paper and cartridges for 1000 image printouts should be provided with the unit.
26	The unit offered must be sturdy and should be able to withstand accidental hits and falls during transportation.
27	The unit offered in the tender will require technical demonstration.
28	Price of the main unit and accessories to be quoted separately.
29	Warranty: The unit, transducers and all accessories should be covered with comprehensive onsite warranty for five (5) years commencing from the date of issue of installation certificate.
30	Rates for comprehensive maintenance contract CMC (including all spared and labour) for 5 years, after expiry of warranty period, must be quoted separately.
31	Company should give undertaking regarding the spares availability of the quoted model for next seven years.
32	The bidder should enclose the original product data sheet, brochure and compliance sheet, without which the bid will be rejected. Computer generated data sheet and brochure will not be accepted. The serial number of specifications must be indicated against the relevant portion of the compliance sheet and data sheet.
33	The unit should be United States Food and Drug Administration (FDA) or Conformité Européenne (CE) approved.
34	**Demonstration of the quoted model is must.**

Item No. 04
Spectrophotometer UV-VIS, double beam

1. UV/Vis spectrometer with PC control
2. Solid well built body for thermal and vibration stability .
3. Optics:Double beam sealed, quartz coated, with monochromator Grating
4. Concave holographic grating with 1000 lines/mm or better.
5. Detector: silicone photodiode or PMT photomultiplier
6. Sources: Pre-aligned deuterium and tungsten-halogen lamps with automatic switch over
7. Wavelength Range: 190-1100 nm or better
8. Stray Radiation/Light: <0.007%T at 220nm (Nal) or better
9. Wavelength Accuracy: Minimum +/- 0.2 nm at D2 peak, 656.1 nm or better.
10. Band-pass/Band width: Variable bandwidth setting
11. Scan speed: 1000-2000nm/min
12. Photometric Accuracy: +/-0.005 A at 1A or better
13. Photometric Reproducibility (at 1A): 0.001 A (MAXIMUM DEVIATION OF 10 MEASUREMENTS) or better
14. Baseline Flatness (1nm slit): ±0.001A or better
15. Photometric Noise Level at 500nm (1nm Slit): 0.0001 A RMS or better
16. Cuvette chambers to hold 4 cuvettes, 1 for blank, 3 samples for samples with matching cuvettes
17. Standard Accessories: 1. Quartz cuvette of 10mm path length.
18. Local Accessories: Suitable PC, Printer and Online UPS are to be offered with the system.
19. Should be FDA/UL/CE/BIS approved product.
20. Manufacture should have ISO 9001 certificate for quality standards.
21. On site comprehensive training for lab staff and support services till customer satisfaction with the system.
22. Installation testing: Supplier of the instrument must provide free installation , commissioning and testing
23. User/Technical/Maintenance manuals to be supplied in English.
24. Certificate of Calibration and Inspection.
25. List of Equipment available for providing calibration and routine Preventive maintenance support as per manufacturer service/maintenance manual.
26. 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.
27. Current user/performance list to be provided and demonstration covering all aspects has to be provided
28. Validation document should supply by vendor etc IQ.QQ, PQ. 13. Surge Protector is to be quoted and supplied with the instruments.
29. Surge Protector is to be quoted and supplied with the instruments**.(Optional)**

Item No. 05
Motorized Treadmill for humans

A. Specification of treadmill:

1. The new generation of treadmills especially designed in accordance with high safety and quality requirements in Pneumology, Cardilogy, Stress testing, endurance training, rehabilitation, sports medicine as well as in medical fitness training.
2. The digital interface should allow the treadmill and all its functions being controlled via a standalone console and/or by a PC attached to it.
3. For safety purposes the unit should be equipped with an emergency switch which stops the treadmill at any stage of operation, and which switches the whole system powerless.
4. Technical specifications:
   Speed: Adjustable from 0-22 km/h

Resolution: 0.1 km/h; 0.5%

Gradient: 0-26%: electrical engine brake to prevent acceleration caused by body weight at gradient; optional: reverse operation 0 to 26% for downhill running.

Acceleration: At least 7 intensities (from 0 to max) manual or also selectable via program step.

Slow down: 7 intensities (from max. to 0) manual or also selectable via program step.

High power motor

Motor: Maintenance free and efficient rotary current asynchronic motor (CE mark) with V-belt low noise and smooth running

It should be compatible with cardiopulmonary testing software and printer.

Programs: Fixed memory locations incl. standard stress test programs in combination with user terminal platform: wear resistant and shock absorbing handrails: metallic railing in front and at both sides.

5. User terminal with HR measurement
6. Following data should be recordable.
   i. Time (s)
   ii. Speed (km/h)
   iii. Heart rate (bpm)
   iv. Elevation (%)
   v. Distance (km)
   vi. Data storage of atleast 5 real time patients.
   vii. Power input to be 220-240 VAC, 50Hz

B. Standard, safety and training:

i. Should be US FDA/European CE/BIS approved product.
ii. Calibration/Acceptance test certificate from the factory required.

C. Documentation:

i. User/ Service manual in English
ii. Compliance report to be submitted in a tabulated and point wise manner clearly mentioned the page/para number of original catalogue/ data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

Item No. 06
Water Purification System

Water purification unit with the following specification:

1. Two stage System should have RO and UV/HPLC grade purification facility and Water quality of the minimum specification of:
   i. Resistivity at 25 degC : > 5 Mega-Ohm -cm
   ii. TOC : ≤ 5 ppb
   iii. Bacteria : 1CFU/ml
   iv. Bacterial Endotoxin : 0.001 EU / ml.
   v. Particles as per ASTM is =< 1particle/ml

2. It should be directly having feed from tap water
3. System should have pre filtration unit to remove the particulate matters, activated carbon to remove organic contaminants.
4. Capacity of reservoir / tank: 30 liters or more made up of HDPE
5. The system should be table top model with on line conductivity & LCD display facility, flow rate up to 1.5 L/min, Dual purification cartridges with organic absorbents, ion exchange resins and membrane processes to purify the water to > 5 mega ohms- cm in order to satisfy ASTM TYPE 1, ISO 3696 and USP Specification, The system should have a pure water recirculation system to maintain consistent peak quality.
6. DOCUMENTS AND TRAININGS:
   i. Quality control documents to be provided.
   ii. On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.
   iii. On Site Training at the time of installation.

Item No. 07
ECG Machine 12 Channel

1 Real-time recording and printing of 12-channel ECG waveform
2 Graphic display of 12-Channel ECG waveform
3 Light, compact with thermal recorder
4 Simultaneous acquisition of 12-lead ECG data
5 Built-in analysis software of age which assures accurate analysis result
6 Auto-measurement, auto-interpretation, waveform playback and storage of ECG data
7 RS232 and USB interface cope with data-share or remote data management requirement
8 User friendly operation system
9 Literal and graphic operation interface
10 Powerful filters to minimize interference
11 Heart rate measurement and pace-maker detection circuit.
12 Multiprinting formats: manual & automatic, standard 12 channel, 3 channel plus 3 rhythm lead, 6 channel, 6 channel plus rhythm lead, 60s analysis of arrhythmia, trend graph. 3 rhythm lead, 6 channel, R-R histogram, trend graph
13 AC, DC or built-in lithium battery power supply, alarm of battery weak and lead-off
14 Tremendous ECG data can be saved in built in SD card or in internal memory.
15 It should provide 15 -20 boxes of disposable electrodes
16 It should provide 10-15 paper rolls
17 It should provide 5-10 Gel bottle
18 Certifications and standards: US FDA / European CE / BIS approved product
19. Manufacturer should be ISO certified for quality standards.

Item No. 08
Electronic balance (100µg – 5 gm)

1 Digitally operated
2 High contrast, large LCD display for easy viewing.
3 Automatic calibration
4 ISO 9001/USFDA standard
5 Well built body for long term stability and durability
6 Various weighing units like mg, gm etc should be provided.
7 User selectable stability.
8 Readability : 0.0001 gm

9 Linearity : 0.0002 gm
10 Pan size : > 80 mm diameter
11 Response time : 2-3 sec
12 Voltage range : 220v AC/50Hz

Item No. 09
Centrifuge-capillary

Specification:

1 Benchtop centrifuge for quick assessment of hematocrit on microcapillary blood samples.
2 Rotation upto 16,000 rpm adjustable in increments of 100
3 Timer settable in minutes, maximum preset 99 minutes
4 Safety lid-lock feature and emergency lid release
5 Motor overheating protection and imbalance shut-off
6 Digital display shows rpm and time
7 Angle rotor, 24 positions, maximum approx 16000 rcf
8 2 hematocrit readers
9 Noise level less than 40 dB
10 Power requirement: 220V/50Hz
11 Should be CE/FDA/BIS approved product.

Supplied with each unit:

a. 10x pack of sealing compound for micro capillary tubes
b. 10 spare sets of fuses
c. Carbons: 5 pairs.
d. 100 pack of 100 heparinised capillary tubes

Item No. 10
Bilirubin analyzer Micromethod

Technical Specifications

1 Bench top point- of –care bilirubin meter
2 Direct reading photometery determining total bilirubin in serum /plasma
3 Uses any commercially available capillary tubes
4 On switch off and auto off
5 Automatic calibration setting between measurements.
6 Dual wavelength measurement: 460 nm and 550 nm
7 Correcting for Hb at 550nm
8 Main light source, 5W tungsten lamp
9 Measuring range: 0to 700 µmol/L or 0 to 40 mg/100mL
10 Accuracy equivalent to laboratory spectrophotometer (approx. ±5%)
11 Read out switchable between mg/100 ml and µmol/L
12 Analysis time: less than 5 sec.
13 Should have silicon photo diode.
14 Large LED display readable in low light working situations, display cover durable plastic
15 Power requirements: 220 V/ 50Hz (with adapter)
16 ISO 9001 certified manufacturer (certificate to be submitted)
17 Should have data storage of latest 100 results, interface USB port, built in calendar, printer and timer.
18 Should be CE/FDA/BIS approved product.

Supplied with
1. 3 x reference solution packages
2. 10 x pack of sealing compound for micro capillary tubes
3. 2 x spare lamps
4. 2 x dust covers
5. 10 x spare set of fuses
6. 10 pack of heparinised capillary tubes.
7. 30 columns of thermal paper.

