GLOBAL TENDER ENQUIRY

FOR PURCHASE OFMEDICAL EQUIPMENTON BEHALF OF

G.B. PANT HOSPITAL AN INSTITUTE UNDER
DEPARTMENT OF HEALTH & FAMILY WELFARE
GOVT OF NCT OF DELHI

HLL/PCD/GNCTD/10/GBPH/14-15

BY

HLL LIFECARE LIMITED

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SECTION I

NIT No: HLL/PCD/GNCTD/10/GBPH/14-15 **Dated: 31.07.2014**

NOTICE INVITING TENDERS (NIT)

1. Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf ofG.B. Pant Hospital,an Institute under Department of Health & Family Welfare, Govt. of NCT of Delhi, invites online eTenders, from eligible and qualified tenderers for supply of following Medical Equipment:

Sl. no.	Tender ID	Description	Qty.	Tender Fees (Rs.)	EMD Amount (Rs.)	Date & time of Prebid meeting	Date & time of closing of online tender	Closing date & time for submission of physical Tender	Date & time of opening of tender
1	2014_HFWD_61971_1	Variable Stiffness Adult Video Colonoscopy system	3	3,000	420,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
2	2014_HFWD_61971_2	Tissue Embedding Station	1	500	16,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
3	2014_HFWD_61971_3	Semi-Automated Rotary Microtome	2	500	40,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
4	2014_HFWD_61971_4	Flat Panel Single Plane Cardiac Cath-Lab along with Accessories	1	3,000	900,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
5	2014_HFWD_61971_5	4D (Live 3D) Echocardiography Color Doppler system	2	3,000	320,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
6	2014_HFWD_61971_6	Mechanical Chest Compressor	1	500	24,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
7	2014_HFWD_61971_7	Video Polysomnography Lab System	2	1,000	120,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
8	2014_HFWD_61971_8	Digital EEG Machine - 32 Channel	2	1,000	56,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
9	2014_HFWD_61971_9	ICU EEG	1	500	34,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM

Sl. no.	Tender ID	Description	Qty.	Tender Fees (Rs.)	EMD Amount (Rs.)	Date & time of Prebid meeting	Date & time of closing of online tender	Closing date & time for submission of physical Tender	Date & time of opening of tender
10	2014_HFWD_61971_10	EMG/ EP/ NPV Machine	1	1,000	70,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
11	2014_HFWD_61971_11	Mobile C- Arm image Intensified with DSA	1	2,000	190,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
12	2014_HFWD_61971_12	Fully Automated Bio Chemistry Analyzer including a back-up machine of same configuration	1	2,000	160,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
13	2014_HFWD_61971_13	Ambulatory 24 hours oesophageal impedence and pH metry system	1	500	20,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
14	2014_HFWD_61971_14	Fully Automated Endoscope Reprocessor (Endowasher)	1	500	30,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM
15	2014_HFWD_61971_15	Mycobacterium culture differentiation and drug sensitivity system	1	1,000	84,000	12-08-14 2:00 PM	08-09-14 6:00 PM	09-09-14 1:00 PM	09-09-14 2:00 PM

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 Delhi E-governance society and deposit it at E-procurement help desk room. The details of payment can be obtained from help desk.

   In order to submit the bids electronically bidders are required to have type-II Digital Signature Certificate. Digital Signature can be obtained from any of the certifying agency.

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

   (i) Tender Fee and EMD

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

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 or Declaration in case of 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).

4. All prospective tenderers may attend the Prebid meeting for the above tenders, to be held at **Auditorium Hall, Near Gate No. 2, G.B. Pant Hospital, New Delhi on 12-08-2014 at 02:00 PM.**

5. Tenders in desired Physical Form to be submitted in the tender box provided at the address mentioned in para 3 above.

6. 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 of various hospitals under Govt. of NCT of Delhi.

7. Tenderer may download the tender enquiry documents from the web site www.lifecarehll.com or www.govtprocurement.delhi.gov.in and submit its tender online after logging in to their user ID at www.govtprocurement.delhi.gov.in.

8. 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 **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before the closing date and time indicated above, failing which the tenders will be treated as late and rejected.

9. 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.

Head (P&CD)
HLL Lifecare Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

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

1.3 Abbreviations:

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

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

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

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

6. Eligible Goods and Services

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

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 for the Tenderers
- Section XXI – Consignee List

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

9. Amendments to TE documents

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

9.2 Such an amendment will be notified in the referred websites 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 pre-bid meeting.

10.2 Each prospective Tenderer can attend the Prebid meeting mentioned in para 4 in Section I with maximum 2 persons duly authorized by Tenderer.

C. PREPARATION OF TENDERS

11. Documents Comprising the Tender

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

(i) Tender Fee, EMD, Pre-qualification as per checklist section XIX (Both online and physical) and as mentioned in para A) below.
(ii) Technical Bid (Both online and physical)
(iii)Price Bid (Only online).

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

A) <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.

iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.

iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form. **While giving authorization to agent, to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.**

v) Deleted.

vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.

vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.

viii) Deleted

ix) Certificate of Incorporation.

B) Price Tender:

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

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

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

Note:

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

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

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

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

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

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

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

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

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

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

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

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

b)The amount of freight and insurance

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

d) Deleted

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

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

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

h) The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 Additional information and instruction on Duties and Taxes:

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

13.5.2 Excise Duty:

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

13.5.3 Sales Tax:

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

13.5.4 Octroi Duty and Local Duties & Taxes:

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

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

13.5.5 Customs Duty:

The Purchaser will pay the Customs duty wherever applicable.

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

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

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

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

14. Indian Agent

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

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

15. Firm Price

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

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

16. Alternative Tenders

16.1 Alternative Tenders are not permitted.

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

16.3 Only one tenderer is permitted to quote for the same manufacturer irrespective of models

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

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

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

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

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

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

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

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

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

20. Tender Validity

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

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

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

21. Signing and Sealing of Tender

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

21.2 Deleted

21.3 The original 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.

21.4 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.

21.5 Deleted.

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

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

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 or Declaration in case of 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 Financial Bid along with the physical form of tender. In case the hard copy of financial bid is submitted in physical form, the tender shall be straightway rejected. Also, uploading of the price bid in prequalification bid or technical bid will result in rejection of the tender.

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 **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201 307, Uttar Pradesh**.

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

27.3 Deleted

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

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

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

28. Minor Infirmity/Irregularity/Non-Conformity

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

29 Discrepancies in Prices

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

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

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

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

30. Discrepancy between original and copies of Tender

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

31. Qualification Criteria

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

Deleted.

34. Comparison of Tenders

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

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

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

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

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

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

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

36. Tenderer's capability to perform the contract

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

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

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

42.3 The Purchaser/Consignee 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 anything 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	26
B	8 to 10	TE documents	No Change	26
C	11 to 21	Preparation of Tenders	Change	26
D	22 to24	Submission of Tenders	Change	26
E	25	Tender Opening	No Change	26
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	26
G	38 to 45	Award of Contract	No Change	26

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.

Preparation of Tenders

Tender currencies

(i) The tenderer quoting for **items at sl. no. 2, 6, 13 and 14 shall quote in Indian Rupees only**. There will not be any CDEC issued against these items.

Submission of Tenders

(i) The following documents shall be prepared and scanned in different files (in PDF or JPEG format as prescribed) and uploaded during the on-line submission of Proposal. These documents shall also be submitted in '**ORIGINAL**' to HLL Lifecare Ltd before the prescribed date & time for submission of Proposals.

a) Demand Draft towards Tender Fee in favour of HLL Lifecare Ltd

b) EMD in the prescribed format in favour of HLL Lifecare Ltd

c) Technical Data Sheet and original technical literature/ Brochure (if any)

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

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

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

(v) 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 and 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, trademarks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.

4. Country of Origin

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

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

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

5. Performance Security

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

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

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

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

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

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

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

6. Technical Specifications and Standards

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

7. Packing and Marking

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

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

7.3 Packing instructions:

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

a. contract number and date
b. brief description of goods including quantity

c. packing list reference number
d. country of origin of goods
e. consignee's name and full address and
f. supplier's name and address

8. Inspection, Testing and Quality Control

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

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

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

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

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

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

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

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

9. Terms of Delivery

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

10. Transportation of Goods

10.1 Instructions for transportation of imported goods offered from abroad:

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

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

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

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

11. Insurance:

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

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

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

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

12. Spare parts

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

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

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

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

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

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

13. Incidental services

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

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

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

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

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

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

(i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
(ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
(iii) Two copies of packing list identifying contents of each package;
(iv) Inspection certificate issued by the nominated Inspection agency, if any.

(v) Certificate of origin;
(vi) Insurance Certificate as per GCC Clause 11.
(vii) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

B) For goods imported from abroad

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

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

15. Warranty

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

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

a. No conditional warranty will be acceptable.
b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following wherever applicable:-
   - Any kind of motor.
   - Plastic & Glass Parts against any manufacturing defects.
   - All kind of sensors.
   - All kind of coils, probes and transducers.
   - Printers and imagers including laser and thermal printers with all parts.
   - UPS including the replacement of batteries.

- Air-conditioners

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

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

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

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

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

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

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

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

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

16. Assignment

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

17. Sub Contracts

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

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

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

18. Modification of contract

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

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

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

19. Prices

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

20. Taxes and Duties

20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser. 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 XVII in original issued by the authorized representative of the consignee;
(iii) Two copies of packing list identifying contents of each package;
(iv) Inspection certificate issued by the nominated Inspection agency, if any.
(v) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
(vi) Certificate of origin.

b) On Acceptance:

Balance 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:

Eighty (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, BUREAU VERITAS and TUV prior to despatch.

b) On Acceptance:

Balance payment of 20% of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any. 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 as indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation/ exchange variation.

D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

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

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

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

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

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

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

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

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

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

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

22. Delivery

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

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

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

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

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

(a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
(b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
(c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

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

22.6 Passing of Property:

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

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

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

23. Liquidated damages

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

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

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of , the party claiming to be affected by such event and which has caused the non –

performance or delay in performance. Such events may include, but are not restricted to, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees , lockouts excluding by its management, and freight embargoes.

