NATIONAL TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF MEDICAL EQUIPMENT

FOR & ON BEHALF OF

Tomo Riba Institute of Health and Medical Sciences
Naharlagun
Arunachal Pradesh

On E-Tender Basis

HSCC/TRIHMS/Medical Equipment/2018/01 Dated 19/02/2018

BY

HSCC (INDIA) LTD

(A GOVERNMENT OF INDIA ENTERPRISE)
Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) – 201 301
PHONE: 0120-2540153
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URL: www.hsccltd.com

INDEX

SECTION- I

NOTICE INVITING TENDERS (NIT)

For NATIONAL TENDER ENQUIRY DOCUMENT

HSCC (INDIA) LTD

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

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TOMO RIBA INSTITUTE OF HEALTH AND MEDICAL SCIENCES (TRIHMS), GOVT. OF ARUNACHAL PREDESH, NAHARLAGUN, ARUNACHAL PRADESH – 791110.

Tender Enquiry No.: HSCC/TRIHMS/Medical Equipment/2018/1 Dated 19.02.2018

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

Director, Tomo Riba Institute of Health & Medical Sciences (TRIHMS), Naharlagun, Arunachal Pradesh through their Consultants HSCC (India) Ltd. invites **On-line bids** from eligible bidders, in single stage two bid system for supply, installation, testing, commissioning & handing-over of Medical Equipment for TRIHMS, Naharlagun, Arunachal Pradesh:

S. No.	Item	Departments	EMD (INR)
1	Central Cardiac Monitor (1no.) with Bedside Cardiac Monitors (5no.)	For ICCU	1,50,000/-
2	Central Cardiac Monitor (1no.) with Multipara Monitors (5no.)	For NICU/PICU	1,20,000/-
3	Central Monitor (1no.) with Multipara Monitors (5no.)	For SICU/RICU	1,20,000/-
4	Multipara Monitors (5no.)	For ICU	70,000/-
5	Defibrillators –9no.	3no. for ICCU + 2 no. Ped. for NICU/PICU + 2no. for RICU/SICU + 2no. for ICU = 9 no.	1,80,000/-
6	ICU Ventilators – 15 no.	5 no. for ICCU + 5 no. for RICU/SICU + 5 no. for ICU = 15 no.	7,50,000/-
7	Neonatal Ventilators – 5 no.	5 no. (Neonatal) for NICU/PICU	2,50,000/-
8	IV Fluid Warmer – 15 no.	5no. for ICCU + 5no. for RICU/SICU + 5no. for ICU = 15no.	21,000/-
9	Blood Gas Analyzer -4no.	1no. for ICCU + 1no. for NICU/PICU + 1 no. for RICU/SICU + 1no. for ICU = 4no.	2,40,000/-
10	Syringe Infusion Pump – 10no.	5no. for NICU/PICU + 5 no. for RICU/SICU = 10no.	14,000/-
11	Infusion Pump (10no.)	5no. for ICCU + 5 no. for ICU = 10no.	14,000/-

12	Transcutaneous Billirubinometer – 5no.	5no. for NICU/PICU	50,000/-
13	Radiant Warmer – 6no.	3no. (Infant) for NICU/PICU + 3no. (Neonatal) for NICU/PICU= 6no.	72,000/-
14	Aneasthesia Workstation	4no. for OT	2,64,000/-
15	High Definition Laparoscopic Full Set with all Accessories	2no. for OT	1,20,000/-
16	C-Arm with Image Intensifier	1no. for OT	1,00,000/-
17	Upper GI Endoscopy	1no. for OT	70,000/-
18	Electro Cautery Machine with Vessel Sealer	4no. for OT	2,00,000/-
19	OT Table Remote Operated	4no. for OT	2,00,000/-
20	Fiber-optic Video Laryngoscope (Adult & Ped.)	2no. for OT	60,000/-

The bidders are required to be registered at HSCC e-tender portal www.tenderwizard.com/HSCC. Please log on to www.tenderwizard.com/HSCC only for downloading bid document and for participation through **E-tendering basis.** For submission and other details please refer HSCC e-tender portal www.tenderwizard.com/HSCC. For submission of the bids, the bidders are required to have Digital Signature Certificate (DSC) from the authorized Certifying Authorities.

Complete set of Bid Documents has been made available at E-Tender portal www.tenderwizard.com/HSCC, www.hsccltd.com , CPPP Portal for downloading from **19.02.2018 to 13.03.2018**. Prospective bidders are advised to regularly scan through HSCC E-tender portal www.tenderwizard.com/HSCC, as corrigendum/modification/amendments, if any, will be notified on this portal only and no separate advertisement will be made for the same.

(2)**Tender Enquiry No.: HSCC/TRIHMS/Medical Equipment/2018/01 Dated 24.01.2018**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	**19.02.2018 to 13.03.2018** **10.00 hrs to 1400 hrs IST**
ii.	Place of sale of Tender Enquiry Documents	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector - 1, Noida (U.P.) 201301
iii.	Cost of the Tender Enquiry Document	INR 3, 000/-
iv.	Pre Tender Meeting Date & Time	**27.02.2018**, **11.00 hrs. IST**
v.	Pre Tender Meeting Venue	**HSCC, E-6A, Sector-1, Noida-201301, U.P.**
vi.	Closing date & time for receipt of Tender	**13.03.2018**, **1430 hrs IST**
vii.	Time and date of opening of Techno – Commercial tenders	**13.03.2018**, **1500 hrs IST**
viii.	Venue of Opening of Techno Commercial Tender	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)-201301

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

3. The prospective bidders who have not registered can register with E-procurement system of NIC by paying necessary registration charges. The bidders may prepare a banker cheque/Draft in favour of HSCC (India) Ltd. Office at Noida, payable at Noida/Delhi and deposit it. In order to submit the bids electronically bidders

are required to have type-II Digital Signature Certificate. Digital Signature can be obtained from any of the certifying agency.

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

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

(i) Tender Fee and EMD.
(ii) Affidavit as per Section XIX.
(iii) Performance statement along with required PO copies and its corresponding end user‟s satisfactory performance certificate as per section IX.
(iv) Technical compliance for the quoted goods vis-à-vis the Technical specifications and with all related brochures/catalogues in the tender enquiry, technical bid.

Part-II Online

(i) Tender Fee and EMD.
(ii) Power of Attorney.
(iii) Tender Form as per section X.
(iv) Manufacturers Authorization Form.
(v) Affidavit as per Section XIX.
(vi) Proforma A.
(vii) Performance statement along with required PO copies and its corresponding end user‟s satisfactory performance certificate as per section IX.
(viii) Technical compliance for the quoted goods vis-à-vis the Technical specifications.
(ix) Name, address and details of account with respect to bidder and/or beneficiary of L/C. Copy of PAN. Certificate of Incorporation/Declaration being a proprietary firm.
(x) Audited Annual report of last 3 completed financial years (Balance sheet and Profit & Loss Account). Certificate of Regn. Issued by Directorate of Industries/NSIC, if SSI unit.
(xi) Quality Control Requirements as per Section VIII.

Price Bid (Only online).

(i) Price Schedule.
(ii) CMC Price Schedule.
(iii) Turnkey Price Schedule.

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

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

6. Complete set of Bid Documents has been made available at E-Tender portal www.tenderwizard.com/HSCC, www.hsccltd.com for downloading. The cost the Tender Enquiry Document is **INR 3,000/ which is payable in the form of Cash/Demand Draft** drawn on a scheduled bank in India in favour of **HSCC (India) Ltd**. payable at Delhi/Noida.. Tenderer may download the tender enquiry documents from the website and submit its tender online after logging in to their user ID. The bidders are required to be registered at HSCC e-tender portal www.tenderwizard.com/HSCC. Please log on to www.tenderwizard.com/HSCC only for uploading its tender on-line for participation through **E-Tendering basis**. For submission and other details, please refer HSCC e-tender portal www.tenderwizard.com/HSCC.

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

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

9. Purchaser/HSCC reserves the right to annul the tendering process at any stage without assigning any reason thereof.

Director
TRIHMS, Naharlagun,
Arunachal Pradesh

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

(i) "Purchaser" means the organization purchasing goods and services as incorporated in the Tender Enquiry document, i.e. Director, Tomo Riba Institute of Health & Medical Science (TRIHMS), Naharlagun, Arunachal Pradesh.
(ii) "Tender" means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder.
(iii) "Tenderer" means Bidder/ the Individual or Firm submitting Bids / Quotation / Tender
(iii) "Supplier" means the individual or the firm supplying the goods and services as incorporated in the contract.
(iv) "Goods" means the instruments, machinery, equipment, medical equipment, etc. which the supplier is required to supply to the purchaser under the contract.
(v) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
(vi) "Earnest Money Deposit" (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.
(vii) "Contract" means the written agreement entered into between the purchaser and/or consignee and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc. therein.
(viii) "Performance Security" means monetary or financial guarantee to be furnished by the successful tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit.
(ix) "Consignee" means Director, Tomo Riba Institute of Health & Medical Science (TRIHMS), Naharlagun, Arunachal Pradesh/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) "GST" means Goods and Service Tax
(xvii) "CD" means Custom Duty
(xviii) "RR" means Railway Receipt
(xix) "BL" means Bill of Lading
(xx) "FOB" means Free on Board
(xxi) "FCA" means Free Carrier
(xxii) "FOR" means Free On Rail
(xxiii) "CIF" means Cost, Insurance and Freight
(xxiv) "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.
(xxv) "DDP" means Delivery Duty Paid named place of destination (consignee site)
(xxvi) "INCOTERMS" means International Commercial Terms as on the date of Tender Opening
(xxvii) "CMC" means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
(xxviii) "RT" means Re-Tender.

2. Introduction

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

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

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

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

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

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

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

9. Amendments to TE documents

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

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

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

10. Clarification of TE documents

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

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

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

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

(i) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
(ii) Tender Form as per Section X (without indicating any prices).
(iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
(iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form.
(v) Power of Attorney in favour of signatory of TE documents.
(vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
(vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate/Installation Reports.
(viii) Certificate of Incorporation in the country of origin.

B) Price Tender:

(1.) Prices are to be quoted in the attached Price Bid format online as per the directions on the official website.

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

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

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

11.2 A person signing (manually or digitally) the tender form or any documents forming part of the contract on 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.

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

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

13 Tender Prices

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

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

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

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

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

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

(b) GST or other taxes and any duties, which will be payable on the goods in India if the contract is awarded;

(c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;

(d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;

(e) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and

(f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

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

(a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;

(b) the price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List;

(c) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;

(d) the charges for Incidental Services, as in the List of Requirements and Price Schedule;

(e) the prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and

(f) the Total tender price of goods quoted CIP basis and delivery at consignee site basis in India as indicated in the List of Requirements, Price Schedule and Consignee List

(g) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 Additional information and instruction on Duties and Taxes:

13.5.1 If the Tenderer desires to ask for GST, 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 Tax:

If a tenderer asks for GST, Service Tax and Works Contract Tax to be paid extra, the rate and nature of GST applicable should be shown separately. The GST, 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 GST, Service Tax and Works Contract Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.

13.5.4 Octroi Duty and Local Duties & Taxes:

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

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

13.5.5 Customs Duty:

The Purchaser will reimburse the Customs duty wherever applicable. Supplier shall be responsible for customs clearances of the consignments and custom clearance charges will be borne by the supplier.

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

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

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

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

14. Indian Agent

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

(a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
(b) The details of the services to be rendered by the agent for the subject requirement.
(c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
(d) Copy of the agreement between Indian Agent & their principal detailing the scope of work/services during warranty & after sales periods.

15. Firm Price

15.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.

15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

16. Alternative Tenders

16.1 Alternative Tenders are not permitted.

16.2 However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.

17 Documents Establishing Tenderer's Eligibility and Qualifications

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

17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:

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

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

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

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

18.3 If a tenderer furnishes wrong and/or misguiding data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

19.1 Pursuant to GIT clauses 8.1 and 11.1 the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.

19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification" etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be)

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

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

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

19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from the **original last date** for submission of the tender/bid.

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

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

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

20. Tender Validity

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

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

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

21. Signing and Sealing of Tender

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

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

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

D. SUBMISSION OF TENDERS

22. Submission of Tenders

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

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

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

(a) Manufacturer‟s authorization in case bid is submitted by an Indian agent (a declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).

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

(iii) Price Bid (Only online).

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

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

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

24.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

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

27.2 Purchaser will determine the responsiveness of each Tender to the TE Document without recourse to extrinsic evidence.

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

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

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

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

(i) The bidder has submitted hard copy of financial bid only without online submission. (only online submission price bids are allowed).
(ii) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer"s Authorisation Form as per Section XIV.
(iii) 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.
(iv) Tenderer has not agreed to all the tender terms and conditions.

28. Minor Infirmity/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

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

29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of sub totals, the sub totals 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. Equipment-wise Evaluation

33.1 The tenders will be evaluated and compared separately for each equipment. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender.

34. Comparison of Tenders

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

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

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

(i) In the case of goods manufactured in India or goods of foreign origin already located in India, GST, Customs Duties, Service Tax, Works Contract Tax etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and

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

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

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

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

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

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

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

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

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	24
B	8 to 10	TE documents	No Change	24
C	11 to 21	Preparation of Tenders	No Change	24
D	22 to24	Submission of Tenders	No Change	24
E	25	Tender Opening	No Change	24
F	26 to 27	Scrutiny and Evaluation of Tenders	No Change	24
G	36 to 46	Award of Contract	No Change	24

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

Submission of Tenders

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

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

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

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

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

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

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

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

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

1.1 The General Conditions of Contract incorporated in this section shall be applicable for this purchase to the extent the same are not superseded by the Special Conditions of Contract prescribed under Section V, List of requirements under Section VI and Technical Specification under Section VII of this document.
All documents submitted physically or uploaded as scanned copies must be self-attested, legible and numbered.

2. Use of contract documents and information

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

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

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

3. Patent Rights

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

4. Country of Origin

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

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

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

5. Performance Security

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

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

"It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of

the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period".

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

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

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

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

6. Technical Specifications and Standards

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

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

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

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

7. Packing and Marking

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

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

7.3 Packing instructions:

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

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

8. Inspection, Testing and Quality Control

8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such pre-dispatch inspections, inspections and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).