Item No. 11
Transcutaneous Bilirubin Analyzer

Technical Specifications

1 Light weight: portable unit
2 Multi wavelength spectral reflectance meter
3 Provides non-invasive measurement of total serum bilirubin reported in mg/dL or micromol/L
4 Measurement rage 0 to 20 mg/dL (0-340 micromol/L)
5 Light source should be pulse xenon arc lamp
6 Silicon photodiodes detector
7 Should have a reusable measuring probe which can be cleaned with disinfectant
8 Should have an in-built battery
9 Large easy to read display
10 Should have a charging station
11 Should work with all skin colour
12 Should be European CE or US FDA approved product and the certificate must be submitted
13 The price quoted in the financial bid should include the cost of the equipment along with the cost of the first three thousands measurements of jaundice done with the equipment
14 The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 30-90%
15 The unit shall be capable of operating in ambient temperature of 20-40 deg C and relative humidity of less than 70%
16 Should have local service facility and should have the necessary equipments to carry out prventive maintenance test
17 Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities will be mandatory
18 Should be usable in preterm and term newborns from birth to 10 days of life. 19 Should provide reliable reading irrespective of receiving phototherapy

Supplied with
1. Charging unit with calibration checker certificate should be submitted at the time of supply.
2. User manual with trouble shooting guidance, in English
3. Technical manual with maintenance and first line technical intervention instructions, in English
4. List of priced spare parts
5. Rates of spare parts to be quoted separately
6. List with name and address of technical service providers in India

Item No. 12
Portable and folding Blood Donor Couches

1 Mobile Foldable designed to fold into a compact
2 Dimensions: 24-30”W X 62-75”L X 18-25”H
3 Weight should not be more than 20 Kg.
4 Should be easily to clean and maintain
5 Should be in durable tubular metallic material rust resistant.
6 Should be able to bear the larger donors weight up to 150 Kg.
7 Should have padded armrest for extra comfort to the donor, adjustable for proper arm placement.
8 Standard Electronic blood collection scale with each couch (Optional)
9 Couch should easily be reclined into a secured shock position
10 Pockets to be provided at the back of each couch for keeping accessories
11 Should be provided with washable linen covers(1 pair) with each couch
12 Should be sturdy and should be able to withstand transportation rigors
13 Should be provided with transportation trolley to hold maximum 5 couches
14 Cost of transportation trolley should be quoted separately
15 Original literature of equipment should be submitted.
16 Users list should be attached with satisfactory report for the last years from three users with contact details
17 Minimum of 3 installation in tertiary care institution.

Item No. 13
Refrigerated Blood Bag Centrifuge for Marking Blood Components

1 Design:
Stable, sturdy all- steel design with stainless steel rotor chamber easy to clean/ corrosion resistant paintings & provision of both drain and condense water collection.
2 Max. rcf:5000 x g to 7000 x g
3 Max. speed: At least 4,000 rpm to 6000 rpm
4 Max. volume:
Should be able to accommodate twelve 350ml 450ml single, double, triple, quadruple, quintuple blood bags with SAGM bag and empty satellite bags with „In Line filter system“
5 Drive unit:Maintenance free induction drive
6 Operation:
(i)Should have 25-30 programming of all parameters,
(ii) Should have digital display
7 Programme:
Should be tamper proof
8 Safety of operation:
Lid-lock and interlock, imbalance display and cutout, steel-armored chamber, protection of overheating of rotor and compressor should conform with European CE/ US-FDA certification specific for the safety issues should be submitted.
9 Protection of data:
In event of power interruption or complete failure, data should remain stored for 2-3 weeks
10 Documentation:
Should have software which should be compatible with hospital information system of respective AIIMS and /or Blood Bank software any interfacing required must be provided by the firm.
11 User-friendly handling:

The equipment should be movable on castor wheels however it should have facility to be placed on four solid feet. There should be no need for ground fixing. Digital display should have keys for controlling for immediate access. The machine should be equipped with and automatic lid lock.

12 Digital Display and adjustment parameters should Include
(a)Acceleration : Different acceleration profiles
(b)Deceleration : Different deceleration profiles
(c) RCF value : 4 digit, should be adjustable
(d) Speed : 4digit, should be adjustable
(e) Centrifugal : Format should be as hour and minutes
(f) Programme number : Multiple programmes
(g)Temperature control : Adjustable in1˚C intervals
(H)Temp. range :-20º to +40ºC
(i) Min. temp. at max. rcf : 4ºC
(j) Error message : Programme error, imbalance, lid open or any other error.

13 Speed variation: microprocessor controlled rotor speed to within 10 rpm of set value. (Certificate should be submitted by NABL calibration lab)

14 Temperature control Microprocessor controlled rotor temperature within 1°C of set temperature regardless of centrifuge speed.(Certificate should be submitted NABL calibration lab)

15 Refrigerant:
CFC- free

16 Warm air Outlet:
From sides and rear of the Machine

17 Should be supplied with following Standard Accessories:

1 Swing-out rotor with or without shield, should be able to accommodate twelve 350ml and 450ml single, double, triple, quadruple/quintuple blood bags with SAGM bag and empty satellite bags with In Line filter system

2 6 buckets (one bucket for 2 blood bags) for centrifuging 12 units of bags.

3 Removable Plastic inserts, for centrifuging twelve 350ml and 450ml single, double, triple, quadruple/quintuple blood bag system with SAGM bag and empty satellite bags with In Line filter system for preparing blood components like Red Blood Cells Plasma/FFP/Platelets concentrate and Cryoprecipitate. One extra set of above plastic inserts will have to be provided by the firm.

4 Should be provided with balancing weights and balancing plates

5 Should be provided with Hook adapter to spin small volume of Cord Blood and Buffy coat.

6 Operation and Maintenance manual should be provided in original

7 Firm will have to supply the stabilizer with the equipment.

European CE or US FDA certification specific for the product should be submitted

Noise Level should be less than 58 Db

Firm should supply the relevant calibration certificate for the equipment from NABL accredited Lab.

User‟s list should be provided with satisfactory report for the last three years from three Licensed Blood Banks with contact details.

Original literature of equipment should be submitted.

Demonstration of performance of equipment compulsory in nearby area failing to which will be disqualification.

Electrical: The equipment should be able to run on the existing electrical provision

Item No. 14
Electronic Double Pan Component Balance

1. Should be two pan balance
2. Should have digital LCD/LED display of weight and other parameters
3. Accuracy ±1 to 2 grams
4. Should have two independent weight sensors, which display individual weight of each bucket with accuracy
5. It should have individual display monitor to display the weight of each bucket with blood bags
6. Visual or audio alarm should get on as soon as the two plates get balanced
7. Weight Measurement: Should be able to measure weight of upto 3000grms
8. Should be appropriate to weigh and balance blood holding baskets of standard size
9. Weight of balance should not be more than 5 Kg.
10. Original literature of equipment should be submitted.
11. User"s list should be provided with satisfactory report for the last three years from three Licensed Blood Banks with details.
12. European CE or US FDA certification specific for the product should be submitted.
13. Firm will have to supply suitable UPS with 30 min back up along with the equipment free of cost
14. Firm should also provide the relevant calibration certificate for the equipment from any NABL accredited Lab.
15. Demonstration of performance of equipment is compulsory in nearby area failing to which will be disqualification.
16. Electrical: The equipment should be able to run on the existing electrical provision

Item No. 15
Platelet Incubator with inbuilt Agitator

1. Platelet incubator should have the provision to store 96-platelet bags agitator.
2. Should have transparent outer door for clear visibility
3. Should have micro processor controlled LCD display temperature graph display
4. Should have automated high/low alarm with alarm testing.
5. Should have independent temperature controller.
6. Should have 7 days inkless chart recorder and data logger provided with battery back up to one hour for continuous operation during power failure , should be supply with USB port.
7. The firm will have to supply 300 temperature recorder chart papers and 10 ink pens (if the temperature recorder is not inkless) along with the equipment free of cost.
8. Should be able to maintain a temperature of 22°C with ±1degree variation.
9. Should have digital temperature indicator cum controller
10. Should have forced air circulation for uniformity of temperature all over the incubator.
11. Inner chamber should be made of stain less steel and outer cabinet made of MS sheet powder coated.

Platelet Agitator

12. Should be able to store minimum 96 random bags or aphaeresis bags of different sizes with gentle side-to-side agitation at 3.6 to 4cm, motion of 60-70 strokes per minute.
13. Graphical display of agitation speed of the agitator

Shelves:

14. Should be made of good quality,
15. Coated with bacteria resistant material,
16. Perforated so that air circulation on both side of bags
17. Should be made of 'non slip' material
18. Removable shelves.

19. Should have noiseless heavy-duty ball bearing gear motor, which should continuously operate for 24 hours.
20. Should have built in motion alarm for unplanned ceased agitation.
21. Should be FDA approved or European CE for the quoted model
22. Firm will have to supply the stabilizer if required along with the equipment free of cost
23. Original literature of equipment should be submitted.
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
27. UPS with 30 minutes back has to be provided.

Item No. 16
Blood Bank Cryo-Bath

Purpose:

1. The Cryo Bath is designed for rapid and uniform thawing of fresh frozen plasma bags at 4 ºC +/- 0.2 ºC such that the cryoprecipitate remains solid, and a cryosupernatant liquid is formed that can be transferred out of the bag in order to manufacture cryoprecipitate units.

Operational Requirements:

2. Floor standing system, mounted on lockable castors.
3. Should be having capacity of 12-18 bags per run for one cycle.
4. Should be able to thaw ten to twelve plasma units (FFP ~200-300 ml) at a time.
5. Should have Stainless Steel Tank of 22G, and an insulated lid covered with 20G Stainless Steel.
6. Should be fitted with compartments that have removable rack/tray system for securely holding the plasma bags and ensuring that entry ports are not contaminated with water.
7. Should be a microprocessor controlled water bath based system operating at a temperature at 4 ºC +/- 0.2 ºC or alternative can also be safely set at 37 ºC +/- 0.2 ºC.
8. Digital, electronic system with provision for programmable temperature adjustment setting with LED display with temperature resolution of 0.1 ºC
9. Should not take more than 2 hours at full loads to thaw the plasma into cryosupernatant.
10. Should have a deep thawing chamber with a stirrer for water circulation & gentle rocking for uniform heating by high capacity pump.
11. Should have a system to drain the chamber without lifting or tilting, and should be fitted with a shut off valve.
12. The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90% without getting rusted.
13. Compatible with Input voltage: 240V 50 Hz Single phase AC
14. Should have an integrated voltage stabilizer or external servo stabilizer of appropriate ratings meeting ISI Specifications (Input 160-260 V and output 220-240 V and 50 Hz).
15. Resettable overcurrent breaker shall be fitted for protection

Quality standards

16. Manufacturing should be compliant with ISO 13485 .
17. Should be compliant with European CE or US FDA
18. Equipment must meet electrical safety specifications of IEC 61010-1

Additional requirements

19. All equipment should specify qualifications for design, installation, operation and performance.

20. Validation and calibration reports should have traceability to applicable national and international standards.
21. Complete with comprehensive set of spare parts, and a suitable capacity voltage stabilizer and Suitable UPS with maintenance free batteries for minimum one-hour back-up for each equipment should be supplied with the system.
22. The make, rating, model, description, specifications, price quantity of each item should be furnished separately.
23. Necessary catalogues, technical write up in English, should be attached with the offer both in hard and electronic copies.
24. Performance, efficiency, other factors as applicable should be furnished.
25. Demonstration and continued comprehensive training for lab staff and support services till familiarity with the system.
26. Should provide electronic and hard copies of User Manual (English), Service manual (English) and Complete construction details with respect to material specification, thickness, finish etc.
27. Should provide a set of equipments for providing calibration (eg thermometer) and routine Preventive Maintenance as per manufacturer documentation in service/technical manual.
28. Should provide 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.