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

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

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

27. Termination for convenience

27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee 's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate inter alia, 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 arbitrator appointed by the Secretary, Department of Health & Family Welfare, Govt. of NCT of Delhi. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakh (Rs. 1,00,000/-)

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

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

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

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

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

33. General/ Miscellaneous Clauses

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

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

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

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

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

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

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

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

The Warranty and CMC period will be strictly as mentioned in the list of requirement (Section VI, part I) only irrespective of any other period mentioned elsewhere in the tender enquiry. Also, CMC only to be quoted after warranty period instead of AMC mentioned (if any) in the tender specification.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Tender ID	Name of the equipment	Department	Qty.	Warranty Period	CMC Period
1	2014_HFWD_61971_1	Variable Stiffness Adult Video Colonoscopy system	Gastroenterology	3	2 years	2 years
2	2014_HFWD_61971_2	Tissue Embedding Station	Pathology	1	5 years	5 years
3	2014_HFWD_61971_3	Semi-Automated Rotary Microtome	Pathology	2	5 years	5 years
4	2014_HFWD_61971_4	Flat Panel Single Plane Cardiac Cath-Lab along with Accessories	Cardiology	1	5 years	5 years
5	2014_HFWD_61971_5	4D (Live 3D) Echocardiography Color Doppler system	Cardiology	2	5 years	5 years
6	2014_HFWD_61971_6	Mechanical Chest Compressor	Cardiology	1	5 years	5 years
7	2014_HFWD_61971_7	Video Polysomnography Lab System	Neurology	2	5 years	5 years
8	2014_HFWD_61971_8	Digital EEG Machine - 32 Channel	Neurology	2	5 years	5 years
9	2014_HFWD_61971_9	ICU EEG	Neurology	1	5 years	5 years
10	2014_HFWD_61971_10	EMG/ EP/ NPV Machine	Neurology	1	5 years	5 years
11	2014_HFWD_61971_11	Mobile C- Arm image Intensified with DSA	Neurosurgery	1	5 years	5 years
12	2014_HFWD_61971_12	Fully Automated Bio Chemistry Analyzer including a back-up machine of same configuration	Biochemistry	1	5 years	5 years
13	2014_HFWD_61971_13	Ambulatory 24 hours oesophageal impedence and pH metry system	Gastroenterology	1	5 years	5 years
14	2014_HFWD_61971_14	Fully Automated Endoscope Reprocessor (Endowasher)	Gastroenterology	1	5 years	5 years
15	2014_HFWD_61971_15	Mycobacterium culture differentiation and drug sensitivity system	Microbiology	1	5 years	5 years

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 to delivery at consignee site. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

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

b) For Imported goods directly from foreign:

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

Installation and commissioning shall be done within two weeks (eight weeks in case of Flat Panel Single Plane Cardiac Cath-Lab along with Accessories) of receipt of the stores/ goods at site or within two weeks (Flat Panel Single Plane Cardiac Cath-Lab along with Accessories) of handing over the site for installation, whichever is later.

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

Warranty period as per details in general technical specification and as specified in Part I above. Warranty period will start from the date of installation, commissioning and acceptance and shall remain in force for a period as specified in part I above or 6 months beyond the aforesaid period from the last date of shipment/dispatch, whichever is earlier.

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

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

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

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

Destination/Consignee details are given in Section XX

Section – VII
Technical Specification

Item No. 1

Variable Stiffness Adult Video Colonoscopy System

To include:

- Adult Video Colonoscope (3 No.)
- Compatible Video Processor (1 No.)- high resolution imaging capacity. HDTV compatible, DV out function, capable of special imaging like NBI/FICE/I-Scan
- Compatible Xenon Light Source {300 Watts} (1 No.) with spare/extra Xenon bulbs (2 No.)
- Compatible 26" high resolution, full HD LCD Monitor (1 No.) with adjustable ceiling-mount/wall-mount facility
- Portable high quality Trolley for the whole system; Biopsy channel rubber valves (50 pieces)
- Compatible **scope guide system** to display entire scope configuration (1 No.)
- **Other inclusions:** All standard accessories, Air Leakage Tester, User/Operator & Reference Manuals. A fully loaded Windows 8 based Desktop PC [for storage of data & reports; & Printing on demand] (At least 500 GB hard disk, core-i7, 4 GB RAM, DVD/CD read & rewritable capabilities, keyboard, mouse, 19" LCD monitor, UPS, color laser printer with scanner, High quality anti-virus software with 5 years single time/renewable subscription, Two USB based portable external hard disks {2 TB each} to maintain data back-up, One set of good quality multi-rack Computer table with good quality computer chair; & computer should be loaded with hardware & software direct digital recording of image and video output from the processors)

Details regarding the Adult Video Colonoscope

- **Optical System**
  Field of View: 140 degree or more
  Depth of View: 3-100 mm or better
  CCD: High resolution Color chip of latest technology, HDTV imaging quality
- **Distal End (OD): 14 mm or less**
- **Bending section (Range of distal end bending)**
  Up: 180 degree or more
  Down: 180 degree or more
  Right: 160 degree or more
  Left: 160 degree or more
- **Insertion tube (OD): 13 mm or less**
- **Working Length: 1600-1800 mm**
- **Instrument Channel (ID): 3.7 mm or more**
- **Stiffness control:** Graduate dial to0 manually control shaft stiffness

Comprehensive warranty of 2 years followed by 2 years of free AMC
Compulsory provision for loaner endoscope within 48-72 hours of detection of any major breakdown/ defect in the endoscope system

Item No. 2

Tissue Embedding Station

1. Compact table top system with illumination for specimen orientation and paraffin embedding
2. Microprocessor controlled with paraffin reservoir, dispensing unit, cooling unit and pre-warming unit with separate controls and display for each module.
3. Paraffin reservoir capacity at least 3 litre to be able to make 300 blocks.
4. Paraffin reservoir temperature setting range from 45c to 70c or better.
5. Separately heated paraffin dispenser with temperature 45c to 70c or better.
6. Large heated storage area for all sizes of cassette molds with capacity to hold 50 blocks.
7. Cold plate area to accommodate 40-60 block.
8. Cassette bath temperature programmable from 55c to 70c and capacity to store at least 70 cassettes.
9. Mold warmer temperature 45c to 70c or better.
10. Work surface temperature from 45c to 70c or better, should have pores for drainage of excess molten wax along with paraffin collection tray for excess molten wax
11. Should have a protecting edge at the side of the warm surface area.
12. Cold plate temperature -5c or better. Paraffin reservoir cassette bath mold warmer and work surface temperature should be individually temperature adjustable.
13. Paraffin flow rate adjustment should be available up to 100% flow. With facility for manual control of paraffin flow by easily operable switch.
14. Automatic switch on /off of the instrument with option of programming for the day / time preferable
15. Should have forceps warmer, along with electrically heated forceps.
16. Should include standard accessories.
17. Electrically heated forceps -2.
18. Stainless steel base molds of sizes 7x7x5mm; 15x15x5mm; 24x24x5mm: 30x24x5mm 37x24x5mm; 24x12x12-12 pcs each.
19. Metal lids for embedding cassettes -100.
20. Power supply AC 220-240 Vs 50Hz
21. Warranty of 5 years and subsequent 5 years AMC as per the rules.
22. List of installations in Delhi Govt institution for the same model /make of the quoted item (not the list of general users) along with performance and satisfactory after sales certificates.

23. Bidder should gave compliance statement point wise showing / highlighting items pan no/serial number as quoted in their quotation for comprehensive technical comparison. Proof of compliance should mention in the catalogue.
24. Multiple models with higher specifications should be quoted as separate models in the bids. Compactable UPS with one hour back up.

Item No. 3

Semi-Automated Rotary Microtome

1. High precision machine suitable for both delicate as well as hard tissue sectioning.
2. Mechanical automated feeding system with stop function to allow the specimen in a defined feed position.
3. Integrated lockable hand wheel capable of being locked in any desired position
4. Section thickness via precision stepping motor from 1 to 60 micron.
5. Trimming thickness from 1-2 micron onwards with provision of step trimming.
6. Horizontal feed of approximately 28-30 mm vertical specimen stroke approximately 70mm.
7. Stable blade holder to ensure that no vibrations occur when section is being cut.
8. Specimen retraction of varying microns. Specimen retraction should occur in return stroke.
9. Facility for precise specimen orientation in horizontal and vertical directions.
10. Standard adjustable quick release specimen/cassette clamp can hold specimen blocks up to 60mm.
11. Spacious removable section waste tray for easy cleaning.
12. Knife angle position locking facility.
13. Universal knife holder base and knife holders for high and low profile disposable blades holder for disposal knives (both low and high profile) as well as steel knives to be provided.
14. Control panel with LED digital display of section thickness, trimming thickness and cutting strokes.
15. Spare low and high profile blades in dispenser pack of 50 blades. 20 packets each and Microtome Lubricant oil 5 Bottles. Spares to be provided by part wara
16. Standard tools & accessories required for the working of the equipment
17. Service and Operator Manual
18. Instrument should be supplied with suitable UPS with power backup with 5 year warranty and subsequent year AMC.
19. A list of installations along with the certificate of satisfactory working and after sales service to be provided preferable from teaching medical colleges in NCR.

Item No. 4

Flat Panel Single Plane Cardiac Cath-Lab along with Accessories

Latest state of the art, single plane floor / ceiling mounted C-arm

Latest state of the art, single plane floor / ceiling mounted C-arm / G-arm Cardiovascular Angiography system with flat detector technology digital imaging system for diagnostic procedures and interventional cardiovascular procedures, valvuloplasty and vascular Angiography, online DSA and cardiovascular electrophysiology.