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

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

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

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

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

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

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

8.9 Third Party Inspection to include only Physical & Relevant records Inspection of the Ordered Goods. However, Dispatch Clearance Certificate is issued without prejudice to the Purchaser's right to accept/reject the Ordered Goods after it's arrival at site/destination, if not found in accordance with the Purchase Order during the installation and testing at site and during the performance guarantee period. This dispatch clearance certificate will not absolve manufacturer from his responsibility to ensure that the Ordered Goods supplied are totally in accordance with the Purchase Order/Notification of Award.

8.10. The stores (both Indian & Import origin goods) should be dispatched only after the equipment inspected by recognized/reputed agency like SGS, Lloyd, TUV & Bureau Veritas prior to dispatch prior to dispatch at the supplier's cost and furnish necessary Certificate from the said agency in support of their claim.

To enable HSCC to issue Dispatch Clearance Certificate, supplier/manufacture is to furnish following documents:

(1.) Copy of supplier's invoice showing contract number, goods description, quantity, unit price & total amount.
(2.) Country of Origin Certificate
(3.) Quality & Quantity Certificate
(4.) Packing List with Complete contents.
(5.) Internal Factory Inspection Report
(6.) Warranty Certificate
(7.) Inspection certificate for the dispatched equipments issued by recognized/reputed agency like SGS, Lloyd, TUV & Bureau Veritas, prior to dispatch.

All Documents/Certificates/Reports as mentioned above shall be addressed as:
Director, Tomo Riba Institute of Health and Medical Sciences,
Naharlagun, Arunachal Pradesh
through HSCC (I) Ltd., Noida.

After scrutiny, if the documents found in order, **Dispatch Clearance Certificate** shall be issued to the supplier.

No goods (both Indians & Import origin goods) shall be dispatched before issue of Dispatch Clearance Certificate by HSCC.

9. Terms of Delivery

9.1 Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

10. Transportation of Goods

10.1 Instructions for transportation of imported goods offered from abroad:

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

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

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

11. Insurance:

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

(i) in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.

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

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

12. Spare parts

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

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

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

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

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

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

13. Incidental services

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

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

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

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

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

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

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

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

B) For goods imported from abroad

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

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

15. Warranty

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications*) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.

15.2 The **warranty** shall remain valid for **60 months** from the date of installation & commissioning followed by a **CMC for a period of 5 (Five) Years** for all the equipments after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser/CONSIGNEE in terms of the contract, unless specified otherwise in the SCC.

(a) No conditional warranty will be acceptable.

(b) Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following:-

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

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

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

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

15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended to a further period of sixty (60) months from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

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

15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 3 months commencing from the date of the installation for preventive maintenance of the goods

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

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

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

16. Assignment

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

17. Sub Contracts

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

18. Modification of contract

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

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

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

19. Prices

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

20. Taxes and Duties

20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until final acceptance of the contracted goods to the purchaser. However, for goods directly imported shall be guided by the INCOTERM.
20.2 Further instruction, if any, shall be as provided in the SCC.

21. Terms and Mode of Payment

21.1 Payment Terms

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

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

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

(a) On delivery:

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

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

(b) On Acceptance:

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

(B) Payment for Imported Goods:

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

(a) On Shipment:

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

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

(b) On Acceptance:

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

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

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

(C) Payment of Turnkey, if any:

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

(D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

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

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

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

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

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

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

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

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

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.

(b) Delay in supplies, if any, has been regularized.

(c) The contract price where it is subject to variation has been finalized.
(d) The supplier furnishes the following undertakings:

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

22. Delivery/Delay in the supplier's performance

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

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

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

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

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

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

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

22.6 Passing of Property:

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

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

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

23. Liquidated damages

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

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

23.2 In the event of delay in submission of Proforma Invoice beyond 7 working days from the date of notification of award, the delay shall be to the account of supplier & Purchaser shall deduct Liquidated damages, as per clause 23.1. Proforma Invoice should be strictly as per the terms & conditions mentioned in Notification of Award / Tender Conditions.

23.3 Proforma Invoice submitted by supplier is found to be deficient, because of which purchaser is unable to open the letter of credit, delay shall be to the account of supplier & purchaser shall deduct liquidated damages as per clause 23.1.

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

27. Termination for convenience

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

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

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

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

28. Governing language

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

29. Notices

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

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

30. Resolution of disputes

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

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

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

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

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

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

33. General/ Miscellaneous Clauses

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

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

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

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

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

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

any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.

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

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

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

i) In the case of goods manufactured in India or goods of foreign origin already located in India, GST, Customs Duties, Service Tax, Works Contract Tax etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and

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

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

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

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

SECTION - VI

LIST OF REQUIREMENTS

Part I

S. No.	Item	Departments	EMD (INR)
1	Central Cardiac Monitor (1no.) with Bedside Cardiac Monitors (5no.)	For ICCU	1,50,000/-
2	Central Cardiac Monitor (1no.) with Multipara Monitors (5no.)	For NICU/PICU	1,20,000/-
3	Central Monitor (1no.) with Multipara Monitors (5no.)	For SICU/RICU	1,20,000/-
4	Multipara Monitors (5no.)	For ICU	70,000/-
5	Defibrillators –9no.	3no. for ICCU + 2 no. Ped. for NICU/PICU + 2no. for RICU/SICU + 2no. for ICU = 9 no.	1,80,000/-
6	ICU Ventilators – 15 no.	5 no. for ICCU + 5 no. for RICU/SICU + 5 no. for ICU = 15 no.	7,50,000/-
7	Neonatal Ventilators – 5 no.	5 no. (Neonatal) for NICU/PICU	2,50,000/-
8	IV Fluid Warmer – 15 no.	5no. for ICCU + 5no. for RICU/SICU + 5no. for ICU = 15no.	21,000/-
9	Blood Gas Analyzer -4no.	1no. for ICCU + 1no. for NICU/PICU + 1 no. for RICU/SICU + 1no. for ICU = 4no.	2,40,000/-
10	Syringe Infusion Pump – 10no.	5no. for NICU/PICU + 5 no. for RICU/SICU = 10no.	14,000/-
11	Infusion Pump (10no.)	5no. for ICCU + 5 no. for ICU = 10no.	14,000/-
12	Transcutaneous Billirubinometer – 5no.	5no. for NICU/PICU	50,000/-
13	Radiant Warmer – 6no.	3no. (Infant) for NICU/PICU + 3no. (Neonatal) for NICU/PICU= 6no.	72,000/-
14	Aneasthesia Workstation	4no. for OT	2,64,000/-
15	High Definition Laparoscopic Full Set with all Accessories	2no. for OT	1,20,000/-
16	C-Arm with Image Intensifier	1no. for OT	1,00,000/-
17	Upper GI Endoscopy	1no. for OT	70,000/-
18	Electro Cautery Machine with Vessel Sealer	4no. for OT	2,00,000/-
19	OT Table Remote Operated	4no. for OT	2,00,000/-
20	Fiber-optic Video Laryngoscope (Adult & Ped.)	2no. for OT	60,000/-

Part II: Required Delivery Schedule:

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

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

(b) For Imported goods directly from foreign:

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

(c) Installation & commissioning within 15 days of receipt of goods at site except for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which installation & commissioning to be done within 45 days of receipt of goods at site.

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

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site – Specified in the List of Requirements

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

(b) For Imported goods directly from abroad:

The foreign tenderers are required to quote their rates on CIP Named Port of Destination Basis giving break up of the price as per the Proforma prescribed in the Price Schedule. Purchaser will place the order on Consignee site basis. The shipping arrangements shall be made by the supplier accordingly.

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

Consignee/destination details as mentioned in Section-XXI.

Turnkey Works:

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

For equipment, the major Turnkey work to be carried out are given at the end of Technical Specification. The Tenderer to quote prices indicating break-up of prices of the Machine and Turnkey Job of Hospital/Institution/Medical College. The Turnkey costs to be quoted in Indian Rupee will be added for Ranking Purpose. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will

be taken inclusive of such duties and taxes and no claim for the same will be entertained later. The Turnkey Work should completely comply with AERB requirement, if any.

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

For X-Ray and related equipment, bidders who have Type Approval/NOC of AERB/BARC shall only be considered with documentary evidence. It shall be bidder's responsibility to get the equipment installed and commissioned as per AERB / BARC guidelines and installed and commission on "Turn Key basis".

Bidders must take into consideration in its bid the costs to be incurred for any additional work viz. Electrical cabling, plugs of suitable ratings from the source, Electrical points of suitable ratings, water connection, water drainage, plumbing, air-conditioning, Radiation protection/shielding, mechanical & allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the quoted "All inclusive lump sum price" should include all such costs.

Following details of Various Makes for Executing Turnkey Activities for Installation, Testing & Commissioning Medical Equipment viz. CT Scan, MRI, DSA, Digital Radiography, Digital Radiofluoroscopy, Cath Lab., PET/CT, Gamma Camera, Heamodialysis Machines, RO Plant, any Lab. Equipment or any other Medical Equipment requiring such activities at Hospital Project:

LIST OF APPROVED MAKES : CIVIL WORKS

S.No	Material	MANUFACTURERS
1	Doors & Windows fixtures/ Fittings	*Dorma, Godrej, Ozone, Austavision*
2	Door Closer / Floor spring	*Ozone, hettich, Dorma, Godrej,*
3	Aluminium Sections.	Hindalco, Jindal, *BALCO, Alom*
4	Clear Glass/ Clear Float Glass/ Toughened Glass	Saint Gobain(SG), Modi, *Asahi, Glaverbel*
5	Laminates	Formica, Decolam, Century, Marino, Green*lam*
6	Synthetic Enamel Paints	Berger, Asian, ICI , Nerolac, Shalimar
7	Oil Bound Distemper	Berger, Asian, *ICI* , Nerolac, Shalimar
8	Cement Paint	Snowcem plus, Berger, Nerolac, *Asian, ICI*
9	Plastic Emulsion Paint	*Berger,* Asian, ICI , Nerolac, Shalimar
10	Other Paints/Primers	Berger, Asian, ICI , Nerolac, Shalimar
11	MS Pipe/ Sections	Jindal Hisar, Prakash-Surya, BST, Kalinga, Tata
12	Polycarbonate Sheets	GE, *Macrolux, Plastic,Vergola,Skyarch,Polytechno*
14	Wooden Fire Check Doors	Navair, Pacific Fire Control, Kutty Promat, Sukri
15	Metal Fire Check Doors	Navair, Shakti- Met, Godrej, Sukri, Pacific Fire Control
16	Ceramic Tiles	Johnson, Somany, Kajaria, Nitco, *Bell, Hindustan,*
17	Pre-Laminated Particle Board	Novopan, Greenlam, Kitlam, Marino, *Century, Archid ply*
18	Flush Door Shutters	Century, Kitply, Green Ply, *Duro*
19	Glazed Tiles	Bell, Somany, Johnson, Kajaria, *Nitco*
20	PVC Water Stops	*Prince*/Supreme/*Finolex//BASF*
21	White Cement	Birla White, J.K., *Grasim*
22	Dash Fasteners./Anchor bolts	Hilti, Fischer, Bosch,
23	Stainless Steel Bolts, Washers and nuts	Kundan , Puja , Atul
24	6mm thick Reflective Glass	Glaverbel, Glavermas, Saint Gobain, *Asahi*
25	Door Locks	ACME, Godrej, *Dorma*

26	Door Seal – Woolpile Weather Strip*/ Acoustic seal*	Anand -Reddiplex, *Enviroseal, Viper*
27	Aluminium Grill	Hindalco, Jindal
28	Vitrified Tiles	Naveen, Bell, Kajaria, Somani, *Nitco, Johnson, Euro*
29	Aluminium Cladding sheets	Alstrong , Alpolic, Alucobond, Alstone International, Aludecor Lamination
30	Stainless steel D-handles	D-line, Giesse, Dorma,Dorset, ozone
31	Stainless Steel Pipes/Flats	304 Grade (as approved by Engineer)
32	Structural Steel	TATA, SAIL, RINL, JINDAL
33	Epoxy Flooring/ wall coating	Fosrock, Beck, Famaflor, *Araldite, STP, Sika, BASF*
34	Ply board	Greenply, Kitply, Century, Archid, Marino, *Duro*
35	PVC Flooring	LG, Tarkett, Responsive , *Armstrong, Gerflor*
36	SS Railing	*Ozone, D-Line, Jindal,*
37	Fire rated door closer/Mortice Lock/ Door Co-ordinator	Dorma, Becker F.S. Australian or approved equivalent
38	Gyspum Board System	Gyproc (Saint Gobain),Lafarge, Boral, *Hilux,,Aerolite*
39	Adhesive for Door Work	*Fevicol/ Vamicol/ Dunlop/ Piditite/ Sika/ Thermoshield*
40	Epoxy Paint	*Nerolac/ Shalimar/ cico/ Fairmate/ sika/ BASF/ Berger/ Asian/ Pidilite*
41	Polysulphide sealant	Pidilite/ Fosroc/ Choksey/chematal rai/ cico/ sika, MC Bouchemie, BASF, STP
42	Glass Doors (Motorised)	*DORMA/ Hafle/ Ozone*
43	Calcium silicate boards	*Hilux/ Aerolite, Armstrong*
44	Calcium Silicate Tiles	*Hilux/ Aerolite, Armstrong*
45	Texture Paints	*Spectrum/Heritages/ICI Dulux/Asian*
46	Wall care putti	*J.K. White/Birla/Gyproc wall putty*
47	Frameless glass partition fixtures	*Dorma/Hafle/Ozone*
48	U-PVC Windows	*Fenesta, Window Magic, Aluplast*
49	Toilet Cubicles	*Greenlam, Marino or approved equivalent*
Note:	If the makes given in the list are not available, other equivalent makes can be considered subject to approval by the Purchaser/HSCC based on credentials of the company and test certificates of the product, subject to price adjustment. Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of Purchaser/HSCC.	