Item No. 17
Centrifuge & incubator for column agglutination technique by glass bead/Gel cassettes for Immuno hematology

1. Detailed specification of the gel card centrifuge is as follows
   Purpose of Equipment:

2. Immunohematologic Gel-microcolum-Card-centrifuge to perform manual centrifugation step for Blood Grouping, Cross Matching, antibody screening or identification or phenotyping by coombs and enzyme phase by gel microcolumn technique to detect both IgG & IgM antibodies, and also potentially usable for C3d, Partial/weak D, Single Rare antigens.
3. Must be designed specifically for blood bank use. Commercial or modified commercial centrifuges for other purpose are not acceptable.
   Quality Standard:

4. Manufacturing should be compliant with ISO 13485, and ISO 9001:2008.
5. Should be compliant with European CE or US FDA for this specific purpose.
6. Equipment must be certified for electrical safety specifications of IEC/TR 61010-3-020: “Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 3-020: Conformity verification report for IEC 61010-2-020:1992 Particular requirements for laboratory centrifuges”
7. **Capacity, Construction and Functioning**
8. Centrifuge head should have minimum 6-12 slots to accommodate corresponding manufacturer‟s immunohematologic Gel/glass bead microcolum cards
9. Aerodynamic compact construction with vibration free performance; Noise level should be less than 60dB.
   Lid:

10. The lid of the centrifuge should be transparent and should have auto-locking during spinning.
    Electrical characteristics:

11. Must be compatible with Input voltage: 220/240V 50/60 Hz AC
12. Suitable UPS with one hour back up should be supplied with the system.

13. Microprocessor controlled programming with LCD screen displaying RPM or RCF, time and other functions should be displayed real time.

Additional requirements

14. All equipment should specify qualifications for design, installation, operation and performance.
15. Validation and calibration reports should have traceability to applicable national and international standards.
16. Complete with comprehensive set of spare parts, and a suitable capacity voltage stabilizer and Suitable UPS with maintenance free batteries for minimum one-hour back-up for each equipment should be supplied with the system.
17. Demonstration and continued comprehensive training for lab staff and support services till familiarity with the system.
18. Should provide electronic and hard copies of User Manual (English), Service manual (English) and Complete construction details with respect to material specification, thickness, finish etc.
19. Should provide 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
20. Cards should have a V shaped bottom

The following variety of cards should be available:

21. AHG- impregnated
22. Neutral cards
23. Specific Antibody cards for phenotyping
24. Should have European CE or US-FDA approval
25. Specification for cross matching gel cassettes/Glass beads cards
26. Should be based on column agglutination technique.
27. Cassettes / cards should have pre filled reagents for performing cross matching
28. Firm should also supply other reagents and chemicals to be used in performing
29. Cross matching and other tests
30. Same firm should also supply the suitable centrifuge and incubator to perform the test
31. Incubator for Gel Cassettes
32. Should maintain temperature at 37ºC
33. Specifically designed for incubating cassettes / cards
34. Should have capacity to incubate 20 or more cassettes
35. Digital display of temperature
36. Electrical : 220 volts, 50 Hz

Item No. 18
Electronic Analytical Balance

1. Readability of minimum 0.1mg
2. Capacity of maximum 180-200gm
3. Linearity +/- 0.2mg
4. Repeatability 0.1mg
5. Operating Temperature: 0-45 deg C
6. Pan size (diameter)>= 80mm
7. Response time of 1-2 seconds
8. Internal calibration
9. Backlit LCD display
10. Glass shield cabinet.
11. Power supply 230 VAC +/-10% , 50 Hz
12. Should be CE or FDA approved product.

Item No. 19
Refrigerated Blood Component Transport Box

1. Mobile refrigerated transportation box should be able to transport packet red cells, whole blood, platelets, plasma at the required specific temperatures.
2. Should be robust, light weight, portable mobile refrigerated transport box made up of rotationally moulded polyurethane.
3. Temperature range adjustable from -20 deg C to +22 deg C
4. Capacity to hold 25-30 blood bags of 450ml
5. Should work on AC & DC power with the provision of attachment to vehicle battery.
6. Should have digital temperature display of the internal temperature with functional alarm systems to indicate variations in the set temperature.
7. Should be CFC free refrigerant.
8. Should be USFDA or European CE certified.

Item No. 20
Ultraviolet/White light transilluminator

1 Stainless Steel Filter Frames
2 Long life filters quality, stainless steel filter frame resistant to chemicals and scratching.
3 The epoxy painted body should be chemical resistant
4 High / Low intensity
5 Filter Size and viewing area for UV: 20 x 20cm
6 Viewing area for white light: 20 x 20cm
7 UV Tube: 6 x 15 W
8 Wave Length: 254nm / 312nm / 365nm
9 Hinged UV safety screen
10 UV-protective goggles (1 set) to be provided.
11 European CE or FDA Certified.

Item No. 21
Analytical 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 balance with transparent case

3 Technical Specifications

3.1 Weigh accurately up to 3rd decimal place
3.2 Fully automatic time and temperature controlled internal calibration and balance should be capable to adjust itself
3.3 Auto zero Setting
3.4 Weighing capacity up to 200g
3.5 Readability 0.001g
3.6 Repeatability 1mg or less
3.7 Setting time 1.5 second
3.8 Balance should have
i Liquid Crystal Display (LCD) for display

ii Stainless steel square weighing pan
iii IR sensors for hands free operation
iv warns if balance is not correctly leveled
v automatic and detachable draft shield
vi Detachable and adjustable terminal
vii including user administration and password protection
viii Integrated automatic safety function for external routine operations
ix Alphanumeric data entry of 4 ID‟s

4 System Configuration Accessories, spares and consumables

4.1 As specified

5 Power Supply

5.1 Power input to be 220-240VAC, 50Hz.

5.2 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

5.3 Resettable over current breaker shall be fitted for protection

6 Standards and Safety

6.1 System should be US FDA or European CE approved.

Item No. 22
Microbiological Autoclave (Horizontal)

1 Single door, horizontal Rectangular High Pressure Microprocessor Controlled Microbiological Sterilizer.

2 Fully automatic, Steam jacketed suitable for operation on electricity.

3 Should have pre-selected programs and at least five variable program slot which should be adjustable as per our requirements

4 The unit should have third party certification for all the below given standards
a) European „CE‟ or USFDA

5 Chamber Capacity: 300 - 400 liters

6 The working temperature range of 110 ºC - 134ºC and user should be able to set the desired sterilization temperature and sterilization time (10 minutes onwards) in the increment of one unit. This required particularly sterilization of culture media special at 110ºC for 10 minutes and 121ºC for 20 minutes.

7 The chamber, jacket, door and pipes should be made of stainless steel AISI 316 or higher quality.

8 The door should have two locks, one automatic and one manual.

9 Front and side panels should be made up of AISI 304.

10 The chamber should be supplied with two rails made up of AISI 316 for easy loading and unloading. A long steel handle should also be supplied to pull out hot sterilization carriage.
a) Pull out trays/ Tanks (2 pieces), floor loading carts and transfer carriages should be made up of AISI 316. Pull out tray/Tank in the chamber should have raised edges to protect against solution spillage during sterilization
b) The provision of locking the trolley as well as the carriage should be present.
c) Loading cart should have a coupling system for connecting and disconnecting with the loading and unloading system of sterilizer.

11 The digital display at front panel will show the following parameters:
i) Chamber temperature
ii) Cycle no.
iii) Batch no.
iv) Time & Date
v) Alarm indicator
vi) Error code

vii) Low water indicator

12 Inbuilt boiler made of AISI 316 or higher quality with low water protection system and automatic salt removal system.

13 Inbuilt or External Printer to record dates, time, load, identification no. and operating parameters i.e. temperature and holding time etc.

14 Compatible Water softener / RO based water purification system to feed autoclave.

15 The system should be able to work at 3 phase

16 Installation should be on turnkey basis. Following will be the terms and conditions:

a) Water, electrical connection cable and drain outlet will be made available by the department. The supplier shall be responsible for arranging rest of the things for installation and smooth functioning of the equipment.

b) Any civil work including flooring, tilling, plaster paint work or wood work, required for installation of autoclave shall be the responsibility of the supplier.

c) Following shall be provided by the supplier along with machine

i) Two sets of operating manual.

ii) Two sets of circuit diagram.

iii) Service manual.

Item No. 23
Biosafety cabinet CLASS II A

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

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

3 The cabinet noise level must be less than 65 decibel

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

5 Efficiency of HEPA filter should be almost 99%

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

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

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

9 Safety alarm / safety display for :
Low air velocity
Faulty exhaust fan etc.

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

11 Should meet NSF-49 standards. Should be US FDA or European CE approved.

12 Movable stands

13 Warranty should cover UPS and batteries.

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

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

16 Drain pan should be made of stainless steel.

Item No. 24
Biosafety Cabinet CLASS II TYPE B2

1 The system should be microprocessor based. The microprocessor must display the inflow and down flow air velocities in real time on an LED / LCD display to ensure the user knows whether or not the cabinet is working under safe operating conditions.
2 Motor must automatically adjust the air flow speed to ensure continuous safe working condition. Air flow shall be as per requirements of Biosafety regulations in respect of at least BSC II B level cabinet.
3 Cabinet of bio safety Class II Type B2 specification
4 Minimum internal dimensions (W x D x H) should be 900-1250X 500-650X 600-700 mm
5 Base stand of minimum 75 cms in height
6 Well illuminated preferably stainless work surfaces
7 Sliding window that can be opened to insert & remove larger equipment.
8 Microprocessor based controlled system to supervise operation of all cabinet functions
9 Alarm/check system to trigger in case of safety failure
10 Fluorescent lamps for lighting of the interior of the cabinet. Front of the cabinet preferably be angled to help minimize glare.
11 A provision for UV light to disinfect the interior of the cabinet. UV light must be programmable to allow for specific exposure time from 0 to 24 hrs. Automatic UV switch „OFF" on opening of front window. The front window should be made of laminated safety glass to protect against leakage of UV rays and to ensure containment of potential hazardous material.
12 Safety alarm / safety display for: Safety alarm / safety display for: Low air velocity,Faulty exhaust fan etc.
13 Electrical requirement 220-240V AC, 50Hz with Indian type plug
14 Down flow ULPA filter efficiency >99.999% at 0.1 to 0.3 microns
15 Exhaust HEPA filter efficiency >99.99% at 0.1 to 0.3 microns
16 Exhaust to the outside environment via dedicated ducting
17 Provision for gas burner fitting
18 Adjustable ergonomic lab chair supplied with the system
19 Comprehensive user`s manual with a report documenting all test procedures
20 Onsite installation and training for operating the equipment
21 Should meet NSF-49 standards. Should be US FDA or European CE approved.