1.0 C-Arm / G Arm Multi-directional floor/ceiling mounted

1.1 All movements should be motorized with C-Arm angulations of minimum RAO/LAO + 110 deg. / -110deg. CARN/CAUD + 45 deg. At head end position. With 20 deg./sec. or more speed for LAO/RAO AND 15 deg./sec or more speed for CARN / CAUD.

1.2 The system for user defined 50 programmed position of the C-arm.

1.3 Manual/motorized parking of C-Arm in case of catastrophe for resuscitating the patient

1.4 Motorized peripheral position for peripheral and vascular intervention should be available it should be possible to position the C-arm on the left side as well as on the right side of the patient.

1.5 The C- arm should have auto collision protection with patient, monitors and the table.

1.6 It should be possible to have head to Toe coverage without patient repositioning.

2.0 Table

2.1 Floating/Floor mounted with carbon fiber tabletop with easy patient transport capability

2.2 Accessories for table should include head fixing aids, mattress, radiolucent carbon fibre arm support, catheterization arm support for radial angiography, drip stand, peripheral filer set.

2.3 Maximum patient weight = 150kgs or higher with additional weight for atleast 100 kgs during resuscitation

2.4 It should have rotating facility

3.0 X-Ray Generator

3.1 100 KW or more compatible with high resolution imaging

4.0 X-Ray Tube:

4.1 X-Ray tube should be with fine focal spot (small & large) with high cooling rate to ensure continuous operation, capable of pulsed fluoroscopy on both focal spots. The large focus power output should be 80 Kw or more. The Pulse Flouroscopy should be offered with pulse rate of 10 frame / sec to 30 frames/sec

4.2 The X-Ray tube should have Anode heat storage capacity of at least 2.0 MHU or more to run continuously for 6-8 hours without shutting off.

5.0 Radiation protection:

5.1 The system should have integrated computer controlled (preferably automatic) X-Ray Beam filtering with copper filters of various size from 0.2 mm to 0.9mm. Please list the special filters available.

5.2 The system should have positioning of collimator blades without radiation.

5.3 The system should have monitoring and display of X-Ray dose during the patient examination. It should be possible to create a DICOM based dose report of the patient.

5.4 System should meet all National & International safety standards & comply with BARC & AERB guidelines.

6.0 Digital imaging System:

6.1 A flat detector with a diagonal size of at least 24 cm. Please mention pixel size. The smaller pixel size will be preferred.
6.2 Digital system with acquisition and processing in 1024x1024 matrix at 25/30 fps with 10/12 bit digitization
6.3 Image storage capacity of at least 50.000 images in 1024 x 1024 matrix at 10/12 bits on the main system disk
6.4 System should have capability of ECG display on the live image monitor and archive the ECG display along with angio images on CD, during the acquisition.
6.5 System should have on-line & off-line validated coronary analysis and ventricle analysis program. The software should have Auto calibration facility for stenosis measurement with geometrical and densitometry calculations. The analysis should be possible from table side in the examination room and from the control room.
6.6 The system should have full table side control operation with complete acquisition and post processing capabilities.
6.7 The system should have on-line DSA capabilities in 1024 x 1024 matrix with acquisition frame rate of 1 frame/sec to 6 frames/sec.
6.8 The system should have facility for storage of fluoro loop scene of at least 10 seconds
6.9 The system should be quoted with 3D modeling/analysis of coronary arteries.
6.10 The latest complete software and hardware for visualizing stent with extra high-resolution from table side control.
6.11 It should be possible to overlay live fluoro image on reference image on live monitor with fade in fade out.
6.12 Angle and distance measurement facility should be available
6.13 It should have parallel line display cum medical grade monitor in doctors' rooms

7.0 Monitors / Display:
7.1 The monitor display system in examination room should be ceiling suspended and it should be possible to position it on the left or right side of patient table. The monitor suspension system should have facility to place 6 monitors. The system should have six medical grade high resolution TFT/LCD at least 18 inch monitors to display live and reference images, one for patient hemodynamic monitoring, one for EP tracing, one for 3D image display and one for IVUS imaging.
7.2 Two high resolution TFT/LCD monitors for post-processing and reporting in the control room
7.3 One colour monitor for 3D image viewing/processing in control room.

8.0 Digital Archiving
8.1 FDA approved system for recording images on DVD/ CD_R with D1COM Viewer in D1COM 3 format
8.2 Image transfer from digital system in background mode without affecting the system operation.
8.3 USB interface to copy images to memory disk/external hard disk

9.0 3D Acquisition and Cross-Sectional Imaging:

- The 3D Acquisition should offer :
  - 3D Reconstruction and visualization in real time of volume in volume rendering technique (VRT)
  - MPR & MIP
  - It should be possible to create 3D image of left atrium of heart. It should be possible to overlay line fluro image on this 3D image of left atrium for catheter guidance in EP procedure
  - The facility should offer auto segmentation of ventricles / vessels of the entire heart (especially the left atrium with visualization of the pulmonary veins) in automatically

performed one step

10.0 CATH LAB RECORDING SYSTEM

10.1 The following features should be available in the recorder

- 12 Lead ECG Amplifier with floating input
- At least 2 pressures with floating inputs
- Time and amplitude measurement with electronic calipers
- Laser Printer with minimum 16 MB memory with minimum 1200 dpi

10.2 The patient connection box should be easy to install at the patient table in the examination room

10.3 18" color wave form monitor with programmable layout and digital monitoring readout -Two

10.4 A 18" remote colour wave form monitor, to be mounted in the examination room.

10.5 ECG cables and reusable pressure transducers - 5 Nos

10.6 Software should be provided for off line homodynamic calculations such as cardiac output, gradients and shunt estimations.

10.7 One work station for off line Anglo viewing and recording.

10.8 Patient data management for off line one thousand Angio.

11.0 State of art Intra-aortic balloon pump (IABP) system: imported model with following specification (1 No)

A. Pneumatics Drive system: Compressor
Counter pulsation rate: 40-200 pulsations per minute

B. In Automatic Mode of operation user should be in control of the deflation point. In Automatic mode Advance software should automatically adapt the timings for various rhythms and its variations, without any user intervention.

C. Should be able to trigger on 7 mm Hg of Pulse pressure when used in Pressure Trigger mode.

D. On screen indication of standby time and should give alarm after 15-30 minutes, to draw user's attention on the system being on standby.

E. Should have Peripheral Vascular Doppler for detecting limb ischemia, which is attached to the main equipment.

Each System should be supplied with the following:

1. ECG cable with Refillable Helium cylinder compatible with the IABP system Qty.:3 nos
2. Intra-Aortic Balloon Catheter for Adults, Size: 40 cc Qty : 2 nos
3. Intra-Aortic Balloon Catheter for Adults, Size: 30 cc Qty : 2 nos
4. Intra-Aortic Balloon Catheter for Pediatrics, Size: 12 cc Qty : 2 no
5. Intra-Aortic Balloon Catheter for Pediatrics, Size: 10 cc Qty : 2 no
6. Reusable Invasive Blood pressure transducer system with pressure flush device system. Qty: 2 Nos

12.0 Biphasic Defibrillator cum monitor

Three of approved and reputed make - Two of these for the intervention room and one for the recovery room. One of them should have external pacing facility

13.0 ACT machine - One no. with one set of Cartridge

14.0 UPS: Suitable online UPS with 30 min. battery backup for complete Cath Lab including cine and fluoroscopy. Emergency lighting should also be on UPS

15.0 ACCESSORIES to be supplied:

A. State of the art High Pressure Injector –One

B. Ceiling suspended radiation protection - 1 no. (as per international radiation protection system)

C. Table mounted radiation protection - 1 no. (as per international radiation protection system)
D. Integrated two way communication system between control room and examination room.
E. One Laser Network Printer of high resolution (at least 1200 dots per inch) with minimum 128MB memory and 1200 dpi should also be offered for high quality image printing.

16.0 Environmental factors

A. The unit shall be capable of being stored continuously in ambient temperature of 0 - 50 deg C and relative humidity of 15-90%
B. Should meet General Requirements of Safety for Electromagnetic Compatibility.
C. 1. The chosen supplier would be asked to undertake a turnkey Project wherein necessary civil work modifications like False Ceiling, Wall Tiling, Anti-Static Flooring and finishing works would be provided by them under the supervision of the support staff e.g. CPWD (Civil)/electrical etc.
   2. The supplier would also provide the Scrub area and the Catheter wash area.
   3. The supplier also would provide the necessary furniture like tables, computer chairs, cupboards, catheter hang wall mounts etc.
D. 1. Appropriate Air-conditioning would be provided by the supplier and
   Maintained throughout the Warranty period of the cath-lab
   2. The entire Cath-Lab including the Air Conditioning should be connected to the Generator of the hospital.
E. Proper shielding should have to be done by the supplier to minimize radiation leakage as per AERB and BARC regulations.

17.0 Power Supply

A. Power input to be 220-240VAC (Single Phase), /400-440 V (3 Phase)/ 50Hz as appropriate fitted with Indian plug
B. Reset table over current breaker shall be fitted for protection
C. Online UPS of suitable rating conforming to shall be supplied for the entire cath lab system including X-ray generation with a minimum power back up of 30 Minute
D. The Power requirements involve laying a 125 KVA Cable from the substation to the Cath-Lab and making a Bus-Bar and a Power Distribution Board and this would be done by the supplier as a turnkey project under the supervision of the support staffs e.g. PWD (Elect)

18.0 SITE MODIFICATION

a. The necessary site modifications with interiors will have to be done by the supplier
b. Six steel cupboards to store linen, Catheter storage, consumables, and medicines should be provided.
c. Facility for storage of CDs & DVDs and cathlab hard wires to be provided.
d. Whole Cath Lab complex should be centrally air conditioned
e. Other minor issues like voltage fluctuations, cooling, pest control and rodent control is to be taken care of by the cath lab supplier
f. Site layout / plan to be discussed with department and layout /plan copy approved by department to be used
g. Supplier has to state the schedule for site modification and installation of cathlab system and all accessories.