LIST OF APPROVED MAKES: PLUMBING WORKS

Sl.No	Material	Relevant IS Code	MANUFACTURERS
1	Vitreous China Sanitary ware	2556	Kohler, Roca, American Standard, Toto
2	White Glazed Fire Clay Sink	771	Sanfire, Cera, Neycer, Hindware.
3	Stainless Steel Sink		Jayna, *Neelkanth*, Commander, Nirali
4	Plastic seat cover of W.C	2548	Kohler, Roca, American Standard, Toto
5	Geyser		Racold, Venus, Voltas, Usha Lexus, Jaguar, Havells
6	C.P. Fittings Mixer/Pillar taps Washers, C.P. brass accessories ,CP Angle Valve,Bibcocks,CP waste	1795/4291/4827	Kohler, Roca, American Standard, Toto
7	Centrifugally /Sand cast iron pipes & fittings	3989/1729	Neco, Hepco, *SKF*
8	G.I. Pipes	1239 Part I	Jindal-Hissar, Tata, Prakash-Surya
9	G.I. Fittings	1239 Part I	Unik, K.S., Zoloto, R
10	Stoneware pipes & Gully Traps	651	IS Marked pipes
11	Mirror		Atul, Modi guard, *Asahi*,*Saint Gobain*
12	Hand drier		Kopal, Automat, Euronics,*Utech*
14	Insulation of Hot water pipes		Vidoflex insulation, Superlon, *Thermaflex, Kaiflexkaimenn*
15	D.I pipes		Jindal, Tata, Electrosteel.,*Kesoram*
16	PVC/UPVC pipes & fittings		FInolex , Prince,
17	Infrared Sensor operated Faucets/Urinals		Kohler, Roca, American Standard, Toto
18	Gratings, Strainers, Cleanouts etc		Neer Brand (Sage Metals),*ACO*
19	Decorative bath room fittings		Jaquar (Florentine range), Aquabaths, Kohler
20	HDPE pipes and fittings		Oriplast, So-Soon, Finolex, Gebreti, Nosil,
21	CPVC pipe,fittings and Solvent		Flowguard, Astral, Prince,
22	Copper Pipe		Raj Co., Maxflow, *Mehta Tubes*
23	Copper Fittings		Viega, IBP,*Yorkshire, Mehta Tubes, Rajco*
24	Lab drainage		Viega, Duraline, Rex
25	Lab Fittings		Vijay, Viega
26	SS pipe(EN-10312) & press type fitting		Viega, Jindal
27	Oxilyte (Mixed oxident)		Oxybee Solutions, I2M Technologies, Faith Innovations

Note:Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of Purchaser/HSCC.

LIST OF APPROVED MAKES : FIRE FIGHTING WORKS

Sl.No	Material	Relevant ISI Code	MANUFACTURERS
1	G.I./M.S. Heavy class pipe	1239/3589	Jindal-Hissar, Tata, Prakash -Surya,
2	Portable Fire Extinguisher	2171	Minimax, *Safex*, Ceasefire, Newage,
3	Sprinkler Heads		
4	Pendent type		Tyco, *Viking,HD,Grinnel*
5	Side wall type		Tyco, *Viking,HD,Grinnel*
6	Sprinkler Side wall extended through		Tyco, *Viking*,HD,*Grinnel*
7	Standby battery lead acid		Exide, Standard, Amco
8	Cables		As per Electrical Works
9	G.I. Fittings	1239 Part I	Unik, K.S., Zoloto,*R*
10	DI pipes		Jindal,TATA,Electrosteel,Kesoram
11	Pipe coat material (Pipe protection)		*Pypkote Integrated water proofing co. Madras/ coaltek Rustech products (P) Ltd. Syndcate Enclave, Dabri/Makphall*
12	Fire Man's Axe		*Safeguard/safex/Newage/Gunnebo*

Note:Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of Purchaser/HSCC.

LIST OF APPROVED MAKES FOR ELCTRICAL SYSTEM

Contractor shall use the materials of approved make as indicated below unless specified in BOQ or as approved by the HSCC electrical incharge. The contractor shall ensure the correct selection of the approved make meeting the specifications and application duties. Before placing order for procurement, the sample of approved make shall be got verified for its suitability to the specification and application duty. However, HSCC electrical engineer (approving authority) reserves the right to opt for the best preferred listed make. The contractor shall quote the rate for the material and equipment as per the list of approved makes and equipment as per the list of approved makes. In the event of the contractor wants to use alternate makes other than those stipulated for any reason , the contractor can send a proposal after ensuring that what he proposes at the least meets both the quality and safety standard of the stipulated makes, and the financial benefit that will accur to the client. He shall also stand full guarantee to his alternate proposal. The alternate makes can be used only after an approval accorded by the client/HSCC., whose decision will be final in this matter. Any financial implication incurred related with inspection will be borne by contractor.

S. No.	Item Description	Make list
(1)	Timers in Distribution board	Legrand/ Hagar/ Siemens/ ABB/ GE
(2)	MCB distribution Boards	L &T /Hager/ MDS/Legrand/ Siemens, ABB/GE/ Schenieder (MG)

(3)	MCB	L &T /Hager/ MDS/Legrand/ Siemens, ABB/GE/ Schenieder (MG)
(4)	Rewirable porcelain wire	CPL, KEW
(5)	Data and Voice wire	Finolex,Delton,Skyton,Anchor,L&T,AT&T, Avaya
(6)	RCCB	L & T Hager/ Legrand/ Siemens , GE/Schenider (Merlin –Gerin)
(7)	ELCB/ELMCB	Merlin Gerin-multi 9, Legrand, Hager, Siemens
(8)	11 KV LT XLPE cables	RPG/ Polycab/ NICCO/ UNIVERSAL/Rallison/KEI/Skytone/ Havells
(9)	Copper Control cable	Finolex/ Polycab/ NICCO/ Universal/ National/ Rallision/RR Cable
(10)	Cable Joints (Heat Shrinkable)	Raychem/3M/Cabseal
(11)	Cable Trays	Steelways/ Bharti/ Unitech /Maheshwari/or approved by HSCC
(12)	Galvanized/PVC Raceways and raceways accessories	Steelways/ Bharti/ Schneider(MG)/Legrand
(13)	Light fitting	Philips/ GE/ Crompton Greaves
(14)	fancy LIGHT FITTING	Anchor(Panasonic)/ Twinkle/Decon/Ankur
(15)	Lamps	Philips/ Osram/ GE/Anchor (Panasonic)/Perlite
(16)	GI / MS conduit ISI marked	BEC/ AKG/ Steel Kraft
(17)	PVC conduit	BEC/ AKG
(18)	Steel conduit accessories (ISI as approved sample)	Sharma sales corporation, super sales corporation or equivalent.
(19)	Modular Metal box for switch /socket	Havells/ MK/MDS/Anchor Roma/Northwest
(20)	Copper conductor FRLS PVC insulated wires ISI marked	National/ Finolex / R R cable/Rallison/Skytone/lap/Bonton
(21)	Modular Switches & sockets Outlets	Havell's (Crabtree)/ MK-Wraparound/Hagger/Wipro Legrand (Myrius/ Anchor-Roma(Tersa,woods,viola)/ Northwest
(22)	Metal clad Socket outlets With boxes	L & T Hager/ Siemens/ Merlin Gerin/ ABB MDS / BCH /Havells

(23)	UPS system	PCI LTD/ Siemens/ Etone powerware/Emerson/APC (Schneider)
(24)	Electronic Ballast	Philips/ Wipro/Osram / Bajaj
(25)	Ceiling fans	Crompton Greaves/ Bajaj/ Orient/ Alastom/ Usha
(26)	Main PC with CPU monitor	HP/ Compaq/Del
(27)	PVC Tape	Steel Grip
(28)	Batton Holder,Angle holder, Ceiling Rose	Anchor
(29)	Exhaust Fan with Gravity Louvers	Usha Lexus/Orient/ Crompton/Industriel-Almonard/ GEC
(30)	TV Cable- Co axial	Finolex, airtech, bhansali
(31)	Chemical Earthing	Ashlok, Erico, Pioneer, Nimbus,JK Earthing
(32)	LCD/LED Monitor	Sony, Panasonic, Samsung

LIST OF APPROVED MAKES AND MANUFACTURERS

The subcontractors/makes/brands of equipment listed below are approved for installation.

All items to be used in the works samples, catalogues and specifications are to be submitted by the contractor for approval of the Purchaser/HSCC. Only approved makes shall be used in the works. The approved samples shall be kept in the custody of the Purchaser/HSCC for comparison.

S.No	Material/Item	Approved Makes
1	Precision AC units	Emerson/Blue box/Stulz/Hiross
2	Window/split AC	Carrier /Hitachi/Voltas/Bluestar/Daikin/Ogeneral
3	VRV/VRF	Carrier /Hitachi/Daikin/Ogeneral
	Ducting & Grilles	
4	Factory fabricated duct	Zeco/ Ductofab/Rolastar/Technofab
5	G.I. Sheet Metal Duct	Jindal /National/ Tata/Sail
6	Spiral duct	Atco/Seven Star
7	Grilles/Diffusers/Volume Controller	Ravistar/Caryaire/ Mapro/Dynacraft/Airmaster
8	Fire Dampers UL listed	Caryaire/Dynacraft / Ravistar/Ruskin
9	Sound Attenuator	Caryaire/Dynacraft/Ravistar/Trox
10	G.I. Sheets	TATA/SAIL/Jindal/Bhushan Steel
11	Aluminium Sheets	Balco/Nalco/Hindalco

12	Stick Pins	Prima Seal/Air flow
	Pipes	
13	G.I.	ITC/ Jindal Hissar/Tata/SAIL/HSL
14	M.S. upto 150 mm	ITC/ Jindal Hissar/Tata/SAIL/HSL
15	M.S. 200 mm and above dia factory rolled	ITC/ Jindal Hissar/Tata/SAIL/HSL
	Valves	
16	Butterfly Valves	Advance/Audco
17	Motorised butterfly valve(actuator)	Belimo/Honeywell/Invensys/siemens
18	Non Return Valve	Advance/Kirloskar/Audco
19	Balancing Valves	Advance/Audco/Danfoss/Honeywell
20	Gate/Globe Valves	Leader/Divine/Sant/Bankim Sarkar /Zoloto
21	GM valve upto 40mm	Leader/Divine/Sant/Bankim Sarkar /Zoloto
22	Ball Valve with Y strainer	Rapid Control/Sant/Leader/Zoloto
23	Pressure independent Balancing valve	Danfoss/Flowcon/TA
	Accessories	
24	Y-strainer	Emerald/Sant/Rapid cool
25	Pressure Gauge	Fiebig/Emerald/H Guru/Japsin
26	Thermometer	Fiebig/Emerald/H Guru/Japsin
27	Flow Switch	Rapid Control/Anergy
28	Automatic Air Vent	Rapid Control/Anergy
29	Suction Guide	Anergy/ Rapid Control/Flowcon
30	Filters(pre,fine Hepa)	Thermadyne/Spectrum/Kirloskar /Anfilco/Johnflower/Dynafilter
	Insulation	
31	Expanded Polystyrene	Beardsell Ltd./ BASF/Styrene Packing/ Indian Packaging Industries/ Lloyd
32	Glass Wool	FGP Ltd./UP Twiga/Kimmco / Owens Corning
33	Polyurethene Foam	Malanpur /Superurethane
34	Crossed linked Polyethylene Foam	Trocellene / Aeroflex/Armacell/
35	Closed Cell Elastomeric Insulation	K-flex /Vedoflex/Armacell
36	Non woven fibre material	Mikron/ Du pont
37	Mineral wool	Rockwool India Pvt Ltd,
38	Pre-moulded PUF section for pipe & pipe supports	Malanpur/ Lloyd
39	Fibreglass rigid Board/Pipe section	FGP Ltd./UP Twiga/Kimmco / Owens Corning
40	Aluminium Tape	Johnson/Birla 3M/Garware

41	Thermostats	Honeywell/Johnson controls/Belimo/Danfoss/Siemens/Oventrop
42	Humidistat	Honeywell/Johnson control/ Belimo/Danfoss
	Miscellaneous	
43	V Belt	Dunlop/Fenner
44	Anchor fastners	Fischer/Hilti
45	Dash fastner	Fischer/Hilti
46	Welding rods	Advani/L&T
47	Wire Rope duct supporting arrangement	Gripple
48	Flexible pipe connection	Dunlop/Kanwal/resistoflex
49	Hessian Cloth (fire rated)	Navair/Pyrogaurd
50	Vibration isolator	Resistoflex, Dunlup, Kanwal
51	Copper Refrigerant Piping	Diamond/Star/Rajco

It is the vendors/suppliers responsibility to do the needful for installation, testing and commissioning of Medical Equipment as per terms and conditions of the Bid Document including Turnkey Works.

Section – VII
Technical Specifications

1. Central Cardiac Monitor with Bed Side Cardiac Monitors

1. Central Station

1.1. Central station for bedside monitors with independently controlled. 21" multi-color TFT Monitor Medical Grade, complete with Ethernet LAN cabling, alarm management, full disclosure of all the waveforms for 72 hours trending, bed to bed viewing of waveforms and remote alarm management like silencing of alarms etc. Central station should be valid USFDA approved with certification.

1.2 Central Station to have capability to display at least 16 beds Equipment Specifications for Complete Monitoring System.

2. Description of Function

2.1 Critical patients need to be monitored continuously in ICU and bedside with central monitors.

3. Operational Requirements

3.1 ICU should comprise of modular monitors at the bedside and with central station.
3.2 Capability of storage of patient data.
3.3 Demonstration of the equipment is a must.
3.4. Technical Specifications.
3.5 Multi colored TFT/LCD display of sizes as specified.
3.6 Eight digital and waveforms/traces display.
3.7 Combination of single, dual and multi parameter modules.
3.8 Parameter modules freely exchangeable between all the monitors.
3.9 Multi-channel ST segment analysis.
3.10 Facility to monitor and display ECG, Respiration, NIBP, SPO2(Masimo technology), Temp. 2 channel.
3.11 Monitor should have 12-lead ECG Monitoring capability simultaneously.
3.12 Automatic arrhythmia detection & alarm for standard and lethal arrhythmia.
3.13 EtCO2 – Side stream/main stream. Display both inspired and expired values, showing capnography.
3.14 Should provide hemodynamic, oxygenation, Ventilation calculation package.
3.15 Should have drug calculation package.
3.16 Trend of at least 72 hours for 19”& 21 Monitors, 24 hours trending for 15”monitor.
3.17 Monitors should be HL7 compatible.
3.18 Minimum 50 nos. event recall/snapshot facility automatically triggered by alarm.
3.19 EEG, BIS, NMT,3 additional IBP's- modules to be offered as per the nos. specified which help clinicians in guiding fluid management.
3.20.Web browsing facility to review each network monitors data through hospital LAN via office PC in Hospital LAN Network and / or through dial up facility from remote location.
3.21. The monitors should have monitor-to monitor overview facility.
3.22. System should be complete with Computer System, UPS with 1 hour back-up & Laser Printer for each Central station.
3.23. The system offered should not be PC based.
3.24 System including Modules should be valid USFDA approved with certification.
No. of Central Stations with 60 displays & facility to support dual screen (Minimum 21" - 3 nos.)
No.of Monitors (Minimum 19" - 20 nos.)
3.25 List of additional Modules to be provided in 19" Monitors
Three IBP (in each of 20 nos. Monitors)
Cardiac output (in each of 20 nos. Monitors)
End tidal CO2 (in each of 20 nos. Monitors)
NMT (in each of 20 nos. Monitors)
EEG (in each of 20 nos. Monitors)
BIS (in each of 20 nos. Monitors)
All the above modules should be campatible with 19” Monitors.