Item No. 25
Pharmaceutical Refrigerator

1 Capacity: 325- 400 litres
2 Temperature 2-8 C.
3 Preferably roller or caster mounted.
4 Adjustable shelves.
5 Battery backup for display and alarms
6 Durable rust free exterior.
7 Durable interior.
8 Control panel with temperature alarm, on/off switch and digital thermometer.
9 Interior lighting, auto or manual defrosting arrangement
10 Adequate circulation of air to ensure even cooling
11 Door with lock.
12 Control panel with temperature alarm, ON /OFF switch with power on indicator, digital thermometer, temperature display.

13 Electronic automatic temperature control,
14 Operable at 220 V, 50 Hz, single phase AC supply.
15 Compressor unit to be hermetically sealed with guarantee for at least five years.
16 Should have all the accessories required for the functioning of the equipment.
17 All electrical peripherals required for smoothes functioning e.g. voltage stabilizer provided with the equipment.
18 System should be US FDA or European CE approved.

Item No. 26
Vertical Laminar Flow Bench With Hepa Filter

1 Dimension of the system (W x D x H mm)
   a Inner dimension: 1200 X 600 X 650 mm
   b Outer dimension: 1320 X 905 X 1900 mm
2 Should have an approximate air volume capacity of 1350m3/h
3 Should have microprocessor controlled electronic circuitry
4 Should have LCD/LED display to show measured parameters like Stage velocity, total using time, UV/FL lamp on/off , Equipment should be on castor wheel for easy movability.
5 The air purification should be done through class 100 HEPA filter, with 99.97%, 0.3 um particle removal
6 Should have a pre-filter of 3-30 um particle removal, and it should be recyclable
7 The cabinet should give class 100 purity
8 Should have an wind velocity of 0.35-0.50 m/sec
9 Should have UV lamp 40 W x 2 EA, FL lamp 40 W x 2 EA
10 Material of construction
   a Inner - Stainless steel
   b Outer - Powder coated steel
11 Door should be made of tempered safety glass sliding door or glass wind screen
12 Utility device - air cock, gas cock
13 Electricity Supply - 220 V, 50/60 Hz
14 Ensure noiseless operation and anti-vibration construction provides efficient working environment.
15 Filter replacement warning signal.
16 Should be FDA or CE approved
17 Should meet NSF-49 standards

Item No. 27
High Air Flow Sampler

1 Must comply with latest International Standards
2 Ensures positive and consistent results
3 Fully Stainless Steel construction
4 Electronically controlled
5 Air Flow Rate: 100 lit/min
6 Air Velocity is 0.45 m/sec
7 Horizontal aspiration (laminar), the air impact speed to the culture medium is 20m/sec.
8 Table speed: 1rpm
9 Blower motor: ¼ HP
10 Supply: 230V,mains A/c
11 Time (Selection): 0 to 999 sec.

12 Autoclavable metal top
13 Collection method: Sieve impaction
14 Plate size: standard plate (100 mm)
15 Exchangeable battery pack remote operation: 7 Hours
16 Mains charger: 240 Volts AC
17 Anodized aluminum housing
18 Norm threaded hole for camera tripod
19 Autoclavable perforated lid
20 Programmable start-delay function (1 to 60 minutes)
21 Preprogrammed collection volumes; 10,20,50,100,200,250,500,750 and 1000 liters
22 1 volume of choice programmable
23 Adjustable sampling head (any angle between horizontal and vertical)
24 Factory calibrated (with certificate) with in house Calibration Facility
25 Should be USFDA or CE or BIS certified

Item No. 28
Membrane Filter Holder with Hand Held Vacuum Pump

1 Double hand operated vacuum pump with gauge monitor.
2 Trigger release disassemble for repair.
3 Sealed unit with self lubricating
4 Pump pressure 1lb
5 It should include PVC tubing
6 The reusable filter holders should be of autoclavable and transparent material, with membranes in place.
7 Holder should have upper chamber for vaccum/pressure filtration.
8 Independent locking rings to seal upper chamber to receiver funnel without damaging the membrane
9 Chamber should be able to accommodate 47mm size membrane and should have three ports for adding samples
10 It should accept syringe filter
11 Two year warranty on motor

Item No. 29
Ultra pure (Nuclease free) Water Purifications System

A **Ultra pure Water System:** - Water quality required for Molecular biology, Tissue culture/HPLC applications. The system should contain pre filtration unit, Type 2 RO filtration equipment, Reservoir 50L and Type 1 filtration equipment.

B. Pre filter Unit:

1 Regenerable pretreatment unit for removing hardness, iron, manganese, organics and coarse particles.
2 Motor and booster pump for feed pressure.
3 R O grade water system
4 Prefilter with anti scaling and activated carbon reverse osmosis
5 Conductivity cell after RO membrane to check health of RO membrane
6 Feed water handling of conductivity up to 2000microns/cm.

C TYPE 2 RO Stage Water Quality:

1 Flow rate: 15-20L/hr
2 Organic ion removal up to 99%

3	Resistivity: 5-15 cm.,
4	TOC < 30 ppb,
5	Colloidal index SDI < 3
6	Feed water pressure bar: 0 -5
7	Electrical feed voltage 90 – 230V ± 10%
9	One pair of extra cartridge.
D	**Ultra pure water machine producing water of the following quality:**
1	Conductivity of 0.055 microns/cm
2	Resistivity of 18.2 mega ohm. Cm
3	Bacteria cfu/ml < 1
4	Particles : <1/ml
5	TOC: < 5 ppb
6	Endo toxin: < 0.001EU/ml
E	**Unit should be US FDA or European CE approved.**

Item No. 30
U.V/Visual Spectrophotometer

1	Minimum Sample Size: 0.5 microlitres
2	Path Length 1 mm
3	Light Source(s) Xenon
4	Detector Type CCD/PDA
5	Wavelength Range 230-1000 nm
6	Wavelength Accuracy 1 nm
7	Spectral Resolution of 2-3 nm
8	Absorbance Precision of 0.002 – 0.003 0.003
9	Absorbance Range: 0.0 – 2.0 A 0.002 – 1.5
10	Minimum sample size 0.5 microlitre
11	Detection limit: 2 ng/micro litre dsDNA
12	Sample detection for RNA and Protein
13	Maximum sample concentration: 10000-15000 ng/microlitre of dsDNA
13	Measurement Time < 5 seconds
14	PC with software Windows XP/2007 or inbuilt LCD Screen
15	System should be US FDA or European CE approved.

Item No. 31
AGAROSE GEL ELECTROPHORESIS

1	Gel electrophoresis system (Horizontal) with power pack
2	Gel Tray size 15 x 7 cm, 15 x 10 cm and 15 x 15 cm
3	Sample throughput 24-96
4	Buffer volume: 500-2000ml
5	Horizontal agarose gel electrophoresis apparatus
6	Buffer tank with platinum electrodes
7	Capacity to run gel with at least 10 samples
8	Gel trays should be UV transparent
9	Power pack – max, voltage (300 V), max current (500 mA), Constant current (available) and constant voltage (available) and at least two outputs

10 Accessories: Gel trays, Combs etc
11 Should be FDA or European CE approved product

Item No. 32
Semi Automated ELISA Reader and Washer

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

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

Item No. 33
Water Bath Serological

Useful for dual purpose. It is a combination of serological and routine rectangular water bath with holes and concentric rings.
1 Standard double wall construction.
2 Inner chamber made out of highly polished stainless steel sheet and exterior made out of thick mild steel duly finished power coated paint.

3 Immersion heaters are provided for heating to attain temperature range from 5° C above ambient to 95° C ± 1 °C.
4 Digital temp. Indicator-cum-Controller. The equipment to work on 220v AC 50 Hz single phase.
5 Chamber size in mm & inches L x W x H 300 x 225 x 175 mm Approx Capacity appox 15 ltrs. Approx.
6 Manufacturer should have ISO certification.

Item No. 34
Liquid Nitrogen Drum

1 The vessel should be lightweight, ideal for laboratory and medical applications. 2. Standard dimensions & shape for ease of handling pouring and use within laboratory. 3. Should be compatible with transport/pouring trolley, tipping stand & roller base 4. Technical specifications:
i Should have a capacity of 30-35 Litres
ii Static Hold Time should be at least 120 days
iii Evaporation Rate should be 0.20 or Approximate Neck tube diameter should be 50mm
iv Liquid withdrawal device should be provided
5 Accessories, spares and consumables as required for running the system
6 Tanks should be as per ASME specification complying safety norms.
7 CE or FDA or ISO certified.

Item No. 35
Positive Pressure Pump for Tissue Culture

Specification:
1 Positive pressure filtration pump for membrane filter of 90-100mm diameter
2 Made of S.S with stand.
3 Filter holder made of S.S with stand and able to membrane size of 90-100mm diameter
4 Should have maximum pressure 19 bar
5 Maximum differential pressure 5bar
6 Dimension: height- 16-17.5 cm, diameter 11-12.5 cm
7 Fitting inlets/outlets- 1.4 in mptf with connection supplied for 9.5mm
8 Vent/relief valve 1/8mptf
9 Should work on 220-230V AC

Item No. 36
Binocular Microscope for Faculty

1 Microscope stand with Coaxial focusing control knobs, coarse motion torque adjustable, Upper stage drive stop incorporated.
2 Color Corrected Infinity Optical System, Anti fungus
3 Choice of different powers of objectives (long barrel 4X, 10X, 40X spring, 100X oil, spring). Objectives should be plan apochromatic.
4 Eyepieces with pointer (paired and compensating) 10X (FOV 20 or more)
5 Mechanical stage of standard dimensions
6 Swing out Type Plan Achromatic Condenser, N.A. 0.90.
7 Light Source: LED
8 Lamp should not produce undesirable heat.
9 Cover and Casing for storage of objectives, eyepieces, whole assembly
10 Power Supply 220-240 V AC,

11 C Mount Adapter
12 High resolution Digital Camera with resolution: 12.0 mega pixels
13 USB to PC connection
14 Macro viewing tube
15 Calibration slide
16 Imaging Software
17 Instant Image Capturing, Real time full screen image
18 Easy Measurement Calibration, Measurement in microns, inches, millimeters
19 Automatic image amalgamation
20 Microscope, Digital imaging system and software should be of the same brand and same manufacturer to ensure complete compatibility and optimum performance.
21 System should supply with suitable PC and 18.5" - 21" size Monitor
27 Microscope should have trinocular tube for attaching the camera.
28 Should be European CE or FDA approved.