Warranty

a. Comprehensive warranty for 5 years for the complete system and third party item including x-ray tube, Infra aortic balloon pump(IABP) system and other supplied accessories like ACT machine, High Pressure injector etc
b. All steps to be taken to maintain 95% uptake time of the Equipment fowling falling which

penalty clause would be imposed.

20. Standards, Safety and Training

A. Cathlab and each accessory Should be FDA/Candian regulatory body approved product
B. Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements
C. Manufacturer should have ISO certification for quality standards.
D. Shall comply with AERB and BARC guidelines.

21.0 Documentation

A. User manual in English
B. Service manual in English
C. List of important spare parts and accessories with their part number and costing
D. Certificate of Calibration and inspection from the factory
E. 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.
F. List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service /technical manual.
G User List and performance certificate of at least 5 cath labs installation in the past five years from government institutions should be submitted along with the techno - commercial bid.

22. Other requirements

A. Model should be latest gereration.
B. Should have local service facility.
C. comprehensive warranty of the main cath lab system and third party items for 5 years and AMC/CMC of the main oath lab system and third party items for next five years to be provided by the cath lab unit supplier
D. Availability of spares to be ensured for minimum 10 years period
E. The company should provide LAN facility that will provide online as well as off line a of cathlab procedure from other cathlab and from office rooms of three consultants

ANNEXURE-1 SITE MODIFICATION TURNKEY PROJECT
FLAT PANEL SIGNLE PLANE CARDIAC CATH-LAB ALONG WITH ACCESSORIES

1. Supplier would undertake a Turnkey Project for site modification and Installation of Cath Lab as per AERB/BARC regulations after AERB/BARC and/or other concerned authority's approval.

   A typical layout plan (with dimensions) showing the placement of all specified hardware, including camera, consoles, data processing workstation, collimator, cart(s) and any imaging table(s) and rails along with details of computer furniture, conduiting and earthing etc. would have to be provided to the hospital/appropriate authority and approval taken before starting the modifications/renovations.

   Civil work: In the civil work following works are to be undertaken

2. Modifications / Renovations in the existing rooms will be done by the vendor as shown in the layout plan after approval by the Atomic Energy Regulatory Board (AERB).
3. The walls of whole Cath Lab Complex should be finished acrylic/plastic emulsion and should be finished with tiles (of Kajaria/Johnson/Naveen) up to five feet height.
4. The flooring in the Cath Lab complex should be as per AERB regulations. Flooring in all rooms and corridor shall be of vitrified tiles of 60 x 60cm size or other close appropriate size of reputed make like Kajaria/Johnson/Naveen

5. Whole area of Cath Lab Complex as in the layout plan approved by the AERB shall be finished with fire resistant zypcian false ceiling (material used should be of ISI/BIS mark).
6. All the doors should be provided with necessary fittings with hydraulic type door closures (DORMA/ reputed make) and with Mortised locks of Godrej / reputed make.
7. Main door of the Cath Lab complex in the corridor shall be in glazed aluminum with adequate thickness of glass with etching work wherever required.
   Lead Glass window of adequate size will be fixed as per AERB guidelines in the console room.
   Proper signage both external and internal
   Plumbing work has to be carried out as per requirement for scrub area and other areas.
8. The pipes and accessories should be of centrifugally cast iron of ISI make and the connection of existing main hole in the public health shafts shall be done. All water pipes shall be Galvanized iron of TATA equivalent make and filling shall be SUW/UF/UNIK make. The grating shall be chrome plated. All CP fittings shall be of EBONY / Jaguar/ ESSCO.
   Electrical work: The firm is required to specify load requirement i.e. required for the unit, the air conditioning, room lighting and for the accessories, if any. The electrical works/accessories should be conforming to ISI/BIS standards and material should be ISI/BIS mark. The electrical works should have:
9. Minimum two separate Earthing with copper plate is to be provided for the main equipment and air-conditioning equipment as per equipment requirements. The use of earth leakage circuit breaker will be required.
10. A distribution panel of standard make and appropriate capacity is to be provided. The load shall be provided by the hospital. However, from the substation of the hospital to the distribution panel, cable of appropriate size will have to be provided and fixed be the vendor.
11. The switch gears (MCBs/ACBs/MCCBs) should be of Siemens/Hager (L&T) make.
12. L.T. distribution board for MCBs etc. should be of Siemens/ Hager (L&T) make.
13. Electrical wires should be of copper of different capacity as per the load and should be of Finolex/Havells/Polycab/L&T/Lapp Kabel make.
14. Telephone wiring cables should be of Finolex / HaveIls/ Polycab make. Telephones to be provided in all rooms with EPBX system having control in office
15. Modular range Switches / Sockets of MK/ North West should be provided and fixed as per requirement.
16. General lights should be of mirror optic reflector type of Phillips/Wipro/Crompton make. Light dimmers (down lighters) should also be fixed in the equipment room.
17. Ceiling fans/ wall fans to be provided in corridor and in all rooms.
18. Steel conduit of BEC/AKG makes and conduit accessories of RAMA/Fitwell make.
19. Air conditioning: Split Air conditions of reputed make Blue star / carrier /LG / Samsung / General to be provided by the vendor in whole complex as per requirements (to maintain appropriate temperature in the main equipment room & other rooms) and as per regulations of AERB. Standby additional split air condition(s) of appropriate strength/capacity (tonnage) to be fixed in the main equipment room.
    Hygrometer Nos.3 to be provided
    In-built or External De Humidifier in Equipment, Console and Examination rooms to be provided as per room layout

    Fire Protection
20. Non water based fire protection is to be integrated as per requirement. Fire extinguishers of appropriate types conforming to ISI/BIS mark should be fixed in different rooms as per requirement. Heat detectors/hooters/photoelectric/smoke detectors of ISI/BIS mark shall be provided in the rooms and corridors as per requirements. In case the expiry date of fire extinguishers is before the completion of 5 years comprehensive warranty period, extra set(s) of fire extinguishers will be supplied by the vendor till the completion of the 5 years

comprehensive warranty period.

The vendor to also install the following:

21. Audio visual Music systems for patient waiting areas.
22. Ultrasonic Pest& insect repellents to be provided and installed.
23. Music and Public Address system for calling/informing the patients in waiting areas.
24. Storage cupboards made of wood/ply board to be fixed in different rooms as per requirement stated by department at time of installation.
25. As per requirement furniture and fixtures for all the area including chairs of Godrej / Durian reputed make should be provided.
26. Furniture and other items, mentioned as of reputed make, will need approval of the department.
27. **Defect liability:** The works shall be guaranteed for a minimum period of 5 years from the date of commissioning against any defective material/workmanship. The warranty and CMC of the Air conditioners will form part of the main equipment.
    The turnkey work including installation / commissioning of all the turnkey items should be completed within 3 months.
28. Certification to the effect that the work has been executed as per the specifications incorporated in the above document will be by the G.B. Pant Hospital/appropriate authority.

Item No. 5

4D (Live 3D) Echocardiography Color Doppler System

A. **Description of function:** Colour Doppler echocardiography system is required to study the anatomic and hemodynamic abnormalities of the heart and vascular ultrasound.

A high-end 4D system offers live 3D movies of anatomical details of heart and great vessels and better functional assessment

B. Technical Specifications:

1. Latest generation high end & technologically advanced Digital Live Real time 3D Echocardiography system for cardiac applications
2. System should have minimum 50,000 digitally scalable channels for simultaneous formation, acquisition and processing of multiple ultrasound beams and has system architecture to process an entire bandwidth of frequencies form 1MHz to 15 MHz System should support pulse coding and pulse shaping technologies. Please mention number of digital channels in technical bid and highlight same in specification sheet.
3. System should have a dynamic range of minimum 180 DB so that variety of patient sizes can be handled without compromise.
4. System should be capable of supporting second generation LIVE 3D matrix Transducer capable of supporting LIVE 3D image quality on the matrix array transducer with a 3D data processing speed-at 64 mega voxels per second. Please mention 3D Data processing speed in technical bid.
5. System should have Live 3D Echocardiography capability with Color Flow Imaging.
6. System should have extremely high Resolution 2D Imaging, Colour Flow Imaging, M Mode, PW Doppler, CW Doppler, Duplex & Triplex Modes.
7. Should have good Tissue Harmonic Imaging for improved Image quality.
8. Should have the state of the art Transmit Real Time Compound Imaging Technology.
9. Should have advanced Image Processing algorithms to analyse between targets and artifacts so as to sharpen target anatomy and reduce the speckle & artifacts for improved Image quality.

10. Should have extended field of view Imaging of structures, by continuously scanning & moving the Probe over the area of Interest.
11. Should have advanced Tissue Doppler Imaging with high frame rate acquisition of more than 300 frames per second.
12. Should have facility for two dimensional strain rate imaging with longitudinal, radial and circumferential strain rate and strain measurements. Also rotation and torsion measurement to be available.
13. Three dimensional (4D) strain rate imaging and strain measurement to be available in all possible dimensions. Mention in detail in technical bid.
14. Should be able to perform MPR views for Quantification from 3D imaging on Volume measurements like LV volumes, Ejection fraction from 3D Image etc. Also should offer measurement of parameters of cardiac dyssynchrony. Should display global LV volume capability in 4D.
15. Should be able to perform advanced quantification measurements like Stran &Strain Rate quantifications.
16. Should have a minimum 17-inch Monitor, preferably a Flat Panel type.
17. Should have onboard workstation for storage and review of all exams, 2D, 3D Images, loops, etc. An offline workstation with similar capabilities of on-board analysis and quantification of 2D and 3D data sets should be offered.
18. System should have DICOM 3.0.
19. System should allow storing of cropped 3D images which can be recalled and recropped later.
20. System should have inbuilt Image Management facility with facility for direct storage of Images and loops in the Hard Disk Drive and also thumbnail review to view & edit Images, loops and also reports.
21. System should have storage facility of images, loops in the hard disk drive of 160 GB or more. System should be able to transfer Images & clips to CD & DVD media.
22. Softwares for off-line strain quantification to be provided for analysis on a personal computer on DVD. The software should be able to do all quantification in 2D and 4D both including longitudinal, circumferential and radial strain rate and rotation and torsion measurements.
23. The softwares provided on DVD should be upgraded as soon as new version becomes available for next 10 years. A separate letter stating above is to be provided for future reference.
24. Essential Accessories to be supplied with the machine:
    a) Adult Echo Live 3D Echo Transducer with frequency ranging from 1-5 Mhz
    b) 1.5-4 MHz broadband phased array transducer
    c) Vascular Transducer (Linear Array) with frequency ranging from 5-11 Mhz.
    d) Phased array Transducer with smaller footprint for pediatric use with frequency range from 3-8 MHz.
    e) Integrated Stress Echo facility to perform Stress Echo exams
    f) 2-7 Mhz. Adult Live 3D TEE transducer, with Tissue Harmonic imaging (Please mention the tip size, Small tip size will be preferred)
    g) Regular TEE probe 2D multiplane with colour Doppler adult.
    h) Color Printer(Laser): 1 Nos
    i) ECG cable: 1 nos

j) Inbuild CD/DVD writer

k) Voltage stabilizer: 1 Nos

l) Thermal printer: 1 nos

C. Power Supply

1. Power input to be 170-270 V AC, 50Hz fitted with Indian plug.
2. UPS with 30 minutes power back-up to be supplied

D. Standards, Safety and Training

1. Should be US FDA / Europian –CE and Indian regulatory body approved product
2. Manufacturer/Supplier should have ISO certification for quality standards.