3.26 Accessories

ECG Module (3 lead ECG cable- 2 sets per monitor, 5 lead ECG cable-1 set per monitor)
SpO2 Probe complete set (2 for Adult, 1 for Pediatric, 1 for neonatal).
NIBP cuff complete set (3 per monitor for adult, 2 for pediatric, 1 for neonatal).
End tidal CO2 (Adult & Ped. kit 01 per Monitor & Disposables sample lines– 50 tubing per monitor).
IBP Reusable Interface Cable (3 per monitor) Disposable pressure transducer kit (10 per monitor).
Two Temperature (Rectal/ esophageal & skin probes per monitor).
Recorder paper rolls (10 per module).

BIS Sensors - 20no. For each module.
Accessories for Cardiac Output: One set for each monitor.
NMT Monitoring Set.
EEG Monitoring set for each monitor.

4.0 General Specifications.

4.01 Comparative compliance statement to be provided, mentioning page and para in the catalogue.
4.02 Undertaking that Local after sales Service will be provided round the clock.
4.03 Undertaking from Principal that after sales service, spares & accessories will be provided for minimum 10 years after installation.
4.04 Warranty for minimum five years and CMC as per rules.
4.05 All installation and cabling to be done on turn key basis and cost to be borne by the bidder.
4.06 Bidder to inspect the site of installation before quoting, to confirm the site of wall mounts and length of cables to be installed.
4.07. Service and user manual in English.

5. Environmental factors: No interference with use of electrocautry

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 - 50deg C and relative humidity of 15-90%.
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40 deg C and relative humidity of 15-90%.
Shall meet valid IEC-60601-1-2: 2001general Requirements of Safety for Electromagnetic Compatibility.

6. Power Supply.

6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug.
6.2 Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring equipment.

2. Central Cardiac Monitor with Multipara Monitors

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4.07. Service and user manual in English.

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3. Central Monitor with Multipara Monitors

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EEG (in each of 20 nos. Monitors)
BIS (in each of 20 nos. Monitors)
All the above modules should be campatible with 19” Monitors.

3.26 Accessories

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4.07. Service and user manual in English.

5. Environmental factors: No interference with use of electrocautry

5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 - 50deg C and relative humidity of 15-90%.
5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40 deg C and relative humidity of 15-90%.
Shall meet valid IEC-60601-1-2: 2001general Requirements of Safety for Electromagnetic Compatibility.

6. Power Supply.

6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug.
6.2 Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring equipment.

4. Multipara Monitors

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

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

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

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

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

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

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

7 Standards, Safety and Training
7.1 Should be USFDA approved product
7.2 Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring

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

5. Defibrillators

1. Defibrillator should use low energy biphasic waveform for delivering shock energy & must have energy.
2. selection from 1-200J as per AHA 2010 guidelines in AED as well as manual mode.
3. Should have facility to do ECG monitoring, transcutaneous pacing, defibrillation, synchronized cardio version with CPR feedback to measure chest compression rate & depth in real time & should also provide visual & audible feedback.
4. Must be capable of monitoring ECG through ECG cables, multiple function electrodes/pads & external paddles.
5. Unit should have adult & in-built paediatric external paddles & should be able to defibrillate both adult & peadiatric patients.
6. Facility for increase/decrease energy selection on paddles as well as on the unit. Should have ECG printout facility.
7. Machine should be compact & portable with in built rechargeable battery for atleast 3 hr. Of continuous.
8. ECG monitoring & should be weighing less than 10 kg. with battery & paddles.
9. Defibrillator should have facility to upgrade for Spo2, NIBP & EtCO2 monitoring parameters. Should have facility for external non-invasive pacing.
10. Should have user selectable alarm settings. Should work on mains as well as rechargerable battery. Should be supplied with following acc.:

10.1. Battery: 1no.
10.2. 3/5 Lead ECG cable – 2no.
10.3 External defibrillator paddles (ped & adult)- Each 1 no.
10.4 Multi-function defibrillator & monitoring pads/gel sheets – 250nos.
10.5 Reusable CPR feedback sensor/or similar product – 5 nos. per monitor.

11. Should be USFDA approved product.

6. ICU Ventilators

Universal Advanced ICU Ventilator Specification

1. State of the are ventilator for use in intensive care , critical care intermediate care and emergency care

2. Device must be driven by a high performance built in turbine or an intergrated compressor of the same make as that of ventilator & to be shipped with ventilator the ventilator should switch over to wall air supply automatically in case of a problem & vise versa in case of integrated compressor.

3. Air source should be supplied along with ventilator the compressed air source compressor should be from the same manufacturer price should be separately quoted.

4. Must have US FDA & IEC 610101-3rd edition certification from a reputated EU agency.
5. Life supporting ventilation of adult pediatric infant neonate patient.
6. Should be able to operate on dual limb circuits (only on single –limb circuits not acceptable) should be silicon.
7. Invasive and Non invasive (NIV) Ventilation with automatic leak compensation in NIV
8. Mandatory & spontaneous flow ≥ 180 l/min or more
9. In built Li Ion battery backup o minimum 4 hours.
10. Colour touch screen fifteen inch or more.
11. USB & RS 232 Connections.
12. In built Aeroneb Nebulizer System.
13. Ethernet for connection to hospital network.
14. Automatic barometric compensation.
15. Complete automatic self check upon startup.
16. Animated lung and ventilation summery would be preferred.
17. **Ventilator Modes.**
18. Pressure Controlled /assisted /SIMV Ventilation.
19. Volume controlled /assisted/ SIMV Ventilation.
20. CPAP/PEEP
21. PRVC or VTPC or similar. VS in PSV Mode
22. BPRV /Bivent /Bi-level or similar mode
23. APRV
24. Synchrony tools: Auto Rise time, Auto Exp. Threshold.
25. Advanced intelligent ventilation mode such as ASV intelligent or samrtcare with PPS or PAV + OR NAVA or similar for intelligent ventilation and weaning .
26. Non Invasive Ventilation with automatic leakage compensation ≥100 L/min Auto mode spontaneous breathing trial.
27. Facility of monitoring pleural pressure esophageal pressure diaphragmatic activity desirable and process be quoted separately.
28. Inspiratory and expiratory hold.
29. O2 flush customizable from 50 % to 100% O2 for 2 min.
30. ATC automatic tube compensation (fully configurable tube type, diameter compensation level % compensation phase.
31. Open lung tool like PV tool with facility to trace lower & upper inflection point.

32. In built upgradability to ETCO2 with main stream technology, price to be quoted separately.
33. In built upgradability to SPO2 monitoring, price to be quoted separately.

34. Control Setting

35. Quick set up for automatically initial setting according to selected patient type & height based ideal body weight.
36. FIO2

TIDAL Volume

37. PC

PS

38. PEEP
39. Respiratory rate Insp. Time
40. Flow trigger sensitivity 0.1 ……20L/Min
41. Pressure Trigger Sensitivity 0.1 ……..15 mbar
42. Inspiratory pause
43. Insp. hold & exp hold.
44. Vol control flow waveform –Square Decelerating & 50 % decelerating

Patient Monitoring

45. User interface should be fully configurable by the user (doctor, nurse)

46. Simultaneous display of up to 8 curves or loops.

47. Curves

Flow

Volume

Co2

Pulse

48. Loops

Volume/flow

Pressure /flow

Reference loop & loop overlap, freeze facility with curser**.**

49. Screen allows free configuration of curves and monitoring parameters

50. Patient proximal flow measurement for neonate infant categories preferred with reusable flow sensor.

51. Exhalation monitoring: Tidal volume, minute volume, for Mand & Spont Breaths.

52. Time Monitoring : Rate, insp, time , exp, time ,I:E,

53. Pressure monitoring : Peak, plateau, mean PEEP

54. Lung Mechanics: Compliance(static and dynamic) , Resistance(insp,and exp) Lung over-distention Parameter

55. NIV and spontaneous monitoring : % spontaneous breaths spontaneous inspiration time spontaneous exp. Volume , RSBI

56. Maneuver –related monitoring : AUTO PEEP ,PO.1 NIF, negative inspiratory force PEEP I volume

57. Capnography Volumetric etco2 mainstream / sidesteam, same sensor be interchangeable with in the machines in built realtime co2 curve.

58. Pulse oximetery in built pulse Spo2 and pulse curve.

59. Wave form freeze and cursor measurement.
60. Trending of all monitored parameters for a minimum of 72 hrs or more.

61. Export of trending data to computer Export of trending data and real time curves to computer.

Alarm;

62. Auto matic & manual setting should be possible.

63. Should be able to deactivate alarms for VtExp and MVExp in non invasive ventilation.
64. Connection to central alarming system
65. Alarm history ≥2000 alarms
66. Change of ventilation setting will automatically adjust directly related alarms.
67. EtCO2 High /low ,inCO2 high
68. Pulse high /low Spo2 low

Accessories:

69. Trolley with circuit support arm from the same manufacturer.

70. Compressor of the same make as ventilator to be shipped along with ventilator.
71. Circuit reusable
72. O2 Supply hose

73. Test lung: Neonatal, pediatric, adult from the same manufacturer to be quoted separately.
74. Etco2 main stream sensor & spo2 sensor(price to be offered separately)
75. Demonstration must be mandatory.

76. Must submit user list & performance report within last 5 years from major hospital.
77. Back to back warranty to be taken by the supplier from the principal to supply spares for minimum 10 years.
78. Comprehensive warranty for 5 years
79. Comprehensive maintenance contract for 5 years

Specifications for neonatal ventilators

1. The ventilator should be microprocessor controlled designed for neonatal use with possibility to upgrade with additional features.
2. Continuous flow, pressure limited, time cycled ventilator design.
3. Ventilator should be **US FDA and European CE certified** and the company should submit the respective certificate of US FDA and European CE.
4. Ventilator should be provided with good quality medical air compressor **(European CE/US FDA)** marked. Also the ventilator should be operational with central compressed air supply also.
5. One Training CD/DVD to be provided with each ventilator.
6. The ventilator should be supplied with a servo controlled heated wire humidifier (autoclavable) along with a autoclavable and reusable patient circuit.
7. **Battery-** back up of minimum 30 minutes. The battery should be integrated and provide backup to both ventilator and air compressor.
8. The ventilator should have **integrated nebulizer facility** with capability to deliver fine particle size of ≤ 3 micron aerosols and to be used in on line with ventilator.
9. **Ventilator modes:**
   - IMV/IPPV
   - CPAP INCLUDING NON INVASIVE VENTILATION
   - SIMV, SIPPV/Assist control
   - Pressure support mode of ventilation
   - Apnea back up ventilation
   - High frequency oscillatory ventilation- oscillating diaphragm/jet/piston based with active expiration.
     In high frequency mode, the ventilator must be able to provide high frequency ventillation successfully to entire neonatal weight range i.e. (500gm to 4 kg).
   - Volume targeted/ guarantee mode of ventillation with ability to deliver and monitor tidal volume as low as 1-2 ml. (range- 2ml to 50 ml).
10. Ventilator should have the following features in Pressure support/Volume guarantee mode:-
    - It should be possible to give leakage adapted inspiratory trigger during pressure support to spontaneously breathing patients with a set volume guarantee.
    - Volume guarantee should be regulated with lowest possible airway pressure within a set of PIP.
    - It should be possible to adjust the volume guarantee manually as per patient requirement.
11. **Should have integrated high resolution LCD screen** (minimum 10 inch color display) with touch screen facility for real time display of scalar (pressure, flow and volume against time) and loop (pressure-volume, volume-flow and pressure-flow). Graphic display of at least 3 waveforms together out of choice of flow, volume and pressure versus time with a facility

to freeze these waveforms. Facility for loops together with a facility to freeze the same. Should have graphical as well as tabular trend facility of data upto 24 hours.