Item No. 37
Dark Ground Microscope with Phase Contrast

1 Specification
Focus: Vertical stage movement: 25mm stage stroke with coarse adjustment limit stopper, Torque adjustment for coarse knobs, Stage mounting position variable, High sensitivity fine focusing knob (minimum adjustment gradations: 1μm)
2 Illumination: LED light source
3 Revolving Nosepiece : Interchangeable reversed nosepiece
4 Observation Tube : Widefield tilting, telescopic and lifting binocular
5 Stage: Ceramic-coated coaxial stage with left or right hand low drive control: rotation and torque adjustment mechanisms
6 Phase contrast, darkfield (N.A. 1.1), [phase contrast: for 10x–100x, darkfield: for 10x–100x (up to
N.A. 0.80)]
7 Universal (N.A. 0.9), for 1.25x–100x [swing-out: 1.25x–4x, with oil top lens:(N.A. 1.4)]
8 Accessories: Should be supplied with wooden box and dust cover
9 Should work on 230 V AC
10 The product should be USFDA or European CE approved Product.

Item No. 38
Lyophilizer

1 System should be compact, bench-top.
2 The system should have Microprocessor Controlled LCD system.
3 The Programmable controlled temperature.
4 Automatic defrosting system for ice condenser when necessary.
5 The system should have Vacuum Control / Break Valve.
6 The system should have Hot Gas defrosts and switch.
7 The refrigerant type should be CFC free.
8 The condenser capacity should be minimum 3.5 litres. Capacity – 150-175 lts.
9 Stoppering should be top down pneumatic.
10 Preferably double compressor.
11 Should be CE or BIS approved product
12 It should have 12 ports for tubes/ampoules/vial

Accessories:

1 Adopter for ampoule & vial, flask – 1 pack each
2 Sealing crimper for vial.
3 Sealing torch for ampoule.
13 Complete system should be US FDA or European CE approved.

Item No. 39
ICE flaking machine

1 For Production & Storage of Flaked Ice directly from Tap water
2 Should have antimicrobial protection against mold, mildew and fungus
3 Large bin door for easy access
4 Stainless Steel Exterior
5 Automatic Cut off when storage Bin is full
6 Air cooled or water cooled compressor
7 Attached legs to raise ice maker and for levelling on uneven floor
8 Added Para:
i Ice making capacity : Minimum 90 kg per 24 hours
ii Ice storage bin capacity : 45 kg

Item No. 40
Orbital Shaking Incubator

1 Double walled inner chamber.
2 PUF insulation between two walls
3 Heavy angle frame structure from all sides
4 Corrosion resistant stainless steel chambers
5 Front loading glass door
6 Shaking assembly electric pulley mechanism/ triple eccentric drive system
7 Universal tray to hold various spring clamps.
8 Clamps to be provided for 2L, 1L, 500 ml, 250 ml and 100 ml flasks – 2 nos of each size
9 RPM 50 to 300 RPM controlled by regulator
10 RPM Indicator in digital display
11 Stroke 25 to 30 mm stroke displacement
12 Temperature range : Ambient +5˚C to 60˚C or more
13 Stability : ±0.1˚C or less
14 Increment : ±1˚C or less
15 Uniform temperature maintenance
16 Should have over temperature safety feature
17 Illumination light to view.
18 Digital timer with audio visual alarm
19 To be provided with UV lamp.
20 Should be able to retain parameters during power failure and restarts unit automatically
21 Operable at 220 volts
22 Should be European CE or USFDA approved product

Item No. 41
Anaerobic Work Station with Gas Cylinder Complete

1 Fully automatic, microprocessor controlled, table top work station for anaerobic bacterial culture (Clinical/diagnostic work)
2 Fitted with one additional connection for attaching gas jar, so that jars can be attached, side by side simultaneously.
3 Touch screen operating panel and in-built vacuum pump.
4 Able to generate any mixed gas atmosphere (other than hazardous and inflammable) in transparent jars, by programming of required O2 (atmospheric) and CO2 & H2 (from cylinders of mix gases & pure gases) percentage
5 All controlled conditions like Capnophilic, anaerobic & Micro-aerophilic be created within 60 seconds, should be reproducible and stay within 0.5% of the desired value.
6 Minimum 30 programs to be customized as per user requirements.
7 System to identity defective jars, catalysts and non-availability of gases, before incubation.
8 Intake air filters facility to prevent air microbial contamination.
9 It should keep its jar atmosphere with appropriate humidity to prevent drying and cross contaminations
10 It should be able to work with standard transparent anaerobic jars of any make
11 The equipment should be supplied with two sets of all necessary accessories including gas cylinders and pressure regulators (One set to be in-use and one set to be kept reserve)
12 Supplier should provide both sets of required gas cylinders filled with gases at the time of installation.
13 Four spare jars of twelve plates capacity to be supplied along with machine
14 Accurate temperature control: +5 – 45 deg C with automatic humidity control without dry spot.

Item No. 42
Forced Air Incubator Microprocessor Controlled

1 Temp range 20 deg C to 75 deg C
2 Temp. uniformity ±0.30C
3 Capacity 100-120 ltrs
4 Temp setting- 0.10C increments
5 Alarm – audio & visual if temp fluctuation more than 10C
6 Tampered glass inner door
7 Temp recovery within two minutes
8 Adjustable shelf
9 Air change 3-5 cycles/ hour
10 Should be CE or FDA or BIS approved product

Item No. 43
Hybridization Chamber

1. Hybridization oven with one chamber
2. Vacuum glass door.
3. Should have a temp. range from 10°C to 85°C
4. Speed 5-15 RPM variable
5. Should have platinum temperature sensor
6. Control accuracy 0.5°C.
7. Equipment should also have a shaker platform with approximate dimensions 20 x 25cm (W x D)
8. Accessories should include –
    a. Holders
    b. 6 Large hybridization bottle
    c. 12 medium hybridization bottle
    d. 12 small hybridization bottle
9. Should be provided with 5 packs of Nylon meshes and all other manual accessories.
10. Certificate of inspection and calibration
11. Should be CE or FDA or BIS approved product

Item No. 44
Fluorescent Microscope

1 Microscope should have reversed sextuple revolving nosepiece to accommodate five objective at a time
2 40x-100x for magnification with Infinity optical system
3 Mechanical Tube Length should be from 180/200 mm and with parafocal distance of 45/60 mm.
4 Siedentopf design super wide filed Trinocular eyepiece tube which should be inclined at 25 degree angle with field of vision (F.O.V.) should be 22mm/25 mm or better.

5 Should be anti-fungus type 10X (2pcs) eyepiece lens with both sides Diopter adjustment (F.O.V. 25mm) should be Anti Fungus type High numerical aperture (N A) plan Fluorite objective
6 "Objective : W.D: 4X, 10X, 20X, 40X, 100x
7 Fine- 0.1mm/ rotation
8 Coarse-14mm/ rotation
9 Coarse motion torque adjustable refocusing stopper should be incorporated.
10 Rectangular mechanical stage with double slide holding capacity
11 Achromatic swing out condenser N.A.0.90/0.22
12 Built-in auto photo preset switch
13 High intensity transmitted fluorescence system light emitting diode (LED) blue and green red wavelengths.
14 Five fluorescence filter blocks in rotating turret which should prevent stray light from the reflector from entering the optical path.
15 Filter block for blue
16 Filter block for green
17 Filter block for UV
18 Image analysis software for histological application.
19 Digital camera with 12.5 mega pixels.
20 All the products have to be from same manufacturer for better compatibility.
21 The product should be USFDA or European CE approved Product.

Item No. 45
Inverted Research Microscope for Bright field, Phase Contrast, fluorescence, along with High Resolution Digital Image Analysis System

A Microscope Body :
Microscope body with Infinity optical corrected optical system, Extendable optical free space up to 80 mm for attaching other attachment in future, facility for 2 way or more light distribution of light, up/down focusing, side port for attaching digital camera upgradable to one additional port for another camera, binocular tube with built-in to one additional port for another camera, binocular tube with built-in Bertrand lens & dark slide shutter along with dioptre adjustment facility suitable for tissue culture.

B Condenser:
Universal turret condenser (suitable for all microscopy techniques) with 5 positions

C Illumination:
100 W Pre-centered Halogen Illumination/ LED.

D Eyepiece:
10X with F.O.V 22 or better and dioptre adjustment facility on both eyes, anti fungus type,

E Nosepiece :
Sextuple revolving nosepiece to accommodate five objectives at a time.

F Stage:
Rectangular universal mechanical stage

G Objectives:
Plan Fluorite Objectives suitable for Bright field/Phase Contrast/fluorescence/ DIC Observation with facility of cover glass correction. 4X , 10X, 20X , 40X

H Fluorescent attachment:
With six position turret filter block, Noise Terminator mechanism incorporated for high signal ratio images with Pre centered Mercury Fibre Illuminator of 120/130W, lamp should have life time of 2000 hrs or more.
Bandpass Fluorescent filters for FITC/GFP, TRITC/Rhoda mine, DAPI/Hoechst applications so that no cross talk is available.

I Digital Camera:
Digital Color Camera capable of Handling Very Low Light, Fluorescence, Darkfield or Dic Images with 2/3" High Density CCD/CMOS Chip, Approx. 12.0 Million pixel resolution (2200 TV Lines), 15 f/p/s with full screen Size, Cooling 10ºC below Ambient, 12-Bit Digitization, Exposure Time 1/16,000 to 60 sec., Dynamic Range 2000:1, USB port for attaching camera onto Desktop/Laptop through single wire.

J Software should be with following features:
Acquisition and device control through four –dimensional acquisition, Image Acquisition, Time Lapse imaging, Z-stack, Multi-channel Fluorescence, Annotation, 2D/3D View, ND viewer, Filter, Morphology, Large Image, Macro, Segmentation, Auto-measurement, Report Generator facility, Data Base, Vector layer and Multi-Dimensional File Format (ND Format), Microscope Camera and Software should be from one source for better compatibility. Data collection and processing unit: Computer and accessories : Branded computer, 4 GB RAM, DVD writer, 500 GB or higher HDD, 17" TFT Monitor, compatible UPS along with Color Printer. Note: Microscope , Camera and Software should be from one source for better compatibility.