E. Documentation

1. User/Technical/Maintenance manuals to be supplied in English.
2. Certificate of calibration and inspection.
3. 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.

F. Other requirements

1. Model should be latest gereration.
2. Should have local service facility.
3. Comprehensive warranty for 5 years and AMC for next five years.
4. Availability of spares to be ensured for minimum 10 years period
5. Demonstration is must before approval and also working demonstration after installation.
6. The cost of convertion of AMC to CMC after 5 years should be mentioned on year-to-year basis for next 5 years if such is required by department at that time.
7. Two good quality branded increased height chairs to be provided for the echocardiographer.
8. 50 rolls of thermal paper to be provided for thermal printer.

Item No. 6

Mechanical Chest Compressor

Technical Specification:-

- Battery operated External Chest Compression Device providing continuous sternum AC / DC Chest compression at a rate of 100 / min with a depth of 5-5 cm (2 inch). For use in pre-hospital and hospital and treatment in PCI Labs setting in cases of sudden cardiac arrest
- Effective, consistent, and uninterrupted compressions.
- Good circulation during the patient transport process.
- Hands-Free compression in any situation.
- Safety during transport for both personnel and patient.

Standard Accessories

- Three reusable Suction cup (one reusable suction cup usable-for 100 patients)
- One Battery

- Carrying bag
- Patient straps to secure the patient's arms to the support legs of the device.
- Stabilization strap to secure LUCAS postion on the patient's chest.
- External power supply - can be connected to unit and 110 - 230V, AC wall outlet for continuous run of the unit and simultaneous charge if the battery in the unit.
- CE & US FDA certified.

Item No. 7
Video Polysomnography Lab Systems

Hard ware Specifications for PSG machine

1. Should have following Channels on each bed:-

* EEG * EMG *EOG
* ECG * Nasal pressure transducer
* Thermistor *Respiratory Effort (to be measured with respiratory inductance Plethysmography)

* Snoring * Body Position, * CPAP Pressure

* Limb Movement, * SaO2 * Pulse Rate,

2. For each bed (system):
   a. amplifier must be compact, body wearable and light weight
      - Approximately <1000 gms
   b. Referential Channels - at least 24
      (Possible to configure all Referential Channels for EOG, EEG & EMG, as per requirement)
   c. Bipolar Channels - at least 6
   d. Additional DC Channels - at least 8(for External Peripherals like Capnography,Ph,Esophageaprmonitoring,etc)
   e. Should be able to record systolic BP either from Pulse transit time signal or from 3rd party stand alone device (non invasive blood pressure measurement from non inflating finger cuffs)
3. For each bed there should be Two integrated Pressure Transducers:
   a. To measure direct CPAP Pressure (Facility to Interface any make of CPAP with the System)
   b. To measure Nasal Pressure to assess Nasal Airflow without Nasal thermistor.
4. Should have Integrated Pulse Oximeter, body position sensor, light sensor and movement detection sensor.
5. Should have Integrated Bed side and on screen impedance check & self-calibration.
6. Should have adjustable gain and notch filters.
7. Should have fully compressed raw data stored on all channels.
8. Easy interface with CPAP machines of various makes should be possible, with ease in PAP titration. There should be provision for automatic calculation and display of apnea-hypopnea index as well as other parameters like desaturation index, live during recording of titration

studies.

9. Should have Synchronized Digital video with Camera and Infrared source. Video camera should be with high audio quality without external microphone (Best available commercially), with provision for extraneous noise rejection/filtering capability. It should fulfill the following specifications:

   High Resolution Camera Mounted on the system trolley with flexible stand to set the camera on any direction and angle. (Same or better than below)

   *fully Remote / LAN Controllable, color, Auto Focus, Auto ICR

   *1/4 type interline transfer CCD

   *752(H) *582 (V) Pixels with 3.6mm (V) Scanning area

   * High zoom ratio AF lens: 30 * Optical + 10* Digital.

   *Wide Range Pan/Tilt: 360 endless pan/185 degree Tilt

   *No/Low Light Sensitivity: 0.5 Lux in color and 0.04 in black and white

   *PAL / CCIR Signal

   *Desktop and ceiling Mount Installation

10. Should have provision for power backup for at least 12 hrs and UPS for camera & computer.
11. Ability for wireless transmission of PSG data

Software Specifications

1. Should have ability for Re-referencing, Re-montaging and re-filtering at any time during a study or after the study has been recorded.
2. Should have provision for Real Time Access to studies for analysis of data currently being recorded from the review/recording station.
3. Should be interfaced to PC via LAN interface for data acquisition.
4. The System should be compact & modular in design and should have facility to hook-up directly to any LAN Port on the network and the data should acquire on sleep station (Sleep Lab PC).
5. Should have user definable Montages & Montage changes.
6. Should have independent, Selectable time basis for Upper & Lower portions of the Screen enabling review of fast moving traces like EEG in one half and slower Respiratory Waveforms on the other half, simultaneously.
7. Should have Sleep Staging options for Adult and Pediatric populations, configured according to latest AASM 2013 criteria
8. Should have scoring comparison (quality control) feature which will allow comparison between scoring by different users, including sleep stages, respiratory events and AHI, arousals and limb movements, with provision for calculation of percentage agreement between different reviewers / scorers.
9. Software should have the capability to display and analyze respiratory events linking with arousals, periodic limb movements and desaturations.
10. Should have the capability for periodic limb movement display and analysis with linking of individual limb movements with apnea / hypopnea and with arousals.
11. Software for cyclic alternating pattern analysis should be made available and it should be compatible with the operating software of the system.

12. It should display the detailed sleep apnea treatment steps for all modalities (CPAP, bi-level PAP [different modes], Adaptive servo ventilation and oxygen supplementation)
13. Antivirus security till the AMC or CMC (not free or trial version) - upgradable every year; should be made available with each system.

Review Station

1. Highest configuration Mac / Windows based 'all-in-one' desktop computers with at least 3rd Generation Intel Core™ i7 Processor, 8 GB RAM or highest available, 21" LED color monitor, DVD R/W, Mouse.
2. Online PSG viewing software (2 nos.)
3. Licenses for review and analysis software for PSG equipment (4 nos.)
4. Software for networking all operating PSG systems with the review room.
5. Cable + Wireless Networking – (All PSG machines, Review station with 2 review workstations, Main review station (for Clinical Neurophysiology Lab, epilepsy monitoring unit)and Faculty office

   Wireless access points

   Access switches – 5

   Server: External, with 10 TB capacity (and upgradable Cabling)
6. Archiving facilities: 2 high capacity servers each with 10 TB capacity each
7. High speed wireless internet connectivity with advanced security – for all PSG computers
8. 26" LED monitor – 2
9. Wall to wall stainless storage panels for secure storage of accessories, lab stationary and portable equipment.

Treatment facilities to be supplied with each system:

1. Multimodality titration equipment (enabled to titrate CPAP, Bi-level and ASV)
2. Capability to remotely control PAP treatment parameters live, from the review station, without entering patients' cubicles.
3. Multiple types of masks of different sizes (at least including pediatric and adult in small, medium and large sizes; full face, nasal mask and nasal pillow types)

   -2 Duplicate sets of accessories should be supplied, along with price list of all accessories

Item No. 8
Digital EEG Machine – 32 Channel

1 Description of Function

1.1 Two Digital EEG equipments with one review station

2 Operational Requirements

2.1 Two EEG Systems complete with software for acquisition and review and the compatible computer with necessary interface and printer is required along with Net working through ceiling with reporting / review station.

3 Technical Specifications

3.1 Hardware:

1. Should be PC based with minimum following PC specifications: 8 GB DDR RAM, 2 TB HDD, Blue ray disc, CD/DVD RW, 24" LCD or TFT Display, Key Board, Mouse and UPS.
2. Number of EEG Channels should be minimum of 32 with color coding, Should have eight channels for Polygraphy.
3. Facility for simultaneous sampling of all EEG channels and multiple sampling rates.
4. Photic Stimulator with software programmable for manual or automatic sequences.
5. The system should have 32 active channels with minimum 06 biological channels capable of spectral analysis, marking annotations, change of sensitivity, printing of Epoch of interest.

3.2 Technical Specifications:

1. 32 Channel Amplifiers needed.
2. CMRR should be > 110 dB or better
3. Noise < 2uV peak to peak
4. Input Impedance > 100 M ohm
5. 16 bit ADC resolution or better
6. Low filter adjustable between 0.16 to 5 Hz.
7. High Filter Adjustable between 50 to 100Hz.
8. Notch Filter Adjustable to software.
9. Acquisition Sensitivity from 1 microvolt per mm to 200 microvolt per mm.