12. **Digital display** of FiO2, peak pressure, MAP, CPAP/PEEP, expiratory tidal volume, expiratory minute volume, total frequency, spontaneous frequency, lung function monitoring including compliance, resistance, lung distension coefficient (C20/C), lung time constant, rate volume ratio etc.
13. Should have built in log book for recording events like various alarms.
14. **Integrated monitoring:** Integrated volume and pressure monitoring i.e. monitoring of PEEP Pmax, Pmean and VT, VTspont, MV and MVleak. The volume monitoring should have NTPD TO BTPS correction. Integrated monitoring of FiO2.
15. Monitoring of I:E, frequency and Spontaneous frequency.
16. **Settings Range:**
    - Trigger flow/volume leak adapted
    - PIP range – 8 to 60 cm H2O.
    - PEEP/CPAP – 0 to 20 mbar.
    - I: E ratio 1:0 to 1: 10.
    - Inspiratory time 0.1 to 2 seconds.
    - Expiratory time 0.2 to 30 seconds.
    - Frequency upto 200 BPM
    - Base flow (VIVE) 1 to 30 LPM.
    - Synchronization – patient synchronization with adjustable flow trigger.
    - Higher frequency amplitude- 1 to 100%
    - Integrated blender for Oxygen- 21 to 100%.
17. Monitoring of flow: at the Y piece with facility to activate or deactivate it.
18. Should measure parameters in HFOV like: DCO2, VtHF, MVim, VTim.
19. **Audio-visual alarms with advisory on-screen message:** MV high/low; Apnea; Tube obstruction; Fio2 high/low; PIP high/low; PEEP/CPAP low/high; fail to cycle, gas supply low, power failure, ventilator inoperative; alarm log book.
20. The ventilator should show trends of important parameters viz: C,R,Fio2,MAP etc. for evaluation of patient improvement.
21. The ventilator should have automatic compensation for leakage and should monitor and display leakages
22. Ventilator should have upgradation facility with EtCO2. It should have facility to set up expiratory flow different than inspiratory flow to help in EtCO2 flush.
23. Oxygen sensor: The ventilator should have permanent electronic Oxygen sensor. The company should provide lifetime warranty on Oxygen sensor and replace free of cost if it becomes malfunctonal. The machine should have automatic calibration for Oxygen sensor.
24. **Scope of supply** (with each ventilator)
    - Ventilator on trolley with wheels and brake facility.
    - Circuit support arm for holding the circuit.
    - Integral medical air compressor(European CE approved)

- Humidifier- servo controlled heated wire humidifier (autoclavable)-2 with each ventilator. (European CE/US FDA approved)
- 2 hose sets for conventional (autoclavable and reusable) neonatal ventilation circuit.
- 5 hose sets of disposable conventional neonatal ventilator circuit.
- 1 hose set for High frequency ventilation (autoclavable and reusable)
- Bacterial filters
- Flow sensors (2 reusable and autoclavable with each ventilator). If disposable- then minimum 30 to be supplied with each ventilator.
- Oxygen sensor.
- Oxygen connecting hose
- Air connecting hose
- Test lung (one with each ventilator)
- Heater wire (3 each)
- Temperature probe (3 each)
- Expiratory valve/expiratory cassette (2 reusable, autoclavable with each ventilator)
- Nasal interface (3 in number) with nasal mask (4 each of all sizes) and nasal prongs (4 each of all sizes) and bonnet (5 each of only preterm size) with each ventilator.
- Integral battery (back up 30 minutes)
- Instruction manual (original, not photocopy).
- Original literature and not photocopy to be supplied with quotation.
- Training cd/dvd (I each)

25. Items covered under warranty/CMC:
    - Prices of all consumables/accessories/essential spares/expanables should be quoted separately and frozen for the period including warranty and CMC.
26. The company should provide local functional service facility for after sales service and should have necessary equipments to carry out preventive maintenance tests.
27. Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities is mandatory.
28. Company should certify that the model quoted is latest and not obsolete and spares and consumables are available for 6 years after warranty.
29. The ventilator should have:
    - RS 232C port for data transfer and software compatible with windows.
    - Provision for future software/hardware upgrades should be available.

      Optional: PC software for archiving and analysis and Communication interface with laptop

8. I/V Fluid Warmer

1. Flow Rates should be from kvo to 150ml/min
2. Should have temperature range of 36degree C to 420 degree C
3. Should be easily transportable
4. Should able to attach to I V pole and standard electrical soc kets
5. Should use dry heat technology
6. Should have audible and visual alarms for Temperature
7. Should have automatic cutoff for set temperature
8. Should be easy to use and to clean
9. Calibration certificate should be issued during the installation
10. 5 disposable adult and 1 no. of pediatric warming sets should be supplied along with each machine
11. Warm up time should be less than 60 seconds
12. Consumables should have built in filter
13. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL.Copy of the certificate / test report shall be produced along with the technical bid

9. Arterial Blood Gas Analyzers.

1. Measured parameters: Routine parameters : pH, pCO2, pO2, Cl, Na, K, Ca, Hb, glucose, lactate. Special parameters: SaO2 with co-oximetry Calculated parameters: Std. pH, pCO2, pO2, aH+, HCO3, Hct, Std.HCO3, O2 Sat, BE, BEecf, BB, O2 content, TCO2.
2. Sample size: upto 250uL.
3. Throughput: approx. 30 samples per hour for all parameters.
4. Printer: Suitable in-built printer.
5. Calibration: Automatic in cycle system.
6. Provision for auto QC facility should be available.
7. Display: Digital display on the screen
8. Electrodes: Maintenance free/low maintenance . Free replacement of all electrodes / membranes (free of cost) should be included in the warranty period. Electrode should be individually replaced(and not as single pack/cassette/cartridge together).
9. Memory: More than 500 patients memory.
10. Should have USFDA and European CE approved product.
11. Manufacturer must be manufacturing reagents/kits needed for the machine.
12. The firm should quote the prices of all consumables and the prices will be frozen for five years. The system must be supplied with necessary pre-requisites and start up kits for installation and training free of cost with required calibrators, controls and other liquid consumables for 3 months @30 samples/day each instruments for all the routine parameters such as pH, pCO2, pO2, Cl, Na, K, Ca, Hb , glucose, lactate .
13. Calibrators for all the above tests in suitable volume for above mentioned workload, Controls for all the above tests (normal and abnormal) in suitable volume for above mentioned workload and any other liquid consumables must also be provided for 3months.
14. The bidders must quote the prices of other consumables required for the special parameters (apart from the routine parameters mentioned) and these prices will be frozen for 5 years. Any consumable not quoted in this table but essential for performing the above listed tests shall have to be supplied free of cost for the entire workload during the validity of the contract.
15. Five years warranty & 5 years post warranty CMC should be provided.
16. On Site training to Doctors/ Technicians/ staff is to be provided.

10. Syringe Infusion Pumps

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) 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.

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.

11. Infusion Pumps

Bolus: 1200ml/h
Flow rate range: 1-1200ml/h
Volume limit: 1-9999 ml
Accuracy:±5%
KVO flow rate: 1ml/h, keep vein open KVO rate
Power supply: AC100-240V, 50/60 Hz, 25VA
Water Proof: IP *I
Battery: Rechargeable lithium polymer battery, 7.4 V, 1650mAh
Electrical safety: compliance with the requirements of IEC 60601-1.
Max. Power consummation: 25W
Battery recharge: When the pump is connected to the AC power, the battery will automatically recharge About 8-14 hours to recharge fully Can run for more than 5 hours continuously after fully recharged.
Fuse Type: 220V 2A*2, 12V 2A*2
Display or information: Flow rate, volume limit, accumulated volume, power indicator light, bed No., air, occlusion, empty.
Alarm function: Infusion completion, occlusion, air bubble, low battery, control abnormal, no AC power supply, installation error.
Max. size of outer shell: 120*140*190 mm-length* width* height • Max. weight: <2.5 kg • Classification: Type B. • Outer shell material: ABS plastic
Operating condition: Environment temperature:+5℃- +40℃, atmosphere • pressure 50-106kPa, related humidity 30%-90%
Storage and transport condition: Environment temperature -15℃- +50℃, atmosphere • pressure 50-106kPa, relative humidity 30%-90%.
Applicable infusion pipe: All standard infusion pipe use "double dove" to test • EMC: Complies with IEC/EN60601-1-2 and IEC/EN60601-2-24.

12. Transcutaneous Bilirubinometers

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

13. Radiant Warmers

1. The manufacturer should be ISO 9001 and European CE/US FDA certified for quality standards.
2. Electrical: Equipment shall be certified to meet electrical safety requirement as per IEC 60601-1-2: 2001 (or equivalent BIS) General requirements of safety for electro-magnetic compatibility or should comply with 89/366/EEC; EMC- directive.
3. Essential parts:

-Quartz/ ceramic based warming system with microprocessor based controls, probes, alarms, display.
- Cart (with 4 wheels) and bassinet fixed with warmer with 3 drawers.
- Examination light
- X-Ray cassette holder
- APGAR timer
- I.V infusion stand- height adjustable
- monitor shelf

4. CART and bassinet:

- Should have wheels with foot operated brakes on two front wheels.
- **Bassinet:**
- It should have collapsible and lockable, transparent, thick, acrylic side walls- easily detachable for cleaning.
- Bed should be tiltable both in trendelenberg and reverse trendelenberg position.
- **X-ray cassette holder**: Bed should have a provision for X-ray cassette holder. It should be a sliding holder located just below the undersurface of the bassinet preferably with markings to help placement of cassette.
- **Mattress:**

Width- 55-60cm
Length 65-75 cm
Thickness- 3-5 cm
Foam density- minimum 25kg/cm3
Material: soft and easy to clean, X-ray transparent, fire retardant, allows air to pass through but not water to seep in.

5. Warming system:

- Ceramic/quartz based system
- Warming head should be rotatable in different directions to allow taking X ray.
- Full cradle warming with uniform heat over the entire mattress.
- Microprocessor controlled with soft/feather touch control panel. Control Panel should be liquid proof and allow easy and hygienic disinfection.
- Self test function performed.
- Digital display should show the following parameters:

a). Set temperature
b). Present temperature of baby
c). Heater output.

Modes: should have skin (servo), manual and air control modes
Mode of operation should be clearly displayed.

- LED Display and inbuilt software; Interruption and restoration of the power supply does not change the preset values.
- **Skin (servo) mode**: set point range 32-380Celsius
- **Skin temperature display**: Accuracy: ± 0.20Celsius

Resolution: 0.10Celsius

- **Manual mode**: adjustable in steps from 0-100% in increments of 10%.

Time programmable

6. Audio-visual alarms:

- Audio-visual alarms with a display of text messages about the alarms:
- Probe failure and automatic cut off.
- Heater failure
- High and/or low baby temperature (> 0.50Celsius temperature difference).
- Power failure
- System failure

- Silence/reset switch.

7. APGAR Timer:

Timer with stopwatch facility and reset facility.

8. Examination light:

Illuminance- At least (minimum) 75 foot candles at mattress center.

Dual examination lamp with dimming facility.

9. **I.V stand** – strong I.V stand (stainless steel) with height adjustable and facility to fix large number of infusion pumps.

10. **Monitor shelves**- At-least one.

11. **Temperature probe**- wire should be easy to clean and long lasting

No temperature probe calibration should be required.

Probe should be made of biocompatible material and not more than 10mm diameter and 4-5 mm thick to fix probe firmly on infant.

12. Electrical- 220± 20 V AC, 50 HZ.

13. Environmental:

-Unit should be able to be stored in ambient temperature of 0-50 degree Celsius and relative humidity of 15-90%.

-The unit should be capable of operating continuously at temperature of 10-45 degree Celsius and relative humidity of 15-90%

14. The company should provide local service facility/provide necessary service when required at end site at minimum notice. The service provider should have the necessary equipments to provide preventive maintenance test as per guidelines provided in the service manual.

15. The company should provide free installation and demonstration/training at the end user site when required and with all requested facilities.

16. All metal parts should be Coating- epoxy/ powder coated body for making it scratch and rust free and there should be PU (polyurethane) coating for plastic.

17. Items/Issues covered under warranty/CMC are:

a) Prices of consumable / accessories / lamps /probes with cables/spares/mattress etc. should be quoted separately and should be fixed for period of warranty and CMC.

b) Company should certify that model is latest and not obsolete and any spares/ lights/fuses etc. will be available for 7 years after completion of warranty.

c) During warranty company should provide free of cost:

Full service including 2 preventive maintenance per year plus on call technical interventions.

d) The rate of consumable accessories should be quoted separately.

18. Essential accessories to be supplied at initial purchase with each equipment (free):

- Reusable temperature probes with cable (full set) - 03 per equipment.
- One spare set of fuse.
- One spare light lamp.

19. The company should provide:

a) User/technical and maintenance manuals in English and original copy (Not photocopy) to be provided.

b) Certificate of calibration and inspection from factory.

14. Anesthesia Work station Machines

1. Anaesthesia Workstation is used for delivering anaesthesia agents to the patients during surgery. The complete unit also monitors the vital signs and ventilates the patient from neonatal to adult.
2. a) Anaesthesia Workstation complete with Anaesthesia gas delivery system.;Circle absorber system.;Precision vaporiser for halothane,isoflurane and Sevoflurane ;Anaesthesia ventilator. Monitoring system to monitor Anaesthetic gases,ECG, EtCO2, Pulse Oximeter and airway pressure,NIBP, IBP (No as required) , rectal/&skin temperature. b) Essential accessories to make the system complete.
2.1 Demostration of the equipment is a must.
3. Technical Specifications
3.1 Flow management
1. Should be Compact, ergonomic & easy to use
2. Machine should provide electronic gas mixing.
3. Multi-color TFT display of at least 12" size, with virtual flow meters for O2, N2O or Air.
4. Dual flow sensing capability at inhalation and exhalation ports.
5. Should have back-up O2 control which provides an independent fresh gas source and flow meter Control in case of electronic failure.
6. Gas regulators shall be of modular design/ graphic display.
7. One no. yoke each for Oxygen & Nitrous Oxide. Separate Pipeline inlet for Oxygen , Nitrous Oxide and Air.
8. Hypoxic Guard to ensure minimum 25% O2 across all O2-N2O mixtures and Oxygen Failure Warning.
9. Should have integrated EtCO2 monitor.
10. Should display flow, volume & pressure/volume loops.

3.2 Breathing system.

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

3.3 Vaporizers.

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

3.4 Ventilation

1. The workstation should have integrated Anesthesia Ventilator system.
2. Ventilator should have Volume Control and Pressure Controlled and SIMV modes.
3. Ventilator should have a tidal volume compensation capability to adjust for losses due to compression, compliance and leaks; and compensation for fresh gas flow.
4. The workstation should be capable of delivery of low flow anesthesia.
5. Ventilator should be capable of atleast 120-150 L/min peak flow to facilitate rapid movement through physiologic ―dead space.
6. Bypass cardiac mode in the Pressure Control mode.
7. Tidal volume: 5ml-1400ml.