K Consumables :
Mercury Lamp 1 No. and Halogen Lamp 6 Nos. All the products have to be from same manufacturer for better compatibility.

L Should be FDA or European CE approved product

Item No. 46
Intermittent Pneumatic Compression for Prevention of DVT

1 System should consist of a 3- 4 chamber sequential compression device with a total fast filling cycle and emptying cycle total of 60 seconds approximately.
2 Should have disposable sleeves which offer a compression of the foot and the calf
3 The pressure range of the machine should be 50 mm Hg +/- 10%.
4 The cycling time should be one minute - the machine repeats the compression every minute and can be run for 24 hours continuously to provide optimum DVT prevention for the patient. (Optional)
5 It should be lightweight and noise free and vibration free.
6 The compression sleeves should be comfortable to wear and easy to use for patients and the machine should have inbuilt alarms for monitoring.
7 The compression garment can be cleaned and reused with a warranty or 20 Nos. disposable sleeve to be provided
8 Provisions should be available for closing of one leg pressure vent when used on single limb.
9 Accessories: Availability of sleeves/cuffs in three different sizes small, medium and large.
10 It should operate on 220-230 volts/115v, 50-60 Hz
11 Should be CE/FDA/BIS approved.
12 Garment/Sleeves rates should be quoted separately.

Item No. 47
PMR Equipment list of surgical instruments

General Surgical Instruments (For Deformity Correction, pressure ulcer surgeries & Rehabilitation Surgeries)

1 Sponge Holder-4
2 Towel Clamp (Small)-1 dozen
3 Towel Clamp (Large - artery forceps type)-1 dozen
4 Bipolar cautery-1
5 Monopolar cautery-1
6 Suction Apparatus-1
7 BP Handle - for blade number 24 (Big)-3
8 BP Handle for blade number 15 (small)-3
9 Straight Artery Forceps (6 inch)-1 dozen
10 Straight Artery Forceps(8 inch)-6
11 Straight Artery Forceps (10inch)-6
12 Mosquito straight Artery Forceps-1 dozen
13 Curved Artery Forceps (6 inch)-1 dozen
14 Curved Artery Forceps (8 inch)-6
15 Curved Artery Forceps (10inch)-6
16 Mosquito Curved Artery Forceps-1 dozen
17 Allis Tissue Forceps (6 inch)-1 dozen
18 Allis Tissue Forceps (8 inch)-1 dozen
19 Allis Tissue Forceps (10 inch)-1 dozen
20 Cockers Forceps (6 Inch)-6
21 Cockers Forceps(8 inch)-6
22 Thumb Forceps toothed (8 inch)-4
23 Thumb Forceps Toothe (6 inch)-4
24 Thumb Forceps Plane (6 inch)-4
25 Thumb Forceps Plane (4 inch) Twizzer-4

26 Needle Holder (8 Inch)-4
27 Needle Holder (6 Inch)-6
28 Needle Holder (10 Inch)-6
29 Scissors (10 Inch)-4
30 Scissors (8 inch) (Stitch Cutting)-4
31 Dissecting Scissor Straight (8 inch)-4
32 Dissecting Scissor curved (8 inch)-4
33 Dissecting Scissor Straight (6 inch)-4
34 Dissecting Scissor curved (6 inch)-4
35 Pointed small scissor straight-4
36 Pointed small scissor curved-4
37 Lahey's Forcep (Medium) 8 inch-2
38 Lahey's Forceps (Medium) 6 inch-2
39 Right Angle Retractor (3 Inch)-2
40 Right Angle Retractor (2 Inch)-2
41 Right Angle Retractor 1.5 inch-2
42 Right Angle Retractor 1 inch-2
43 Langenham's Right angle Retractor (Medium)-2
44 Langenham's Right angle Retractor (small)-2
45 Small 3 Plunge /2 plunge Retractor-2 Pairs
46 Bone Hammer (Mallet) (Large)-2
47 Bone Hammer (Mallet) (Small)-2
48 Bone Lever - Large - 2
49 Bone Lever - (Medium)-2
50 Bone Lever- (Small)-2
51 Diamond (Watson Jone) Bone lever (Medium)-2
52 Diamond Bone (Watson Jone) Lever Small-2
53 Bone Lever Serrated curved - Medium-2
54 Bone Lever serrated - small-2
55 PerIosteum Elevator (Large)-2
56 Periosteum Elevator (Small)-2
57 Bone Holding Forceps (Large)-2
58 Bone Holding Forceps (Medium)-2
59 Bone Holding Forceps (Small)-2
60 T Handle-2
61 Electric Drill for Bone-1
62 Battery operated bone drill-1
63 Manual Stainless steel Bone drill-2
64 Electronic digital Torniquet with cuff set-1
65 Pneumatic Torniquet with cuff set-1

Cutting Instruments

66 Straight Osteotome- 25 MM-1
67 Straight Osteotome- 20 MM-1
68 Straight Osteotome- 15MM-1
69 Straight Osteotome- 10 MM-1
70 Straight Osteotome- 5 MM-1
71 Curved Osteotome- 25 mm-1
72 Curved Osteotome- 20 mm-1
73 Curved Osteotome- 15 mm-1
74 Curved Osteotome- 10 mm-1
75 Curved Osteotome- 05 mm-1
76 Straight Gauge- 15mm-1
77 Straight Gauge- 10mm-1

78 Straight Gauge- 05mm-1
79 Curved Gauge -15 mm-1
80 Curved Gauge-10mm-1
81 Curved Gauge - 5 mm-1
82 Straight Bone nibbler Double Cutting Big-1
83 Straight Bone nibbler Double Cutting Small-1
84 Curved Bone nibbler Double Cutting Big-1
85 Curved Bone nibbler Double Cutting Small-1
86 Bone Cutter Large-1
87 Bone Cutter Small-1
88 Bone Chisel (15mm)-1
89 Bone Chisel (10mm)-1
90 Bone Chisel (5mm)-1
91 Wriggle and Saw Handle-2 pair
92 Wriggle and Saw Wire-1 Dozen
93 Bone file-2
94 K wire extractor-1
95 Small T handle for scanz pin holder-1
96 Stainless steel wire cutter cum bender and plier (Large)-1
97 Stainless steel wire cutter cum bender and plier (Small)-1
98 Plate Bender-1 Set

Plaster Cutting Set

99 Electric Plastic cutter-1
100 Manual Plaster Cutter-2
101 Plaster Spreader-2
102 Plaster cutting scissor-2

llizarov Set of Instrument

103 Heavy Duty Pliar-1
104 llizarov wire cutter-1
105 Rench for sixe no 9 and 10-nut/bolt-6
106 Box Rench for size 10-nut/bolt-2
107 Wire rensioner-2
108 Dynamometer for giving wire tension-2
109 Screw driver 4.5mm-2
110 Screw Driver 3.5 mm-2
111 Bone tap 4.5 mm-2
112 Bone tap 3.5 mm-2
113 Drill Sleeve - 4.5 mm and 3.5mm-2

Tendon Transfer Instruments

114 Tendon Tunneller-Large-1
115 Tendon Tunneller- Medium-1
116 Tendon Tunneller- Small-1
117 Tendon Passer Straight Large-1
118 Tendon Passer Straight Medium-1
119 Tendon Passer Straight - Small-1
120 Skin Grafting knife (Humpy)- 6 Inch Blade Holder-1
121 Skin Grafting knife - 2 Inch Blade Holder-1
122 Bone Curetter Large-1
123 Bone Curetter Small-1
124 Skin Hooks - Single and double prong-2
125 Self retaining retractor (Medium)-1
126 Self Retaining retractor (Small)-1
127 Bone Awl straight-1

128 Bone Awl curve-1

Item No. 48
Tilt Table (Manual)

1) Manually operated tilt table with foam padded top
2) Provided with three straps to hold the patient- Thoracic, Pelvic and Knee
3) Range of tilt calibrated from 0-90 degree
4) Table top is 61 cm wide x 198 cm long x 80 cm high
5) Fitted on heavy duty tubular steel frame with locking castors for easy mobility
6) Oven baked finish
7) Provided with two griping handles for various activities.
8) Should be CE / FDA / BIS certified

Item No. 49
PARALLEL BAR WITH PLATFORM

a The Length of Parallel Bar will be 12 feet, Width adjusts from 15” to 28” with ergonomic control knobs on each upright.
b Mounted on a wooden Platform, provided with Mirror.
c "anti-slip" treads on each end.
d 1.5 diameter one piece stainless steel handrails.
e Heavy gauge black powder coated steel uprights and fittings.
f Each upright telescopes up in 1.5 increments and locks into various height positions with fail-safe ball-tip locking pin.
g Weight Capacity: more than 200 lbs.
h Should be CE/FDA/BIS/Equivalent Certified.

Item No. 50
Motorized Wheel Chair

Specification of wheel chair

Load capacity	:	100 Kg (minimum)
Speed	:	Up to 8 km/hr
Motor power	:	270-320 Watt
Motor speed	:	4700-5300 rpm
Brake	:	Electromagnetic
Gradeability	:	10 degree (minimum)
Ground Clearance	:	7 cm (minimum)
Drive Range	:	10 km (minimum)
Trun Circle Radius	:	60 cm (max)
Battery	:	20 volt 24ah maintenance free
Total Dimension	:	Total Length- 100 cm
		Total Width≤60 cm
		Total Height ≤100 CM
Seat Dimension	:	Depth =40 cm
		Width =50 cm
		Back Height =40 cm
		Back Width =50 cm

Arm Support Width : 5 cm (minimum , height of arm support should be adjustable)
Foot Support : 20 cm in length (minimum ,height of support should be adjustable)
*It should be able take signal thought joy stick mounted in right arm support signals from other Means through wired .
Should have removable arm rest & Foldable foot support .
Should have reclining mode .
Should be CE/FDA/BIS/ Equivalent certified .

Item No. 51
Medical Gym

1. Made of Heavy duty Steel frame. Covering at least following exercises – Leg press, high/low pully, butterfly, back exercises.
2. Maximum user weight 150kg.
3. L = 210 x W = 306 x H = 220 cm
4. Net Weight – more than 300 kg with out Cover.
5. Provided with at least 4 stations, high/ low Pulleys, butterfly, bench press, sit up.
6. Should have facility for Range limiters , which can be used to limit the range of motion- in flexion and extension
7. Many of equipment should dual action.
8. Unit should be CE / FDA / BIS / Equivalent certified.