3.3 Acquisition Software:

1. Facility to combine all user defined settings into templates or protocol, for use in different applications.
2. Facility for Individual Channel Control. Customization of Montages, along with Remontage Capabilities.
3. Facility to define New Sensors should be possible as standard i.e assign to amplifier inputs, inputs, define traces in a montage, define calculated channels (Average, Source), or define trends.
4. Facility to review and add events to recorded traces.
5. Facility for automatic time counters and event insertion during Hyperventilation.
6. Facility to controlled display Sensitivity for User defined value.
7. Facility to choose Low & High Cut Filters along with facility to enter any user defined value.
8. Facility to file zip.
9. Facility of configurable Time Base.

3.4 Review Software:

1. Paging facility as Automatic Paging, Mouse controlled Paging and/ or Keyboard Paging.
2. Playback of EEG for one or more channels.
3. Facility for Zoom/ Magnify EEG trace,
4. Facility for Copy & Paste of EEG or Trends to reports and presentations
5. Facility for Automatic generation of reports.
6. Facility for viewing several recordings in tiled or cascading windows.

3.5 Patient Administration Software and Review Station:

1. Archive to Blue ray disc, CD or DVD, powerful search, patient folder.

2. Networking through ceiling with reporting/ review station.
3. Review station should have PC with PC specifications: intel core i7 processor (Turbo boost up to 4.00GHz) with 15M Cache, 8 GB DDR RAM. 2 TB HDD, Blue ray disc, CD/DVD RW, 24- LCD or TFT Display, Key Board, Mouse and UPS.

4. System Configuration Accessories, spares and consumables

4.1 System as specified

4.2 Accessories should include for each system:

1. EEG Cable (with extra one cable), with connections and 5 sets of gold plated EEG disc Electrodes
2. 50 boxes of 10-20 conducting paste for EEG
3. 5 sets of Medium, small and large caps.
4. Customized Trolley supplied by principal
5. Photic stimulation unit
6. All mountings.
7. Re-writable DVDs-100Nos.
8. Compatible Laser Printer with minimum of 1200 x 1200 DPI Resolution, 48 PPM and A4 Size printing facility.-01

B. The prices of the following accessories should be quoted and should be frozen for 5 years after the warranty period:

1. EEG cable and its connections.
2. Gold plated EEG disc electrodes.
3. 10-20 EEG Conduction paste.

5 Environmental factors

5.1 The unit shall be capable of working in Indian conditions

6 Power Supply

6.1 Power input to be 220-240VAC, 501z fitted with Indian conditions plug

6.2 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with each main system and review system.

7 Standards, Safety and Training

7.1 Should be US FDA and / or European approved product

7.2 Comprehensive training for lab staff and support services till familiarity with the system.

8 Documentation

8.1 User / Technical / Maintenance manuals to be supplied in English.

8.2 Certificate of calibration and inspection.

8.3 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, the offer will be rejected

Item No. 9

ICU EEG Machine

ICU Digital EEG equipment

1 Operational Requirements

1.1 EEG System complete with software for acquisition and review and the compatible computer with necessary interface, Photic stimulator and printer is required.

2 Technical Specifications

2.1 Hardware:

1. Should be mounted on a movable trolley with minimum following specifications: 8 GB DDR RAM, 2 TB HDD, CD/DVD RW, 22" medical grade, LCD or TFT Display, External Optical Key Board & Mouse and UPS.
2. Number of EEG Channels should be minimum of 32 with color coding, Should have eight channels for Polygraphy.
3. Facility for simultaneous sampling of all EEG channels and multiple sampling rates.
4. Photic Stimulator with software programmable for manual or automatic sequences.
5. The system should have 32 active channel with minimum 06 biological channels capable of spectral analysis, marking annotations, change of sensitivity, printing of Epoch of interest.

2.2 Technical Specifications:

1. 32 Channel Amplifiers needed.
2. CMRR should be > 110 dB or better
3. Noise < 2uV peak to peak
4. Input Impedance > 100 M ohm
5. 16 bit ADC resolution or better
6. Low filter adjustable between 0.16 to 5 Hz.
7. High Filter Adjustable between 50 to 100Hz.
8. Notch Filter Adjustable to software.
9. Acquisition Sensitivity from 1 microvolt per mm to 200 microvolt per mm.

2.3 Acquisition Software:

1. Facility to combine all user defined settings into templates or protocol, for use in different applications.
2. Facility for Individual Channel Control, Customization of Montages, along with Remontage Capabilities.
3. Facility to define New Sensors should be possible as standard i.e assign to amplifier inputs. Define traces in a montage. Define calculated channels (Average source), or define trends.
4. Facility to review and add events to recorded traces.
5. Facility for automatic time counters and event insertion during Hyperventilation.
6. Facility to controlled display Sensitivity for User defined value.
7. Facility to choose Low & High Cut Filters along with facility to enter any user defined value.
8. Facility to file zip.

9. Facility of configurable Time Base.
10. Spike & Seizure software

2.4 Review Software:
1. Paging facility as Automatic Paging, Mouse controlled Paging and/ or Keyboard Paging.
2. Playback of EEG for one or more channels.
3. Facility for Zoom/ Magnify EEG trace,
4. Facility for Copy & Paste of EEG or Trends to reports and presentations
5. Facility for Automatic generation of reports.
6. Facility for viewing several recordings in tiled or cascading windows.

2.5 Patient Administration Software:
1. Archive to Blue ray disc. CD or DVD, powerful search, patient folder

2.6 Should be supplied with external camera with remote for video capturing. The camera should be integrated with On-Line EEG recording. **(Rate to be offered separately)**

3 System Configuration Accessories, spares and consumables

3.1 System as specified

3.2 A Accessories should include:
1. EEG Cable (with extra one cable) with connections and 5 sets of gold plated EEG disc Electrodes.
2. 50 boxes of 10-20 conducting paste for EEG
3. 5 sets of Medium, small and large caps.
4. Mountable Trolley supplied by the Principal
5. All mountings.
6. Re-writable DVDs-100Nos.
7. Compatible Laser Printer with minimum of 1200x 1200 DPI Resolution, 48 PPM and A4 Size printing facility.-01

B. The prices of the following accessories should be quoted and should be frozen for 5 years after the warranty period:
1. EEG cable and its connections.
2. Gold plated EEG disc electrodes.
3. 10-20 EEG Conduction paste.

4 Environmental factors

4.1 The unit shall be capable of operation in Indian Conditions of temperature

5 Power Supply

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

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

6 Standards, Safety and Training

6.1 Should be USFDA and/or European standard approved product

6.2 Comprehensive training for lab staff and support services till familiarity with the System.

7 Documentation:

7.1 User/Technical/Maintenance manuals to be supplied in English.
7.2 Certificate of calibration and inspection.
7.3 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, the offer will be rejected.

Item No. 10

EMG/ EP/ NPV Machine

The system should have the provision to record.

I.

A.

1. Motor Nerve Conduction Sensory Nerve Conduction
2. Combined Motor and Sensory Nerve Conduction
3. Inching Studies
4. F-Wave
5. H-Reflex
6. Blink Reflex,
7. Repetitive Nerve Stimulation
8. Collision studies
9. Silent period
10. MUNE
11. Needle EMG: 1 sec trace recording display per epoch
    a. Multi-MUP Analysis
    b. Single fiber EMG[Triggered as well as stimulated]
12. R-R Interval
13. Sympathetic Skin Response
14. Auditory evoked responses, Somatosensory evoked potentials
15. Visual evoked potentials
16. CNV & P300
17. Tremors analysis

B. Must have two independent electrical stimulators

C. One auditory stimulator
D. One visual LED htimulator.

E. The system must integrate with a patient response unit, footswitch, control panel, LED goggle
F. Audio transducers and reflex hammer.

NCV

II. Amplifier

a) Eight or more channel amplifier
b) 24 bit Analog to Digital Converter
c) 48 kHz sampling rate or more per channel.

d) Artifact rejection provision
e) Built-in calibration pulse selectable between 2 to 20,000
f) Gain adjustable from 10 nV to 100 mV/division
g) Low Frequency Hz: 0.2 to 5K
h) High Frequency Hz: 30 to 10K.
i) Notch Filter 50 Hz, 60 Hz, or Off.
j) CMII > 100 MΩ
k) CMRR > 110 dB
l) Noise < 0.7 µV RMS.
m) Have the provision for automatic recording of temperature

III. Electrical Stimulator:

A. The Hand grip should be small, lightweight with control over following adjustable parameters:
1. Control of stimulus intensity & polarity
2. LED Polarity indicator during stimulation
3. control for 'next step' in nerve conduction protocols
4. Must have control for side change in motor / sensory nerve conduction
5. Provision for initiating single & repeated stimulus
6. Start / stop of averaging from handgrip

B. Variable and adjustable stimulator parameters from the panel as well as the stimulator

a) Output intensity: constant-voltage or constant-current mode; 0- 400V / 0-100 mA.
b) Facility to store stimulus intensity for each trace.
c) Stimulus duration adjustable between 0.02 -1 ms.
d) Adjustable modes to either monophonic or biphasic stimulation using Single, Refractory, Collision, Double, or Train stimulation

IV. Auditory Stimulator

a) Should have provision for Click, Tone Pip, and Tone Burst stimulation.
b) Intensity : 0 to 130 dBnHL pSPL or -31 to 109 dBSPL with variable increments
c) Increment steps: 1 to 30 dB.
d) Polarity: Condensation, rarefaction, or alternating.

V. Visual Stimulator

a) Should have the provision for variable pattern [checks, bars, or gratings] stimulus color and pattern intensity.
b) pattern should be full-field or partial-field [Hemifeld, Quadrantic]
c) Should calculate changes in check size, distance, and visual angle.
d) Should have provision for variable target size, position, color, and choose between a static or a pulsating target.
e) LED flash rate should be variable: 0.1-100 per second (Hz) and duration between 1-500 ms.