3.5 1. Anesthesia Monitoring Specifications: 19" TFT Screen

a. Monitoring of vital parameters:ECG,NIBP,SPO2 and two Invasive Blood Pressure.
b. Twin temperature measurement with skin and rectal probes- Two sets with each monitor
c. Automatic identification and measurement of anesthetic agents, EtCO2, O2 and N2O and MAC value. FiO2 measurement. To be available either on M/c or monitor. It should have a paramagnetic sensor with O2 Sensor.
d. Depth of Anesthesia Monitoring module - one per monitor with 50 sensors with each monitor e. Neuromuscular Transmission Monitoring with all accessories. One set with each monitor.
f. Cardiac Output measurement facility by thermo dilution technology with all accessories- one set for three monitors.
g. 24hrs of graphical and numerical trending.
h. Should have Hemodynamic, Oxygenation and Ventilation calculation package. Should also have Ventilation Data available on monitor.

i. Should include inbuilt Anaesthesia record keeping software facility in all OT monitor to document anesthesia event using standardized menu based entries.
l. Monitor should be USFDA approved
2. Display of Ventilator:
a. Tidal volume (VT).
b. Inspiratory/expiratory ratio (I:E) c. Inspiratory pressure (Pinspired) d. Pressure limit (Plimit).
e. Positive End Expiratory Pressure (PEEP).
3.6 Centralised Monitoring and Networking:
Web Browsing feature for browsing near real time waveforms and graphical & numerical trend up to 24hrs remotely through telephone dial in facility. Compatible with HIS system of the hospital.
3.7 Automatic Recording System.
4. System Configuration Accessories, spares and consumables.
4.1 Anaesthesia Gas Delivery system -01.
4.2 Circle absorber -01.
4.3 Ventilator -01.
4.4 Monitor -01.
4.5 Vaporiser Halothane -01.
4.6 Vaporiser Sevoflurane -01.
4.7 Vaporiser Isoflurane -01 & Vaporizer Desflurane -01.
4.8 Adult and Paediatric autoclavable silicone breathing circuits -02 ea.
4.9 Reusable IBP Transducer -04. Reusable IBP cables -04. Disposable Transducers - 100.
4.10 Disposable domes-100.
4.11 Temp probe Skin reusable- 02.
4.12 Temp probe Rectal Reusable-02.
4.13 Accessories Anesthetic gases-01 set.
4.14 Depth of Anesthesia Sensors-100 adult & 100 pediatric.
4.15 Accessories for Cardiac Output module- 01 set.
4.16 Accessories for neuromuscular transmission monitor- 01 set.
4.17 Standard accessories to make all parameters working- 01 set.
4.18 Disposable Adult & Paediatric circuits- 100 ea.
4.19 HME filters.- 100.
4.20 Vital Parametrer Accessories-01 Set.
4.21 Nellcor/Masimo SpO2, Adult, Ped., Neonatal Sensor-2each.
4.22 NIBP/Adult, Ped., Neonatal Cuff – 2 each.
5. Environmental factors.
5.1 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%.
5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%.
5.3 Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
5.4 Safe disposal system of waste anaesthetic gases should be either in place or should be recommended along with the bid if not available. Supplier will be held responsible if this is not ensured at the time of installation.
6. Power Supply.
6.1 Power input to be 220-240VAC, 50Hz,/440 V 3 Phase as appropriate fitted with Indian plug.
6.2 Resettable over current breaker shall be fitted for protection.
6.3 Suitable Servo controlled Stabilizer/CVT.
6.4 UPS of suitable rating shall be supplied for minimum 1 hour backup for the entire system.
7. Standards, Safety and Training.
7.1 Should be FDA or CE approved product.
7.2 Electrical safety conforms to standards for electrical safety IEC-60601 /IS-13450.
7.3 Manufacturer should be ISO certified for quality standards.
7.4 Certified to be compliant with IEC 60601-2-13-Medical Electrical equipment part 213: Particular requirements for the safety of Anaesthesia Workstations.
7.5 Should have local service facility .The service provider should have the necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.

7.6 All imported components like anaesthesia machine, monitor and ventilator should be from one manufacturer/principal.
7.7 Back to back warranty to be taken by the supplier from the principal to supply spares for a minimum period 10 years.
7.8 Comprehensive warranty for 2 years and provision of CMC for next 5years.
8. Documentation.
8.1 User Manual in English.
8.2 Service manual in English.
8.3 List of important spare parts and accessories with their part number and costing.
8.4 Certificate of Calibration and inspection from the factory.
8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
8.6 List of Equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
8.7 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.
8.8 Must submit user list and performance report within last 5 years from major hospitals.

15. HIGH DEFINITION LAPROSCOPIC FULL SET WITH ACCESSORIES

Sr. No.	Specification
	The system should be truly Digital High definition endoscopic system. The system should have the maximum Resolution of 1920 X 1080 pixels, progressive scan and the consistent use of 16: 9 formats for Input & Output to guarantee genuine HDTV.
A.	**Full High Definition Systems will consist of:**
1	Full HD Video Image Processor -1no
2	3 Chip CCD / 3 Chip CMOS Full HD Camera Head -1no (autoclavable preferred). At least should be immercible in disinfectant solution. It should have optical zoom lens technology
3	Powerful 300 W LED/ 300W Xenon Light Source for better illumination – 1no
4	26" Full HD Medical Grade Monitor-1no
5	High definition Telescope preferably Autoclavable- 1no -each of 10mm 0 and 30 degree, 5mm 0 and 30 degree
6	Light Guide Cable-1no
7	High Flow Insufflator- 40 Liters and above -1no
8	Trolley /Video Cart -1no
9	Suction-Irrigation unit - 1no
10	Carbon Dioxide Cylinder- 2no
11	Hand Instruments & Other Accessories
12	Accessories, spares and consumables
1)	**Full HD Video Image Processor:** Should have following specification:
*	A full high definition processor should have resolution of 1920x1080 pixels with progressive scan technology in camera system.
*	Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions, Or or ICG compatible.
*	Should have a USB slot so as to take still pictures of Endoscope images. It should have 2 digital output ie DVI/HD MI/HS-SDI OR it should have external recorder.
*	Should have provision for adjusting brightness automatically during to & fro of the scope movements.
2)	**3 Chip CCD/CMOS Full HD Camera Head:** Should have following specification:
*	The full HD camera head should be of Eye piece type & have resolution of 1920x1080 pixels.
*	Should have Digital / Manual focus function which can be varied seamlessly from coarse to fine image.
*	Camera Head & coupler should be one piece integrated/or with C Mount HD coupler. Separable C Mount coupler along with the camera head is acceptable.
*	The camera head should /must have integrated (one piece) inbuilt zoom and focus lens/rings to make it fully soak able for sterilization/ disinfection. C Mount coupler along with the camera head is acceptable.
3	**Powerful 300W LED Or 300W Xenon Light Source:** Should have following specification:

*	A Powerful 300W LED Or 300W Xenon Light Source
*	Automatically adjust light intensity to achieve ideal illumination.
*	Should have special filter light for observation of capillary vessels and fine patterns in the superficial layer of mucosa for early detection of lesions, or ICG based function should be available.
*	Colour temperature of at least 5800 K
*	Manual and automatic adjustment of light intensity
*	Brightness control to be regulated anually or automatically via the output signal of a video camera
*	Lamp life 500 hrs or more for Xenon bulb
*	Electrical specifications
a.	Power supply voltage: 100-240 VAC
b.	Power frequency: 50-60Hz
*	The light source should comply with IEC 60601-1, belong to Class II a with CE mark
4)	**26" Full HD Medical Grade Monitor:** Should have following specification:
*	26 inch full true HD Medical Grade Monitor with LED backlit with high resolution 1920x1080
*	Aspect ratio 16:9
*	Should have multi -modality display compatibility, including Picture-in-Picture for various image size combinations.
*	Should have eco -friendly consumption by low power consumption, various powers saving
	mode, lightweight and thin body.
*	Should have advance Image Multiplier Enhancer to enhance image quality.
*	System should be dual channel digital input and output DVI/ HDMI
5)	**Telescope:** Should have following specifications:
*	10mm, 0 &30 degree – 1No each (approx. 30-35 cm long)
*	5mm, 0 &30 degree – 1No each (approx. 27-30 cm long)
*	Completely distortion free.
*	HD Optics for better contrast & color reproduction.
*	Large field of view and depth of focus.
*	Fully Autoclavable type preferably.
*	Color coded.
	Telescope optic should be compatible to FULL High Definition camera for better contrast & color reproduction
6)	Light Guide Cable
*	It should have High resistance protection against mechanical and thermal stress
*	It should have small bending radius for comfortable use
*	It should be 3 Meter or more in Length
*	Should be European CE/USA-FDA
	compliant.
7)	**High Flow CO2 Gas Insufflator unit** – 40L/per minute or more
*	Should be digital, microprocessor controlled & automatic type

*	Large digital display on front panel for status checking	
*	Powerful Insufflation flow rate of 40 L/Min or more required.	
*	Automatic feedback control for any malfunction.	
8)	**Trolley (video cart) should be supplied for the system**	
*	Should be from original equipment manufacturer (OEN) and should be imported	
*	Made of Stainless Steel/ Epoxy coated metal with minimum 4 shelves.	
*	Portable on 4 antistatic dual castors, 2 with locking brakes	
*	Should have minimum 4 shelves	
	Should have storage for C02 gas cylinder holder or portable separate holder.	
*	Should be from OEM	
*	Trolley should be able to hold monitor with tilt and swivel accordingly.	
*	Should have anti- static strong wheels	
9)	**SUCTION-IRRIGATION UNIT :**	
	Controlled suction and irrigation unit with flow rate of at least 1L/min.	
	Irrigation pressure control between 0-400 mm Hg, preferably by roller pump /compact pump.	
	Control from control panel and /or foot pedal	
	Accessories should include silicone tubing set with reusable pressure domes, bacterial filter and suction bottles with cap (minimum 2.5 ltrs.)	
10)	**CARBON DIOXIDE CYLINDER - TWO**	
	Two large size cylinders with required regulators and connecting pipe to the insufflators with pressure gauze. Minimum B type 20Kg capacity with separate mobile stand for it. Indian make is acceptable.	
11)	**HAND INSTUMENTS** should be made of plastic/metallic handle	
S.No.	**Instruments**	**Specification**
1	Reusable Veress Pneumoperitoneum Needle	Spring loaded Length – 10- 12cm
	Needle	Blunt stylet Luer lock - 15 cm
2	Reusable Trocar :- 5mm	Multifunctional valve, insufflations stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip, length (10.5cm), autoclavable length (10.5cm), autoclavable
3	Reusable Trocar :- 10/11 mm	Multifunctional valve/flap valve, insufflations
		stopcock and smooth sleeves, pyramidal tip,
		length (10.5cm), autoclavable
4	Reusable Trocar :- 5mm	Multifunctional valve, insufflations stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip, length (10.5cm), autoclavable length (10.5cm), autoclavable

5	Reusable Trocar :- 13.5mm	Multifunctional valve, insufflations stopcock and smooth sleeves, pyramidal tip with safety outlet hole near tip, length (10.5cm), autoclavable, size 13 to 14mm
6	Two ways Suction and Irrigation Cannula	a. Size 5mm, length 32- 38cm, used withsuction and irrigation handle and handpiecewith stopcock b. Size 10 mm, length 32- 38 cm
7	Tissue Grasping forceps – toothed 2x3 teeth	Double action jaws of 18-24 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles with ratchets, autoclavable
8	Tissue Grasping forceps – toothed 2x3 Teeth	Single action jaws of 28-35 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles with ratchets, autoclavable
9	Maryland forceps	Double action jaws with size 14-18 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles without ratchets, autoclavable
10	Grasping forceps	Double action jaws, spoon shaped with multiple teeths of jaw length 18-30 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles without ratchets, autoclavable 01
11	Dissecting and Grasping forceps – Alligator type	Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles with ratchets, autoclavable
12	Dissecting and Grasping forceps	Single action jaws, of 16-20 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles without ratchets, autoclavable
13	Grasping forceps Atraumatic – Reddick Olsen type	Double action jaws, with fine serrations on jaw length 12-18 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles without ratchets, autoclavable
14	Grasping forceps – Fenestrated	Single action straight jaw of 24-26mm length with fine serrations and fenestration, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable

15	Grasping forceps – Fenestrated	Single action curved jaws of 35-40mm length with fine serrations and fenestration, rotating, size 5mm, length 43-46cm, dismantling facility,
		plastic handles with ratchet, autoclavable
16	Babcock Grasping forceps- (5 mm)	Double action jaws, atraumatic fenestrated,
		rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable
17	Babcock Grasping forceps- (10 mm)	Double action robust jaws with large atraumatic gripping surface, rotating, size
		10mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable
18	Dissecting and Grasping Forceps	Single action, atraumatic, fenestrated, curved jaws of length 25- 30mm, rotating, size 5mm, length 33-36cm, dismantling type, plastic
		handles with ratchet, autoclavable
19	Dissecting Forceps- Right Angled	Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles
		without ratchet, autoclavable
20	Fan shaped retractor	Rotating with 4-5 blades, size 5mm, length 33-
		36cm, dismantling facility. Other makes European CE also acceptable including Indian
21	Hook Scissors	Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, autoclavable
22	Rotating Metzenbaum Scissors	a. Double action jaws of length 14- 16mm,
		rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm,
		dismantling facility, autoclavableb- Insert of Metzenbaum scissors
23	Bipolar coagulating forceps	Wide jaws for dissection, grasping large vessels, size 5mm, length 33-36cm fenestrated. Jaws with robust hinge and 360 degree rotational, ring handles, can be completely disassembled and acleaning port, autoclavable
24	Spoon Forceps	10 mm size, without ratchet
25	Reusable Hem-o-lock clip applicator	Reusable Hem-o-lock clip applicator - 10 mm size. Other makes European CE/FDA also
		acceptable
26	Bipolar coagulating forceps (Only Insert)	Maryland type jaw of 18-20 mm length, and 34-36cm long to fit into the other part of No. 23, autoclavable

27	Needle Aspirator	Size 5mm, length 30-36 cm, Needle diameter of 1.5-2mm
28	Needle holder (Disengageable, coaxial type)	Size 5mm, tungsten carbide tip, straight handle with ratchet, single moving with curved tip to left, length 33-36cm. Other makes European
		CE/US FDA also acceptable
29	Needle holder insert (straight type)	Size 5mm, tungsten carbide tip, single moving straight jaws, length 33-36cm.
30	Extracorporeal knot pushers	Closed Eye type, length 28-32cm, size 3mm
31	Endoloop applicator	To fit into trocar size of 6 mm
32	Clip Applicator – Medium Large	Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 300
33	Clip Applicator - Large	Rotatable, provision for locking the shaft conveniently, 10mm, compatible with clip LT 400
34	Hassan cone	Adaptable to 10mm trocar
35	Reduction Sleeves /Extractors	From 10/ 11 mm to 5mm, metallic Other makes
		European CE/FDA also acceptable
36	Reducers	From 10/ 11 mm to 5mm
37	L - Hook	Size 5mm, length 33-36cm with pin for cautery
38	J - Hook	Size 5mm, length 33-36cm
39	Spatula	Size 5mm, length 33-36cm with pin for cautery
40	Fascia closure instrument	Size 2.8mm, length 17cm with single action jaw Other makes European CE/FDA also acceptable
41	High Frequency Cord	For 5mm & 10mm hand instruments with Monopolar Electrodes
42	Washers	For 5 & 10 mm cannula and reducers
43	Fibreoptic Light cables	With straight connectors of 4.8mm diameter and 250cm long
44	Fibreoptic Light cables	With straight connectors of 4.8mm diameter and 300cm long
45	Light Adaptor	Angled 90 degree, diameter 4.8mm, free rotatable, to connect with standard telescopes
46	Container systems: Metal & Plastic	For sterilization and storage of telescopes, hand instruments and other accessories of different sizes. Indian/European CE & FDA also acceptable
47	Bipolar HF connecting cable	
49	Hydatid suction cannula	Indian makes also acceptable
50	Cleaning Brush	Length 35cm, 0.0-7mm
		Indian /Other makes also acceptable