Item No. 52
Drug Cart

Advanced Emergency Cart-

1. Emergency cart contructed of steel/aluminum and high density resin.
2. Defibrillator shelf with monitor straps, glove dispenser, sharp container, oxygen cylinder cradle, IV pole, cardiac chest board, writing surface.
3. Clear plastic/ABS plastic overlay for top cap.
4. Push handle built in to the end panel for smooth and stable movement.
5. Pullout writing surface top.
6. Cart should be light, sturdy and scratch resistant.
7. All drawers should be lockable individually.
8. Should have minimum of five drawers with adjustable/fixed divides.
9. Should have side bin discarding syringes and gloves.
10. Castor, should not be less than 5” diameter to facilitate quite and easy manuvrebility,dust-prevention, flexible transportation.
11. Size should be :-Height: 100 to 110 cm
    - Base should not be less than 60 to 70 cm
    - width and depth should be good enough to accommodate the necessary items:
12. US FDA/CE/BIS certified.

Item No. 53
Flexible Intubation Endoscope with monitor and recording facility for adult and pediatric use

1. Flexible Intubation Endoscope with CMOS chip on tip for digitally transferring the image to the screen. Intubation Endoscope to display Full Frame. The image can be displayed directly on a integrated TFT monitor.

2. It should have a process to process CMOS video on screen and also to send signal to endoscope to illuminate internal LED light for producing light to display surgical area.
3. Automatic/ manual white balance facility should be available on the monitor as well as on the scope
4. Documentation of Video & still images should be possible on data card or USB drive with JPEG and MPEG4 format which can be easily transferred to the computer/laptop. Documented videos & still images should be easily recalled on the monitor
5. Screen should be rechargeable & runs on Lithium Ion Batteries (operating time- 1 hr or more)
6. It should be light weight , high resolution & potable flexible scope
7. Airway Guide (cum Bite block) for Oral intubation should be provided with the set (at least 10 airways)
8. TUBE HOLDER should be a part of standard accessory.
9. It should be supplied with mobile trolley wherever applicable.
10. The mobile trolley should have basket for keeping accessories.
11. The Video scope should be supplied with tray system for disinfection and storage.
12. Set should include- Suction Adaptors (Disposable), Cleaning brush & Leakage tester as standard accessories
13. Suitable for following applications-
    a. Bronchoscopy
    b. Endotracheal Intubation (Gold standard for Difficult Airways)
    c. Foreign body removal
    d. Bronchial Lavage
    e. Inspection of the Airways
    f. Dilatation Tracheotomy
14. Technical Details of Flexible Video Endoscope-
    a. Tip deflection UP (140-180)deg, DOWN: (120-140) or more
    b. Angle of view 90^0 or more,
    c. Working Length: at least 60 cm or more,
    d. Total length: at least 86 cm or more,
    e. Working Channel diameter: at least 2.2 mm or more,
    f. Distal Tip Outer Diameter: 5.5 mm or less
15. Bidder has to give demonstration of the quoted model.

Item No. 54
Syringe Infusion Pump

1) The syringe pump should be programmable, user friendly, safe to use and should have battery backup and comprehensive alarm system.
2) Must Work on commonly available standard 5ml/10ml/20ml/50ml/60 ml Syringes with accuracy of minimum of +/-2% or better, with automatic syringe size recognition.
3) European CE or US-FDA approved product.
4) Flow rate programmable from 0.1 to 1000 ml/hr or more in steps of 0.1 ml/hr with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.
5) Bolus rate should be programmable to 40 to 1000 ml/hr or more with infused volume display and one key press bolus. Reminder audio after every 1 ml delivered.
6) Display of Drug directory of more than 50 drugs, customized and adjustable.
7) Key board locking system for patient safety.
8) Keep Vein Open (KVO) must be available at 0.1 ml or set rate
9) Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg./ atleast 3 selectable levels
10) 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.
11) Manual pusher with plunger protection guard.

12) Anti bolus system to reduce pressure on sudden release of occlusion.
13) 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 and Drive disengaged alarm.
14) Rechargeable Battery having at least 1 hours backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.
15) Mounting device/ Docking Station for at least four pumps as per requirement so as to enable to power up to 4 pumps with one power cord when mounted on IV pole –Twenty nos. for each AIIMS.
16) The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%
17) Power input to be 220-240VAC, 50Hz.
18) 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.
19) User Manual and service manual in English.
20) Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
21) List of important spare parts and accessories with their part number and costing.
22) Bidder has to give demonstration of the quoted model.

Item No. 55
Nerve Stimulator

1. Should be suitable to identify peripheral nerves and giving percutaneous stimulation in neuron muscular block.
2. Should have a percutaneous monopolar/ bipolar stimulating handle for localization of nerves without puncturing the nerve which should be autoclavable.
3. Should have selectable stimulation intensity ranging from 0 – 60Ma in steps 0.1mA and stimulation impulse width from 0.3ms, 0.5ms and 1.0ms
4. Should continuously measure & display actual current passing through the patient and selected current.
5. Should have pause function to interrupt stimulation without delivering impulses test function
6. Should automatically switch off with a acoustic warning if not in use .
7. Should have LCD display for stimulation current, impulse pattern, pulse width, impulse amplitude.
8. Should have digital display of selected current and actual current.
9. Should have membrane touch pads for choosing stimulation function
10. Should be small (pocket size) & light weight.
11. Machine should be USFDA/European CE certified
12. Should be supplied complete with
13. Adapter with extension cable
14. Percutaneous Bipolar Stimulating Handle
15. Switch Box for switching between invasive and percutaneous nerve stimulations
16. Plexus Cannula with Thin polymer insulation coating (Teflon coating not desirable) 22G, 24G, 25G – 10 nos. each
17. Rechargeable battery with charger
18. Bidder has to give demonstration of the quoted model.

Item No. 56
ICU ventilator

1. Should be touch screen.
2. Screen should be minimum of 12" inch or more and integrated.
3. Compressed air / oxygen driven.
4. 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 Pressure Regulated volume control mode and volume support mode.
    f. Airway Pressure Release ventilation
    g. Non-invasive ventilation.
5. Should have the facility for following settings:
    a. Tidal Volume: Minimum 5ml or less and maximum of 1500 ml or more in Volume control
    b. PEEP upto 30 cmH2O or more
    c. Pressure support upto 35 cmH2O
    d. Flow Pattern: Square, Decelerating
    e. Respiratory Rate upto 80 bpm or more
    f. Inspiratory Plaetau upto 60% of Insporatory time
    g. SIMV Rate upto 60 cycles/min
    h. FIO2: 21% - 100%
    i. Inspiratory and Expiratory flow and pressure Trigger Sensitivity
    j. Manual Cycle, Inspiratory Pause, Expiratory Pause .
6. Should be able to monitor and measure the following parameters
    a. Tidal Volume
    b. Plaetau
    c. Mean Airway Pressure
    d. Peak Airway Pressure
    e. Intrinsic PEEP
    f. RSBI (Rapid Shallow Breathing Index)
    g. Resistance and Compliance
7. In-line Nebuliser with capability of producing < 3 micron drug particle.
8. Should have the facility to find (Lower inflection point) and UIP (Upper Inflection Point)
9. Compiled trend analysis at least for 24 hours for all measured parameters.
10. Should have the facility to record multiple loops for comparison
11. Should have facility to measure:
    a. Pressure / Volume loops
    b. Flow/ volume loops
12. Should display minimum 2 curves/graphs /loops simultaneously on the screen
    a. Should have audio-visual alarms for the following parameters:
    b. Peak inspiratory pressure – High & Low
    c. FiO2 – high & low
    d. Respiratory rate – high & low
    e. Tidal volume – high & low
    f. Minute volume – high & low
    g. Apnea
    h. Gas supply failure
13. Should have the facility for ETCO2 measurement **(optional)**
14. Should have battery back up atleast for 1 hour.
15. Event log: 1000 Alarm History.
16. Demonstration is must

17. Spares should be available for 10 years.
18. Should be supplied with 2 nos Reusable Silicon adult the 1 no Pediatrics tubing's and imported humidifier and 2 nos ultrasonic nebulizers chambers
19. Should be European CE or US F.D.A. approved
20. Ventilator should have external compressor, from the same manufacturer **(Price to be quoted separately).**
21. Expiratory valve/cassette should be autoclavable and supply 2 nos with each unit.
22. Oxygen sensor should be paramagnetic/ultrasonic/Galvanic and covered under warranty & CMC and will be supplied free of cost during warranty and CMC period.
23. Should provide ET-tube leak compensation .
24. Compressor should be US-FDA or European CE approved.
25. Compressor, hinged arm and ventilator trolley should be from the same manufacturer.

Item No. 57
View Box

1. Specialty X- Ray Film LED based View Box for viewing CT/ MRI/ Diagnostic X-ray films with External Electrodes Fluorescent Lamp Technology.
2. Unit suitable for viewing 3 Films of size upto 14" x 17" in single Panel.
3. Light weight & Slim, giving uniform light output with adjustable light output.
4. Uniform light output of around 12000Lux
5. Panel thickness not more than 1"
6. Wall mounting.
7. Lamp Life time should be longer over 20,000 hours.
8. The unit is to operable on 220V
9. Should be CE/FDA/BIS/ISO certified
10. To be supplied with table stand from the manufacturer.

Item No. 58
Difficult Airway cart (CMC is not required for this item)

1. A portable high quality resuscitation cart:

a. Cart should be made up of steel with epoxy paint (30 micron thickness) which can withstand fumigation.
b. 4 big antistatic castors with brakes for easy mobility with a diameter of not less than 120mm.
c. Should have provisions to hang flexible fiberscope.
d. Open shelf for light source of bronchoscope.
e. All drawers should be lockable.
f. Number of drawers should be not less than four
g. Size of drawer should be big enough to accommodate airway equipment in height, weight & depth
h. Size of the cart should not be less than 1400 x 460 x 670 mm.
i. Should have rail –mounted mains electrical 4- way adapter.
j. Should be US FDA/CE/BIS certified.