VI. System Software

a) System must support Microsoft® Windows® 7 or better
b) Should have the provision to reposition, superimpose, or show the data in a raster mode.
c) Should display the acquired as well as on line data with different filters, sensitivity, and time base

d) Free run EMG data and sound should be recorded for at least 15 minutes or more for at least 2 channels
e) The averager display sensitivity should be variable from 0.01µV/division to 100 mV/division
f) Should display the averaging results such as mean, exponential, median, rectified, and weighted mean.
g) Should have the provision to delete or override the data on a trace per trace basis.
h) Should have the facility for signal enhancer
i) should organize multiple examinations of the patient
j) On-line result should link back to the raw data.
k) Should have capability to capture the test screen both as a picture and as a movie that should be incorporated into reports, training material, publications, presentations, etc.
l). Must have report generating facility

VII. Data management:

a) One IMAC data book with 2.7GHz quad-core Intel Core i7 (Turbo Boost up to 3.7GHz) with 8MB shared L3 cache. 512GB Configurable to 768GB, 15.4-inch LED-backlit display, with 2880-by-1800 native resolution at 220 pixels per inch with support for millions of colors, display resolutions of 1920 by 1200 pixels or better
b) One laser jet printer of 48 ppm, 1200 x 1200 dpi

VIII. System should be supplied with

a) 230V isolation power supply
b) LED goggles -one
c) 300Ω TDH-39 Headphones - One
d) Four Electrical Stimulator Probes[two adult and two pediatric size]
e) Visual Stimulator- one
f) Computer with Core 2 Duo, HDD 500 GB,RA.M 8 GB,19" TFT, Windows® 7
g) Laser Printer 48 PPM wit 1200x1200 dpi
h) Suitable voltage UPS with 30 minutes of power supply
i) Trolley supplied by the principle
j) EMG/EP/NCS Standard Electrodes Kit and accessories.

IX. Compliance/Regulatory Standards

System Should conform to international safety standards such as:

UL 60601-1 Medical Electrical Safety Standard
CAN/CSA-C22.2 no. 601.I-M90 Medical Electrical Safety Standard
EN/IEC 60601-1 Medical Electrical Safety of Medical Equipment
IEC 60601-2-40 Particular Safety of electromyography and evoked response equipment
EN 60601-1-2 Collateral safety standard for EMC
European Community (CE Mark)
Class 2B, Medical Device Directive (MDD) product

X. EMG/ EP Accessory Kit must contain:

1. Cable for disposable needles -2 Nos.
2. Ring electrodes pair - 6 Nos.
3. Wrap Around Ground Electrode -3 Nos.
4. Felt pad bipolar electrodes – 04Nos.

Item No. 11

Mobile C-Arm Image Intensified With DSA

1. X-Ray Generator

- High frequency generator with single tank converter frequency of 75 KHz or more The generator should be Micro Processor, controlled converter type with output of 15 KW or more and minimum 75 kHZ frequency (or higher). The system should operate in full capacity on 220 volts AC. 15amps.
  The generator should be capable of providing a boost or a high dose fluoroscopic exposure at up to a minimum of 20 mA
- Power rating of minimum 15 KW
- Should have facility of digital pulsed fluoroscopy.
- KV Range - 40 KV to 110 KV
- The equipment should have

Fluoroscopy Mode	:	40-110 KV / 5mA or more
Digital radiography Mode	:	40-110 KV / 10mA or more
Cassette exposure	:	40-110 KV / 20mA or more

2. X-Ray Tube

- Dual focus
- Should have rotating anode. The tube-should have additional safety filtration for the stray or scattered radiation i.e cu filters.
- Heat storage capacity of at least 300 KHU

Anode cooling capacity should be 70 kHU /min. or higher. The tube housing heat capacity should be a minimum of 1900000 HU

3. C- arm

Fully counterbalanced lso-centric C-arm having:

-	Orbital movement	:	more than 110 degrees
-	Angulation	:	more than 190 degrees
-	Horizontal Excursion	:	more than 190 mm
-	Swivel Range	:	+/- 10 degrees
-	Source to 1.1 distance	:	70 cm or more
-	Depth of immersion	:	50 cm or more

4. T.V. system

- Image intensifier should be of size 12" with zoom facility.
- The television camera should be of CCD type with motorized facility rotation and acquisition in 1024x1024.
- System should have two 18" TFT Monitors. A third 18 inch FT monitor for control room along with a separate key pad and foot switch for remote operation.

5. Digital System

- Images should be able to transfer and stored in attached high end computer with editing software for images outside OR(wall mount/table mount) and having good storage space
- Disk storage for up to 10,000 or more images.
- Alphanumeric keyboard for entering patient data, Name of hospital as well as

Image annotation for Subsequent hardcopies.

- It should be possible to archive the images on CD-R in Dicom 3 format even for DSA images.
- Image storage to disk and USB drive during fluoroscopy, pulsed fluoroscopy, digital radiography, digital serial radiography. The digital angiography upto 12/25 frames/sec at 1024 x 1024 metric.
- Storage of substraction scenes with variable frame rate up to 25 frames/sec.
- Image inversion, Electronic shutter, Multiple image display. Substraction including hemodynamic display, display of peak opacification.
- Road mapping, vascular stenosis quantification.
- Automatic mask storage.
- On-line substraction with 25 images per second.
- Selection of new mask and image with contrast medium during post processing.
- Windows technique
- Total storage capacity of hard disc at least 10,000 images in 1024x1024 matrix.
- Archieving should be digital with facility to make CD as well as USB/pen drive and others
- Wireless data transfer facility, Will enabled

6. Remote control-One cordless remote control for image handling

7. Machine should be able to work nonstop without heating for atleast 4 hours for DSA and road map therautic procedure

8. Both Digital system, generator and X-ray tube should be from same manufacturer.

9. FDA and EUROPE CE certificate

10. **Accessories:**

- Suitable Servo voltage stabilizer should be quoted with system
- Provision for storage and archiving of data-in, CD and DVD writer with 500 DVD.
- Real time update of all relevant radiation dose level.
- Zero lead light weighted double breast Lead apron (Imported)- Six
- Zero lead light weighted Two piece skirt type Lead apron (Imported)- Two
- Goggle(imported)-Six
- Thyroid shield —Six
- Gonadal shield-Six
- Two Stand with hangers for Lead apron with capacity of hanging Twelve lead aprons each stand
- Radiation protection mobile screen 6 feet height X 5 feet wide with four wheel-Two
- Angiocatheter hanging stand for 50 No. catheter
- It should conform to all latest AERB guidelines

Item No. 12

Fully Automated Bio Chemistry Analyzer including a back-up machine of same configuration

1. **System (to be supplied with a back-up machine of same configuration):**
   a) Floor model, closed system based on wet chemistry procedures, multichannel with option of 8 to 10 open channels, random access, latest, ISE installation, auto rerun facility. **The channels shall have to be opened by the manufacturer.** Decision of selecting the parameters to be opened shall rest with the User Department. The successful bidder shall have to demonstrate proper trial runs for the tests to be done in open channels using ospital approved reagents. The successful bidder shall have to work in co-ordination with the supplier of reagents for the tests to be run in open channels to ensure the quality of results for the tests in open channels. The successful bidder shall have to provide two sets of inventories with respect to reagent bottles, bar codes, openers etc for the ten open channels.
   b) System should have **bar code facility** for reagents and samples.
   c) Equipment should be US FDA / European Union Nation CE certified.
   d) Model should be latest on production line of manufacture and not a refurbished one. Vender must provide a declaration for the same and also upload a copy of the same in the technical bid. The bidders must have installed at least two new same models, as they would like to quote for in this tender, in the last two calendar years. They must upload a copy of satisfactory performance certificate from the head of the user department where the equipment have been installed.

2. **Throughput:**
   Throughput of at least 1000 routine photometric tests per hour excluding Ion Specific electrode (ISE) and 1200 including ISE or better

3. **Programmable parameters:**
   Minimum 50 programmable parameters

4. **Assay principal:**
   a) Colorimetry (Kinetic / End Point)
   b) Turbidimetric Immunoassay
   c) Ion Selective Electrodes

5. **Sample Loading and type of sample:**
   a) **Minimum 50 sample positions** for routine sample types like Serum, urine, CSF, Plasma and other body fluids with continuous loading.
   b) Facility for stat sample positions (at least ten) & control samples should be available without affecting the routine work.
   c) System should be capable of detecting **lipemic, icteric, hemolysed (LIH), clotted, low sample volumes and bubbles.**
   d) System should have automatic rerun facility, auto pre and post dilution for out of range parameters.
   e) Tests with multipoint calibration should have facility for serial dilution.
   f) System should be able to take samples from primary standard sample tubes/cups/**pediatric cups.**

6. **Reagent section:**

Refrigerated position for at least 50 reagent containers with temperature control of 4-8º C or better

7. Sample probe:

a) Should have level sensor, crash sensor and on board washing.
b) Should aspirate sample from 2µl to 50 µl with increments of 0.1 µl or better.

8. Regent probe:

a) Should have level sensor, crash sensor and on board washing facility.
b) Should be able to aspirate and deliver reagent volume from 20ul-400ul or better

9. On board mixing

Should have on board mixing with appropriate technology for proper mixing of samples and reagents

10. Cuvettes:

Reaction chamber should have at least 50 permanent hard glass / quartz cuvettes or more with onboard washing, cleaning and drying

11. Deionized water system:

a) Suitable deionizer plant compatible with auto analyzer must be provided free of cost with guarantee and maintenance as per the terms & conditions of the main unit. The onus of plumbing, appropriate storage tank installation lies on the supplier of equipment. The supplier must take full responsibility for maintaining the water quality in the equipment irrespective of the hospital water supply and must submit suitable certificate for the quality of deionized water at three monthly intervals from an accredited water testing agency.

12. Real time reaction curves:

Should provide real time reaction curves. Facility for storing at least 1000-tests reaction curves.