51	Cleaning Brush	Length 35cm, 0.0-2.5mm
52	Cleaning Brush	Length 50cm, 0.0-11mm
53	Cleaning Brush	Length 50cm, 0.0-7mm ,
54	Oil dropper	No 38 ,
55	Silicon oil for instruments	Bottle of 50ml
56	Special lubricant for stopcocks	
57	Duraglit for polishing metal sheaths and instruments	
58	Formalin chamber	Made of Virgin acrylic 4.5mm thickness, size 26" x 8" x 8" (LxBxH) with three tray for sterilizing lap. Set
		Indian /Other makes also acceptable
59	12(a) System Configuration Accessories, spares and consumables	
	System as specified. But all the items should be of the same	
	manufacturer of International repute only. All electronic devices	
	should have CF protection. They should all be US FDA/ ECE approved	
	unless otherwise specified	
	ACCESSORIES:- All possible accessories of the equipment should be	
	quoted. The specific accessory and its quantity will be decided on the	
	basis of actual requirement	
	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	
	The codes and rates of all relevant individual accessories should be	
	quoted separately with clear mention of period of validity of rates	
	12(b) Environmental factors	
	The unit shall be capable of being stored continuously in ambient	
	temperature of 0-50 deg C and relative humidity of 15-90%	
	The unit shall be capable of operating continuously in ambient	
	temperature of 10-40 deg C and relative humidity of 15-90%	
	12(c) Power Supply	
	Power input to be 220-240VAC, 50Hz fitted with Indian power-plug	
	Electronic Voltage corrector/stabilizer of appropriate ratings for power	
	supply to the whole set meeting BIS standards/specifications. (Input	
	160-260 V and output 220-240 V and 50Hz)	
	UPS of adequate rating 2KVA with 60 minute backup for power supply	
	to the system.	
	12(d) Standard & Safety	
	Should be FDA, CE, UL or BIS approved product	
	Manufacturer and Supplier should have ISO certification for quality standards.	

	Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)
	Shall meet internationally recognized standard for Electro Magnetic Compatibility (EMC) for electro medical equipment: IEC-60601-1-2: latest edition or Equivalent BIS) or should comply with 89/366/EEC; EMC- directive as amended
	Certified to be compliant with IEC 60601- 2-2 Medical electrical equipment part 2-2: particular requirements for the safety of equipment mentioned above – wherever applicable
	12(e) Training
	Comprehensive training for staff of user department and support services till familiarity with the system for at least four weeks
	12(f) Warranty & Service
	Comprehensive warranty for 5 years on main laparoscopic system and 5 years Comprehensive Maintenance service after warranty. The cost of
	CMC must be quoted in the price bid. Hand instruments and accessories
	should be quoted with atleast 1 year warranty. The price of inserts,
	grasper, jaws and handles should be freezed for four year after the
	standard warranty of 1 year.
	Percentage of up time guarantee of the equipment during warranty and
	CMC period for which commitment is to be given must be specified.
	Principal manufacturer must have registered service centre in India.
	After sales service must be provided in the city of installation. In
	situations requiring service/repair of the unit outside the city of
	Installation, the expenditure on account of this will have to be borne by
	the supplier.
	12(g) Documentation
	Product Literature in original along with that of accessories and
	indigenous components if any photocopies /computer generated copies
	are not acceptable
	Statement of compliance with tender specifications with clear and
	unambiguous links to relevant portions of product literature /authentic
	document, which should be highlighted. Alternatives provided for
	noncompliant specifications with justification must be described in detail
	with supporting literature
	Certificate of compliance with standards and approvals stated above
	Certificate of manufacturer /principal regarding authorization of service
	facility provided by the supplier
	List of equipment available in the Service centre for proving calibration
	and routine preventive maintenance support, as per manufacturer
	documentation in service/technical manual.
	List of important spare parts and accessories, which are required for
	maintenance and repair, with their part number and costing
	Terms and conditions of warranty and CMC including schedules of visit
	by service personnel with check list of service to be carried out
	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
	List of users of quoted model with performance certificate from major
	Hospitals
	All the offered should be US FDA & European CE approved or as
	otherwise mentioned
	All equipment's should be from the same manufacturer unless otherwise
	mentioned.
	The principal Company should have their own Service Centre in Delhi/
	NCR
	Comprehensive Warranty of main laparoscopic equipments should be of
	5 years and 5 years comprehensive maintenance service after warranty
	Cost of CMC must be quoted in price bid
	All companies should quote their latest model of HD system

16. C-Arm Image Intensifier

1. 9" triple field Image Intensifier with zoom function should be provided. CCD Camera with motorized facility rotation and 1K X 1K matrix.
Fluoro / Radiography and play upto 25 frames/sec.
1. Dual Medical 19" (48 cm) LCD anti glare panel.
2. C-ARM : It must have ISOCENTRIC movements. Following movements should be available:
2.1 Vertical, RAO, LAO and Cranio caudal movements must be motorized and also remote controlled.
2.3 Rotation : 180 Degrees.
2.4 Motorized Up/Down : At least 350mm.
2.5 Horizontal Travel : At least 100 mm.
2.6 Arc orbital Movement : At least 85 deg +25 deg.
2.7 Free space should be at least 30.7" (78 cm).
2.8 Source to image distance should be 39.4"(100 cm) Integrated laser light positioning.
3. X-RAY GENERATOR: High Frequency x-ray generator with single tank converter frequency of minimum.
3.1 40 KHz or more with power output of min. 20 KW or more should be provided. Unit should have following parameters.
3.2 KV range : 40 to 110KV (Rad. / Fluoro).
3.3 Max mA : 250mA OR more.
4. X-RAY TUBE
4.1 Dual focus rotating anode X-Ray Tube of dual focal spot size (e.g. 0.3 and 0.6mm) to be provided.
4.2 Anode heat storage capacity should be 300KHU or better.
4.3 Anode coiling capacity should be 70kHU/min. or higher. The tube housing heat.
4.4 capacity should be a minimum of 1600000 HU.
4.5 X Ray tube must be from same manufacturer OR from same country where main machine is manufactured. Attach documentary evidence.
5. CONTROL : Control panel should have : Pulse Fluoro, Radiography.
Physician controlled advanced multifunctional double foot switch, hand switch. Remote control (wired) for motorized movement control of C arm .
6. DIGITAL IMAGE ACQUISITION & PROCESSING SYSTEM
6.1 Cine loop acquire up to 25 frame/second.
6.2 Pulsed fluoroscopy.
6.3 Autoimagestorageinharddiscdriveupto1,00,000.
6.4 Image zoom and multiple image display, Windows and level, Electronic collimator Image flipping and rotation, Image measurement.
6.5 Image Management features:
Integrated DICOM interface.
Image storage to disk during fluoroscopy, pulsed fluoroscopy, digital radiography, digital serial radiography.
Archiving should be digital with facility to make CD/DVD and others.
Provision of Large capacity disk for storage. All DICOM class must be available.
7. Essential Accessories:
7.1 Thermal Printer with 100 paper rolls. Multifunction fluoroscopy footswitch. Radiography hand switch .
7.2 Dosimeter (DAP). Light weight Lead apron including thyroid shield – 6 nos. Voltage stabiliser for full unit with spike suppressor.
7.3 UPS for digital section/ monitors with 30 minute back up.
7.4 Grid with 8:1, 100 lines per inch. Certification USFDA/ European CE approved.

17. Upper GI Endoscope

A) Video Gastro-scope – Should have the following:
To be now read as "Capable of producing Endoscopy images like NBI/SPIES/I-SCAN, with following features:".
a. High Definition / Digital Video Processer".
b. Forward viewing
c. Observation range: minimum 5mm or less, maximum 100 mm or more
d. Field of view: 140 degrees or more
e. Distal end diameter: 11 mm or less
f. Bending capabilities: up-200 degrees or more
g. Down-120 degrees or more
h. Left- 120 degrees or more
i. Right-120 degrees or more
j. Forceps channel diameter; minimum 2.8mm
k. Working length: "1030 mm or more"
B) **Video Colonoscope** – Should have the following:
Capable of producing Endoscopy images like NBI/SPIES/I-SCAN, with following features:".
a. "High Definition / Digital Video Processer".
b. Forward viewing
c. Observation range: minimum 4mm or less, maximum 100 mm or more
d. Field of view: 140 degrees or more
e. Distal end diameter: 14 mm or less
f. Bending capabilities: up - 180 degrees or better
g. Down-180 degrees or better
h. Left-160 degrees or better
i. Right - 160 degrees or better
j. Forceps channel diameter: "3.7/3.8 mm minimum".
k. Working length: "1600mm or better"
The following items should also be included in both the scopes:
Carrying Case
ETO Cap
Leakage Tester
Caps for Working Channel
Irrigation Tube
Bite protector (in Gastroscope only)
Biopsy Forceps
Cleaning Brush
Cleaning Valve
Snare
Injection needle
Each of the above Scopes should be supplied along with each of the following:
HIGH DEFINITION / DIGITAL VIDEO PROCESSOR".
Special Features:
a. "High definition digital output: DVI (1280 X 1024/ 1920 X 1080 - Optional)".

b. Colour enhancement technology
c. Capable of connection to image capture device for recording HD still and video images
XENON LIGHT SOURCE
a. "100 to 300 Watts Light source (Xenon or LED Light Source)".
b. Backup lamp halogen/Led/Xenon
c. "Lamp life of Xenon bulb should be 500 hrs / LED bulb should be 25000 hrs or more"..
d. Back up lamp should be available / Spare Light source".
e. 100 to 300 watts Light source (Xenon or LED Light Source) can be separate unit or integrated with the HD / Digital video processor".
<u>Video Monitor:</u> System should be supplied with a 19" or more size High Definition Medical Grade Monitor (LED / LCD) Max Resolution 1280 x 1024
Suction Machine
The Machine should offer quiet, low vibration operation, thus creating a pleasing environment for carrying out examinations and facilitating stress-free, concentrated work.
Should have
1- High suction capacity of 30 liters/minute
2- Maintenance free cylinder and piston system
3- Hydrophobic bacterial filter to protect the pump
4- Easy to clean.
5- Should be medical grade and European CE (EN type)/ USFDA approved.
Technical data:
Suction capacity: 30 liters/minute
Vacuum: up to 85kPa, up to 640mmHg
Line voltage: 230VAC, 50/60 Hz
Protection Class: Protection class I; BF;
Equipment Cart
Should be imported and have following specifications-
Equipment cart rides on 4 antistatic wheels, equipped with atleast 02 locking brakes, 3 fixed shelves, 1 with handles and lockable drawer, scope hanger to mount flexible scope.
All the offered products should be USFDA or European CE (EN type certified) approved, no discontinued products or recalled products (in past also) should be quoted.
Following items are to be added as part of the equipment:
Computer with recording software & printer
UPS 1.5KVA on line with half hour back up

18. Electro Caurtery Machine With vessel Sealer

1. Electro surgery unit should automatically adjust the power output. Intelligent microprocessor technology should deliver the required amount of power according to current need.
2. Should have vessel sealing output for vessels upto 7mm for laparoscopic & open surgeries.
3. Should have autostart & autostop faculity for bipolar modes.
4. Should have bipolar cut and coagulation facility.
5. System should have universal socket for Monopolar electrode, Bipolar & Neutral electrode.
6. System should have display of parameters; TFT/LCD display with focused view of current active mode.
7. Visual indicator for actual power being delivered to tissues.
8. Voltage and power regulation in a single system for better coagulation.
9. Activation by double paddle foot switch and hand switch.
10. Activation of the bipolar should be by footswitch and automatic Start facility.
11. Visual & audible Display/Alarm supported patient plate safety system during activation.
12. Automatic control of output power according to tissue resistance.
13. Facility for ten or more Programmable memory for output settings.
14. System should have maximum wattage for Monopolar cut - 300 watts & monopolar coagulation 01-200w.
15. Should have bipolar cut 01to100w& bipolar coagulation 01 to 120w.
16. System should have three modes for Cut – Auto Cut, Dry cut, Blend.
17. System should have facility for, Spray Coagulation & Classic coagulation.
18. Should have continuous patient monitoring for neutral electrode.
19. Should have facility to use under water cutting(Monopolar).
20. System should have two footpadel Sockets.
21. Unit should be US FDA approved and European CE certification.

Power Features

Maximum Monopolar Cut output – 300 watt.
Maximum Monopolar Coag output – upto 120 watts.
Safety system:- return electrode monitoring/Neutral electrode safety system.
(continuous patient monitoring) Supply Voltage:- 220 v – 240 v,

Accessories:

Trolley with castors of the same make as electrosurgical unit. Local trolley not acceptable.
Monopolar, bipolar, vesseling, Footswitch two Paddle – 2 no. Bipolar Footswitch – 1 no.
Reusable Hand switching pencils with cable – 5 nos.
Bipolar Forceps straight & angled – 5 each. Reusable Cable for Bipolar Forceps – 5 nos.
Set of Electrodes (long and short, Ball & Loop) – 5 nos. each (Totel - 20) Reusable Monopolar cable for connecting to Lap instruments. (Two) Reusable Bipolar cable for connecting to Lap instruments. (Two).
Laparoscopic desposable vessel sealing hand instruments (34 – 44cms) 5 pieces each.
Maryland Jaw vessel sealer 5mm (34-44cms) eg. 37cms.
Double action Jaw vessel sealer 5mm (34-44cms) eg. 37cms.
Disposable vessel sealing hand instruments for open surgery (18-28cms) eg. 23cms.
Maryland Jaw vessel sealer 5mm (18-28cms) eg. 23cms.
Curved Jaw (16.5 seal) scissor type open surgery instrument with separate control for seal & cut.