2. Cart should be fully loaded with the following: (all these items should be European CE or US FDA certified, Manufacturer authorization is not required for these items)

a. The difficult airway management kit to include the following:
   i. Fibreoptic laryngoscope with all sizes of blades (neonate, pediatric, adult large and extra large) with cold light (Macintosh).
   ii. Laryngoscope to work on rechargeable battery.
b. Disposable supraglottic device – 2 sets of each of all sizes
   i. Classic LMA
   ii. ILMA
   iii. LMA proseal
   iv. I-Gel
c. Malleable, stillette for ET tube - 10 nos (all sizes)
d. Sialastic gumelastic intubating bougie - 10 nos
e. Macoy Laryngoscope & blades (all sizes)
f. Airways - Oral & Nasopharyngeal of all sizes - 4 sets
g. Light wand -01 no.
h. Jet ventilator -01 no.
i. Transtracheal Jet -01 no.
j. Percutaneous Tracheostomy set – 01 no
k. Cricothyrotomy – 01 no

3. Price of each item to be quoted separately with equipment name & should be of reputed brand. **Manufacturer authorization is required only for the Cart.**

Item No. 59
Pulse Oximeter

1 Description of Function

1.1 A pulse oximeter is a medical device that indirectly measures the amount of oxygen in a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photoplethysmograph

2 Operational Requirements

2.1 Suitable for all types of Patient range :Adult, pediatric, infant, and/or neonate (Masimo/Nelcore technology)

3 Technical Specifications

3.1 Display- LCD, Backlight illuminated
3.2 Parameters and waveform displayed- SpO2, pulse rate, system status, plethysmogram, menus for user settings
3.3 SPO2 range- 21- 100 %
3.4 Accuracy of SPO2- ±2% or less (70-100% adult pediatric non motion) ±3%(70-100%, neonate, nonmotion)
3.5 Audiovisual Alarms- High/low SpO2 and pulse rate, sensor off, sensor failure, low battery Alarm range
3.6 Alarm override facility
3.7 Cable length should be minimum 1 metre
3.8 Interface for data communication.
3.9 Integrated Printer/External Printer (Optional)
3.10 Battery back-up operating time **of atleast 2 hours.**

4 System Configuration Accessories, spares and consumables
4.1 System as specified-
4.2 SpO2:Adult, Pediatric & Neonate SpO2 sensor with cable- two nos each per monitor.

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

6 Power supply
6.1 Should work on 220-240V AC as well as rechargeable batteries. Mains adaptor to be supplied
6.2 Rechargeable battery operated system. Charger to be provided if integrated charger is not there

7 Standards, Safety and Training
7.1 Should be US FDA or European CE approved product
7.2 Manufacturer/Supplier should have ISO certification for quality standards.
7.3 Certificate of calibration from the factory should be provided with the supply.
7.4 Demonstration of the quoted model is must.

Item No. 60
Fibroscopic Bronchoscope –ADULT

1. Flexible Intubation Endoscope with CMOS chip on tip for digitally transferring the image to the screen. Intubation Endoscope to display Full Frame.The image can be displayed directly on a TFT monitor.
2. It should have a process to process CMOS video on screen and also to send signal to Video Bronchoscope to illuminate internal LED light for producing light to display surgical area.
3. Automatic/ manual white balance facility should be available on the monitor as well as on the scope
4. Documentation of Video & still images should be possible on data card or USB drive with JPEG and MPEG4 format which can be easily transferred to the computer/laptop.
5. Documented videos & still images should be easily recalled on the monitor
6. Screen should be rechargeable & runs on Lithium Ion Batteries (operating time- 1 hr or more)
7. It should be light weight , high resolution & potable flexible scope
8. Airway Guide (cum Bite block) for Oral intubation should be provided with the set (at least 10 airways)
9. TUBE HOLDER should be a part of standard accessory.
10. It should be supplied with mobile trolley wherever applicable.
11. The mobile trolley should have basket for keeping accessories.
12. The Video scope should be supplied with tray system for disinfection and storage.

13. Set should include- Suction Adaptors (Disposable), Cleaning brush & Leakage tester as standard accessories.
14. Suitable for following applications-
    a. Bronchoscopy
    b. Endotracheal Intubation (Gold standard for Difficult Airways)
    c. Foreign body removal
    d. Bronchial Lavage
    e. Inspection of the Airways
    f. Dilatation Tracheotomy

15. Technical details of Flexible Video Endoscope:
    a. Tip deflection UP (140-180) deg/DOWN: (120º-140º) or more.
    b. Angle of view 90º or more,
    c. Working Length: at least 60 cm or more,
    d. Total length: at least 86 cm or more,
    e. Working Channel diameter: at least 2.2 mm or more,
    f. Distal Tip Outer Diameter: 5.5 mm or less

15. Bidder has to give demonstration of the quoted model.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

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

3. Training:

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

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

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

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

Turnkey:

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

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

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

Section – VIII
Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

01 Name of the manufacturer
- a. full postal address
- b. full address of the premises
- c. telegraphic address
- d. telex number
- e. telephone number
- f. fax number

02 Plant and machinery details

03 Manufacturing process details

04 Monthly (single shift) production capacity of goods quoted for
- a. normal
- b. maximum

05 Total annual turn-over (value in Rupees)

06 Quality control arrangement details
- a. for incoming materials and bought-out components
- b. for process control
- c. for final product evaluation

07 Test certificate held
- a . type test
- b . BIS/ISO certification
- c . any other

08 Details of staff
- a. technical
- b skilled
- c unskilled

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

1. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorize their authorized agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.

2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, at least 33% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.

2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of the same manufacturer

Note:

1. The tenderer shall give an affidavit as under:

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

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

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

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

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

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

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

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

Section – X
TENDER FORM

Date_____

To

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

Ref. Your TE document No. _____dated _____

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

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

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

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

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

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

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

** To be paid in Indian Currency (Rs.)
Total Tender price in foreign currency: _____
In words: _____

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. The Tenderer will be fully responsible for the safe arrival of the goods at the named port of entry in good condition as per terms of CIP as per INCOTERMS, if applicable
4. Custom duty @ 11.64% and 2% C& F charges will be added to the CIP price to arrive at the DDP price for evaluation purpose.

Indian Agent:
Indian Agency Commission - ___% of FOB
Signature of Tenderer_____

Name_____
Business Address_____
Place: _____ **Signature of Tenderer_____**
Date: _____ **Seal of the Tenderer_____**

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

1	2	3	4					5	6
Schedule No.	**BRIEF DESCRIPTION OF GOODS**	**QUANTITY. (Nos.)**	**Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.**					**Total Annual Comprehensive Maintenance Contract Cost for Each Unit for 5 years (4a+4b+4c+4d+4e)**	**Annual Comprehensive Maintenance Contract Cost for 05 years (3 x 5)**
			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. **"Whether service tax on CMC is inclusive or extra ,if extra, indicate the present rate....."**.In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause GCC clause 21.1 (D).
6. The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name_____
Business Address_____
Signature of Tenderer_____
Seal of the Tenderer_____

Place: _____
Date: _____

D) PRICE SCHEDULE FOR TURNKEY

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

Note: -

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

Name_____

Business Address_____

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:-

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

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

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

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

SECTION – XIV

MANUFACTURER'S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

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

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

We further confirm that no supplier or firm or individual other than Messrs. _____ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.
We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

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

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

Yours faithfully,

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

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no_____ dated _____ to supply (description of goods and services) (herein after called "the contract").
AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;
AND WHEREAS we have agreed to give the supplier such a bank guarantee;
NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of. _____ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.
We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.
We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.
This guarantee shall be valid up to 66 (Sixty Six) months from the date of Notification of Award i.e. up to ---------- (indicate date)

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

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No_____ dated_____

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

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

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

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

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

Any other additional services (if applicable) and cost thereof: _____
Total value (in figure) _____ (In words) _____

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

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

_____

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____

Place: _____

CONTRACT FORM – B

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No._____ dated_____
Between

(Address of Head of Hospital (AIIMS)
And

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

_____

(Signature, name and address of Hospital (AIIMS) authorised official)
For and on behalf of_____

Received and accepted this contract

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

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

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

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

1) Contract No. & date :_____

2) Supplier's Name :_____

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

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

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

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

9) Seal of the Consignee :_____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No_____ **Date_____**

To
M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity: _____

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

(f) Name of the vessel/Transporters:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

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

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

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

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

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

(Signature)
(Name)
(Designation with stamp)

Explanatory notes for filling up the certificate:

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

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

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

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

SECTION – XIX
ANNEXURES

Annexure 1

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

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

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

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

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

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

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

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

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

For the purpose of ascertaining the availability of suitable Indian vessels and granting dispensation in the event of their non-availability, the Seller should give adequate notice about the readiness of each consignment from time to time at least six weeks in advance of the required position to M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) and also endorse a copy thereof to the Shipping Co-ordination Officer,

Ministry of Surface Transport, New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)
The seller should arrange shipment through the Government of India's Forwarding Agents M/s Schenker & Co. 2000 HAMBURG (Cable: SCHENKER CO., HAMBURG) or obtain certificate from them to the effect that shipment has been arranged in accordance with the instructions of the Ministry of Surface Transport, (TRANSCHART), New Delhi.

(d) SHIPMENT FROM POLAND & CZECHOSLOVAKIA

(i) IMPORTS FROM POLAND

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

(ii) IMPORTS FROM CZECHOSLOVAKIA

Goods under this contract would be signed by the National flag lines of the two parties and vessels of the third flag conference lines, in accordance with the Agreement Co-operation in shipping between India and Czechoslovakia signed on 3.11.1978 and ratified on 19.12.1979, as amended up-to-date.
Shipping arrangement should be made by the Sellers in consultation with Resident Representative of the Indian Shipping Lines in Gdynia, Co., Morska Agencja W. Gdyniul, Pulaskiego 8, P.O. Box 246, Gdynia (Poland) – Telex : MG PL. 054301, Tel.: 207621, to whom details regarding contract number, nature of cargo , quantity, port of lading, discharging, name of Government consignee, expected date of readiness of each consignment etc. should be furnish at least six weeks in advance of the required position, with a copy thereof endorsed to the Shipping Co-ordination Officer, Ministry of Surface Transport, (Chartering Wing), New Delhi, (Cable: TRANSCHART, NEW DELHI, Telex: VAHAN IN – 031 – 61157, 61158, 61159)

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

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

(f) SHIPMENT FROM JAPAN

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

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

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

(g) SHIPMENT FROM AUSTRALIA, ALGERIA, BULGARIA, ROMANIA, EGYPY

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

(h) SHIPMENT FROM PAKISTAN

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

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

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

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

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

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

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

If the Seller finds that the space in the vessels of these Lines is not available for any particular consignments, he should inform the Shipping Co-ordination Officer, Ministry of

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

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

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

2. BILLS OF LADING

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

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

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

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

(ii) F.O.R SHIPMENTS

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

SHIPPER: The F.O.R suppliers Concerned

CONSIGNEE: Supplier's Indian Agent on order

Note:

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

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

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

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
b.	Have you submitted copy of the order(s) and end user certificate?			
6.	Have you submitted manufacturer's authorization as per Section XIV?			
7.	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
8.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
9. a.	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
b.	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			
10.	Have you intimated the name 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?			
18	Have you enclosed the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER or Institute of National importance for the specific model quoted along with the price bid			

N.B.

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

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

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

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