Terms & Conditions:

Guarantee/Warranty for Five years & CMC/AMC for another Five years after expiry of Guarantee/Warranty.
Rates for consumables should be quoted separately..
List of installations especially in Government Hospital should be submitted with performance certificate.
Compliance certificate should be enclosed.
Specifications should be marked/highlighted in the Technical/Detailed.
Catalogue as per the compliance. Demonstrations should be given if required. Should have service centre in Delhi.

19. OT- TABLE REMOTE OPERATED

1	It should be a mobile universal electric /electro-hydraulic operating table with 5 section table top. Having specialized accessories for General Surgeries. The table should be hundred percent oil free
2	Should have st. steel column with integrated table top, all powered motorized movements including Trendelenburg / Anti-Trendelenburg / Lateral Tilt / Back Section / Back Lift for sitting position must happen with electric / electro-hydraulic drives.
4	Should have removable and interchangeable head and leg sections with an auto-locking mechanism to suit different functions and orientation identifiable by handset
5	The system should be modular and should have mechanically encoded coupling joints.
6	The system should have electrical and functional impact prevention safety with microprocessor and linear and angular position sensors avoid collisions between the motorized sections and the table or the floor
7	Table should be equipped with a motorized table top slide of approx. 300-400mm or more
8	All table positions height, lateral tilt, back, trendelnburg, reverse trendelenburg and zero leveling, longitudinal sliding, table base locking and unlocking should be electro-hydraulically operated using a touch switches on hand held controller. It should also indicate the patient orientation as reverse / normal.
9	Should have automatic 0 (Horizontal) position switch on hand held controller.
10	The table should be equipped with both electronic override control panel embedded in the centre column body offering all the controls as in the hand held controller. Should also have manual back-up from foot operated system
11	Table top reconfiguration should be quick and uncomplicated. Should have head rest with gas spring, double articulation type up/down -45 / +45 degree and pair of Split LEGwith Abduction facility and leg section up/down* -90/ + 90 deg.
12	Should have latest Cordless Bluetooth Hand Control for all Powered motorized / electro-hydraulic movements.Should also have min. two to maximum six memory position selectable by surgeon for pre-determined table positions e.g. Beach Chair
13	Fully charged 2x sealed gelified-lead 12V batteries should be sufficient for full week operative schedule. The centre column panel/base hand held controller should indicate the charging status and table battery status. Should be operational while batteries being recharged
14	The table should have heavy duty minimum antistatic large swivel castors with central hydraulic locking.
15	The table top should be made up of scratch-less X-Ray C-Arm translucent material and should provide full access for C-arm permitting high quality images and should allow easy X-ray with cassette holder bracket through the entire length of table
16	Should be Radiolucent no metallic cross links between the bars. Table top frame, coupling points and standard rails should be resistant to disinfectant agents and constructed with easy-to-clean St. Steel.
17	The base column should have cover of stainless steel and should prevent the ingress of fluid protection by PVC bellows
18	Should have moulded, antistatic with no seams, Polyurethane foam Mattress with easy to fix Velcro system to stop slippage. Mattress must be Latex free.
19	Table electronics should allow table to be connected remotely for diagnostics and maintenance service saving time for productive surgery

20	Should have safe patient weight load capacity of at least 250kg or more in all position. The stationary patient weight capacity should be 350kg or more. The literature should support both types of weight capacities.
21	The table should have additionally a foot operated controls unit for Trendelenburg / Antitrendlenburg, tilt and height
	Table SPECIFICATIONS: + 5% deviation is allowed
a	Height adjustment: min. 580-680 mm, max. 1000-1200 mm
b	Side tilt: min, 18-20 degree
c	Back (seat) section adjustment: -40 degree to + 80 degree
d	Trendelenburg adjustment : 30-40 degree
e	Reverse Trendelenburg adjustment : 25-40 degree
f	Max. width : Min. 520-580 mm with rails
g	Overall length : 200-220 cm
h	Motorized Longitudinal slide of 250-300mm
i	Flex / reflex: 220 degree /120 degree
j	Kidney break /bridge elevation > 4inches
k	Power input to be 220-240 VAC, 50 Hz fitted with Indian plug
	SET of accessories from same source as table:
i	Arm positioning support with radiolucent pad and clamps – One pair
ii	Shoulder supports with Clamps-One pair
iii	Anesthesia Screen – 1 no.
iv	Infusion pole – 1 no.
v	Body strap with locking Clamps – 2nos. (One Large and One Extra large)
vi	Raised arm Support - One
vii	Simple Lateral support with rectangular rubber pads-One pair
viii	Lithotomy Goepel Leg Support with Ball socket joint movement – One pair
ix	Adjustable instrument st. steel table, bridge shaped with clamp- One
x	Head Gel Pad ring- 1nos. – adult and pediatric each.
xi	Set of Visco / Gel 3D pads for supporting: Chest flat Roll, Sacral pad, heels pads (Pair) – each.
	Terms and conditions
1	**Deleted**
2	In case the table is imported the accessories must also be imported with the table and must not be locally sourced.
3	The quoted equipment should be having US-FDA/ European CE Certification. approval.
4	Original catalogue and literature to be enclosed.
5	The vendor should have a good service and application back up along with instruments to provide an effective trouble shooting and support. (response time < 24 hours)
6	All technical bids comparative statement to the tender specifications must be enclosed along with reference no., paragraph no. from original catalogue of the equipment.
7	Demonstration should be provided , if asked for

20. Video Laryngoscope (Adult and Pediatric)

1) Portable video laryngoscope for intubations with minimal manipulation of head and neck for Adult and Pediatric
2) Should have CMOS camera
3) Should have fog free medical- Optical polymer
4) Should have suitable view angle to visualize glottis without neck and head manipulation, erganomically.
5) Color video monitor.
6) Cold light source.

FLEXIBLE FIBEROPTIC LARYNGOSCOPE

1. The working length of the fibre scope should be approx 30 cm
2. Range of bending at the tip should be minimum 120 degree up and 60 degree down.
3. Outer Channel diameter 5 mm or more
4. Channel 2mm or more
5. Leak test facility.
6. Handle should be light weight

COLOUR MONITOR:

15" Colour Monitor – Medical Grade

LIGHT SOURCE:

- Compatible light source 150-250W Halogen/LED/Xenon
- Automatic light adjustment to maintain optimum brightness

RECORDER:

- Storage of video sequences of CD ROM
- Automatic Light adjustment to maintain optimum brightness

Suitable TROLLY

Section – VIII
Quality Control Requirements

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

Tender Reference No.
Date of opening
Time
Name and address of the Tenderer:
Note: All the following details shall relate to the manufacturer(s) for the goods quoted for.

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

02 Plant and machinery details
03 Manufacturing process details
04 Monthly (single shift) production capacity of goods quoted for
- (a.) normal
- (b.) maximum

05 Total annual turn-over (value in Rupees)
06 Quality control arrangement details
- (a.) for incoming materials and bought-out components
- (b.) for process control
- (c.) for final product evaluation

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

08 Details of staff
- (a) technical
- (b) b skilled
- (c) c unskilled

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

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

2. (a) The Manufacturer should have supplied and installed in last Five years from the date of Tender Opening, **at least 25%** of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.

2 (b). The Tenderer 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 per Section-XIX of the TE document.

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

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

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

(3.) 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.

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

(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.

(6.) The Tenderer shall furnish copy of all Purchase Orders (complete with specifications and prices) in their Technical Bid for the same model supplied to Govt. Hospitals/PSU Hospitals/UN Agencies/Govt. Labs/Corporate Hospitals in the last one year from the date of Technical Bid opening.

PROFORMA 'A'

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

Section – X
TENDER FORM

Date_____

To

Director,
Tomo Riba Institute of Health and Medical Sciences,
Naharlagun,
Arunachal Pradesh-791110.

Ref. Your TE document No. _____dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____, 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 schedule(s), attached herewith and made part of this tender.

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

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

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

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

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

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

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer_____**

Date: _____ **Seal of the Tenderer_____**

SECTION – XI PRICE SCHEDULE

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5						6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Currency)						
				FOB/FCA price at port/ airport of Lading (a)	Carriage & Insurance (port of loading to port of destination) and other Incidental costs (b)	CIP Price (name place/port of destination in India (c)	Loading & unloading at name place/port of entry in India + local transportation and storage to the consignee site + Extended Insurance for a period including 3 months beyond date of delivery (d)	Incidental Services (including installation, commissioning, supervision, demonstration & training) at consignee's site (e)	Unit Price on CIP Port of destination + Extended Insurance+ local transportation and storage at consignee site) (f)=c+d+e	Total price on CIP Port of destination + Extended Insurance+ local transportation and storage at consignee site) 4X 5 (f)

Total CIP Price in words: _____

Bidder must specify Custom Duty : INR.....

Bidder must specify IGST: INR.....

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. The Tenderer will be fully responsible for the safe arrival of the goods at destination (consignee site) in good condition as per CIP at Consignee's site
4. Custom Duty & IGST quoted as applicable as per Item HSN Code will be added to Total CIP Price to arrive at Price at consignee site for evaluation purpose.
5. Specify HSN Codes : ( ).

Indian Agency Commission - ___% of FOB/FCA.

Name_____
Business Address_____
Signature of Tenderer_____
Seal of the Tenderer_____

Place: _____
Date: _____

For price bid evaluation bidder must quote actual custom duty and IGST as applicable on the imported equipment offered.

Note : Reimbursement of Custom Duty & IGST: The Custom Duty & IGST amount as mentioned in the price schedule in INR will be compared with the actual total Custom Duty amount paid to custom department & actual IGST paid and the same will be reimbursed to the supplier as per the following:

a). If the custom duty & IGST amount as mentioned in the price schedule is **equal** to the actual total custom duty amount levied by the custom department & actual IGST paid, the actual total custom duty amount levied by custom department & actual IGST paid shall prevail and reimbursed to the supplier in INR accordingly on submission of original documentary evidence.

b). If the custom duty & IGST amount as mentioned in the price schedule is **more** than the actual total custom duty amount levied by the custom department, the actual total custom duty amount levied by custom department & actual IGST paid shall prevail and reimbursed to the supplier in INR accordingly on submission of original documentary evidence.

c). If the custom duty & IGST amount as mentioned in the price schedule is **less** than the actual total custom duty amount levied by the custom department and the actual IGST paid, the custom duty amount and IGST as mentioned in the price schedule shall prevail only and reimbursed to the supplier in INR accordingly.

SECTION – XI PRICE SCHEDULE

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

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

*** After completion of Warranty period**

NOTE:-

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

SECTION XI – PRICE SCHEDULE
D) PRICE SCHEDULE FOR TURNKEY

Schedule No.	BRIEF TURNKEY DESCRIPTION OF GOODS	CONSIGNEE	Turnkey price

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

SECTION – XII
QUESTIONNAIRE

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

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

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

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

SECTION – XIII
BANK GUARANTEE FORM FOR EMD

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

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

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

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

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

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

(Signature of the authorised officer of the Bank)

Name and designation of the officer

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

SECTION – XIV
MANUFACTURER'S AUTHORISATION FORM

To

Director,
Tomo Riba Institute of Health and Medical Sciences,
Naharlagun,
Arunachal Pradesh-791110.

Dear Sirs,

Ref. Your TE document No _____, dated _____

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

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

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

Yours faithfully,

[*Signature with date, name and designation*]
for and on behalf of Messrs_____

[*Name & address of the manufacturers*]

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To
Director,
Tomo Riba Institute of Health and Medical Sciences,
Naharlagun,
Arunachal Pradesh-791110.

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

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

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

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

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

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

SECTION – XVI
CONTRACT FORM - A

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

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

Contract No_____ dated_____

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

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

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

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

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

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

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

(2.) Delivery schedule
(i) Details of Performance Security
(ii) Quality Control
(a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
(b) Designation and address of purchaser's inspecting officer

(iii) Destination and despatch instructions
(iv) Consignee, including port consignee, if any
(3.) Warranty clause
(4.) Payment terms
(5.) Paying authority

_____

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____

Place: _____

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

Annual CM Contract No._____ dated_____
Between

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

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

In continuation to the above referred contract

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) _____

(a) 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.

(b) 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).

(c) 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.

(d) 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.

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

(f) 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.

(g) 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.

(h) **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.

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

_____

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

Received and accepted this contract

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

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

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

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

(1) Contract No. & date :_____

(2) Supplier's Name :_____

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

(4) Name of the item supplied :_____

(5) Quantity Supplied :_____

(6) Date of Receipt by the Consignee :_____

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

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

(9) Seal of the Consignee :_____

SECTION – XVIII

Proforma of Final Acceptance Certificate by the Consignee

No_____
Date_____

To
M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity: _____

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

(f) Name of the vessel/Transporters:_____
(g) Name of the Consignee:_____
(h) Date of commissioning and proving test:_____

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

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

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

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is
The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

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

Explanatory notes for filling up the certificate:

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

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

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

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

SECTION – XIX
AFFIDAVIT/UNDERTAKING

I/ We have read and understood the instructions and the terms and conditions contained in the document. I/We accordingly accept all terms and conditions of the tender enquiry document including the essential conditions specially incorporated in the tender enquiry like terms of terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law. I/ We confirm that we do not stand deregistered/debarred/banned/blacklisted by any Govt. Authorities. I/ We do hereby declare that the information furnished/ uploaded is correct to the best of my/our knowledge and belief. I/We hereby certify that the prices offered by us in this tender is not higher than the prices we had offered to any other Govt. of India Organisation(s)/PSU(s) during the last one year and shall provide the justification for reasonableness of our offered price whenever asked during evaluation of our submitted bid. I/ We also hereby certify that if at any time, information furnished by us is proved to be false or incorrect; I/ We are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

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

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

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

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

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
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?			
16.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			

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

N.B.

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

(Signature with date)

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

(Name, address and stamp of the tendering firm)

Section – XXI
Consignee List

Purchaser and Consignee	Medical Institutions	Contact Address.
	Director, Tomo Riba Institute of Health and Medical Sciences, Naharlagun, Arunachal Pradesh-791110.	Director, Tomo Riba Institute of Health and Medical Sciences, Naharlagun, Arunachal Pradesh-791110.

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