13. Photometer:

Multi wavelength diffraction grating photometer capable of selecting wavelengths from 300 to 800 mm. Monochromatic, bichromatic and polychromatic mode.

14. Data storage:

Facility to store at least 50,000 test data on hard disk with multitasking facility.

15. Data validation facility:

Panic limit check, Reaction linearity check, Reaction mixture absorbance checks, Antigen excess/prozone check, reference range check by age, sex sample type.

16. Quality Control

a) Daily and monthly quality control curves. X-bar Range, twin plots with printouts of QC results.
b) System should have QC software with statistical analyses, L-J plots, Westgard rules
c) Data storage for at least 10,000 event results with facility for highlighting alert values (Qutlier).
d) Calibration should be lot specific with on board indication of calibration expiry.

e) The Quality Assurance should be possible with third party calibrators and controls.

17. Self-Diagnostic checks, Alarms and notices:
Self-diagnostic facility and alarms for erroneous operation, mechanical malfunction of analyzer with help menus for correcting the errors and online contact system

18. Password Protection:
Password provided to reject and access to selected menus

19. Calibration:
The successful bidder shall have to submit calibration and testing certificates for all components of the equipment, at a frequency as per accreditation norms of NABL, from an accredited agency for the required calibrations and testing. The costs for all these certificates shall have to be borne by the successful bidder. This shall have to complied with during the complete life span of the equipment.

20. Software:
a) Software should be compatible, programmable windows based, user friendly with comprehensive data processing and backup for the data base for quality controls and patient samples.
b) An online inventory of reagents with expiry and remaining number of tests should be viewable on screen for reagent management.
c) Should be compatible with Hospital information system (HIS) and Lab information system (LIS).
d) Facility for onsite up gradation should be there to increase the throughput and integration with immunoassay system.

21. Hard Ware and Accessories
a) Suitable hardware inclusive of Computer with touch screen monitor, key board and mouse, lab software and antivirus. Printer has to be provided along with the equipment with warranty as per the equipment. The software should be able to provide statistical, calibration and control data.
b) Compatible online UPS with at least One hour backup for the complete equipment.

22. Comprehensive maintenance of the equipment with respect to all spares, accessories of the type of tubes, pump, syringe, lamp, electrodes, reference membrane, stirrers, PCB (electronic boards), deionizer plant resins, batteries etc. for ten years is to be done by the vendor at no additional cost to the buyer. No accessories/ spares/resins/ batteries/ maintenance kits or equipment parts will be purchased by the user department for the main equipment, the deionizer and the UPS during the 10 year warranty period.

23. Reagents and Consumables.
Vendor shall have to supply reagents, consumables, controls and calibrators for the following number of tests free of cost (**tentative consumption for one month**) at the time of installation of the new equipment:

Sl. No.	Name of Test	Number of tests
1.	Glucose	3000
2.	Cholesterol	3000
3.	Triglycerides	3000
4.	HDL cholesterol	3000
5.	LDL cholesterol(Direct)	1000

6.	Total Bilirubin	3000
7.	Direct Bilirubin	2000
8.	SGOT	3000
9.	SGPT	3000
10.	Alkaline phosphatase	2000
11.	Total proteins	3000
12.	Albumin	3000
13.	Urea	3000
14.	Creatinine	3000
15.	Uric acid	1000
16.	Amylase	100
17.	CPK	200
18.	CPK-MB	200
19.	Sodium	1500
20.	Potassium	1500
21.	Calcium(Total)	500
22.	Phosphorus	300
23.	CSF Protein	200
24.	Urine Microalbumin	100
25.*	All Antiepileptic drugs, Trop-t, magnesium, LDH, Gamma GT, Ammonia at consumption rate of two hundred tests per year IN A SEPARATE LINE for each test.	
26.	Calibrators for all the above tests in suitable volumes of 1-3 ml	30ml
27.	Urine calibrators in 1-3 ml capacity	15ml
28.	CSF calibrators in 1-3 ml capacity	15ml
29.	Controls for all the above tests (Low, normal and high) in the 1-5 ml capacity	60 ml each for all three levels
30.	Urine controls (Low, normal and high) in 1-3 ml capacity	15 ml each for all three levels
31.	CSF controls (Low, normal and high) in 1-3 ml capacity	50 ml each for all three levels

However the user department will have the discretion to use third party controls and calibrators. S. No. 25* should be carefully reviewed before quoting the rates.

The technical bid document must include the following details in a tabulated form:

Name of the test

Kit size

Number of kits likely to be used per month as per the work load depicted in the table above

Approximate shelf life of the kit on the day of manufacturing of the kit

a) **Depending on the above tabulated monthly workload, price quotation of individual test parameters, kit/pack size indicating the number of tests per kit, rate per kit, number of kits required per month and total cost of the kits per month, per year and per five years should be made by the vendor and uploaded in PDF form for the price bid. These prices shall be frozen for the next five years. The total cost of these reagents will be used for final price bid evaluation. The bidders must also quote the details of any other regents, consumable disposables, buffers and wash solutions, if any, which must be**

procured for the tests listed in the above table. These additional items must be quoted in the same table by creating additional lines for each item. All these rates shall also be considered for price bid evaluation. 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 work load of the user department during the validity of the contract.

b) **Further in addition to the above tests, kit size in terms of number of tests per kit and rate per kit must be quoted in a tabulated form for all the parameters which can be done on the analyzer quoted by the bidder and are manufactured by the company. These rates will be frozen for five years. However, these rates will not be used for price bid evaluation.**

c) The above mentioned number of tests is only for the comparative price evaluation. The department reserves the right to purchase decreased quantities of consumables and kits. Costs of reagents quoted at the time of tender shall be fixed **for five years.**

d) Further increase in cost of reagents shall be by ten percent only for the sixth and seventh year and the increase permitted for the eighth to tenth year shall be 15% of the rates quoted in the price bid for this tender.

e) The shelf life of kits and consumables supplied should be at least 80% of the total expected shelf life.

24. Operation and Functions

a) Downtime should be less than 10% of the total running time of machine on a year to year basis with the assumption that the equipment would be used twelve hours per day including holidays.
b) It shall be the responsibility of the vendor to maintain the downtime to less than 10% throughout the validity of the tender. Further in case of break down of more than 24 hours the vendor will get the tests done for the indenting department from and NABL accredited lab at his own cost and manpower. The bidders must provide a valid email ID and a contact telephone number for logging the complaint by e-mail.
c) Operations qualification, Performance qualification and installation qualification must be submitted in the technical bid for the tender and the same shall be demonstrated at the time of installation.
d) Vendor shall provide upload a compliance report (point wise) with exact page number of the related uploaded document and/or paragraph in the catalogue/datasheet.
e) Must upload a comprehensive list of installation in last two years of the quoted model (minimum two installations must have been done.) in Delhi and NCR with contact numbers of users. Upload a satisfactory performance certificate from the head of the laboratory where the installation have been done.

25. Cumulative cost including cost of equipment inclusive of UPS, printer, deionizer unit and computer , reagent cost and CMC per annum (for the sixth to the tenth

years) will be taken into consideration for price bid evaluation . The bidders can quote rated of CMC up to a maximum of 10,11,12,13 and 14 % of the cumulative cost of equipment respectively for the 6th. 7th, 8th, 9th and 10th year of functioning of the equipment .The CMC rates must be quoted in a separate table in pdf form in the price bid. Details can be discussed in pre bid meeting. The CMC SHALL HAVE TO BE PROVIDED UNDDR ALL CIRCUMSTANCES IRRESPECTIVE OF THE CAUSE OF BREAKDOWN IN ANY PART OF THE COMPLETE EQUIPMENT.

26. **Back up analyzer with all the above specification and the same throughput will have to be provided along with the main equipment. Same reagents packs should be used on both systems. The indenting department will not pay any cost of this backup equipment. No extra reagents shall be purchased for the backup equipment.**
27. **The successful bidder shall have to furnish performance guarantee in the form of FDR or bank guarantee as per the rules of Govt. of NCT of Delhi.**
28. **Payment for equipment only shall be made after the approval of the bid on L1 BASIS and as per rules of the purchase of the Govt. of NCT of Delhi. The payment for reagents and consumables shall be done on actual procurement basis. All payment including the payment for CMC from Sixth year onwards shall be subject to the terms and conditions of procurement in Govt of NCT of Delhi.**
29. **The bids may be uploaded by the principal suppliers or their authorized Indian agents only. The bidders must upload valid contact numbers, e-mail ID and postal address in the pre-qualification bid or the technical bid, as applicable.**
30. **Misrepresentation, incorrect representation or uploading false details will lead to outright rejection of the bid.**
31. **The successful bidder shall have to supply kits and calibration on a monthly, once in two months or once in three months basis as per the needs of the user department. The goods shall have at least 80% of the expected shelf life on the day the supplies are made.**
32. **Space for installation of the main unit and back up unit shall be provided by the hospital. All civil, electrical and air conditioning work , as may be required , for the installation of the equipment shall have to be carried out by the successful bidder at his own cost.**

Item No. 13

Ambulatory 24 hours Oesophageal Impedance and pH metry system

1. **Equipment capable of performing** 24 hours oesophageal impedance and pH metry recording.

2. **Components of the system to include :** pH & impedance Data Recording device (It should be light weight & portable) (1 No.),Pouch for holding Data Recording device (1 No.),Combined electrodes for 6 channel impedance & 2 channel pH study (5 No.),Combined electrodes for 6 channel impedance & 1 channel pH (5 No.) pH Antimony Electrodes 2 channels (5 No.),Computer workstation with necessary hardware & software (1 No.),pH calibration kit (2 No.-Each kit to include one bottle each of pH4 & pH7 buffer

solutions, calibration tubes & stand),SD Flash Memory card (1 No.),SD card reader (1 No.),USB connected with cable (1 No.)

3. **Equipment recording & analysis software** to be based on WINDOWS ™ operating systems, with provision of automatic analysis and report generation with digital database storage and retrieval facility

4. **Computer workstation To include :** A fully loaded Windows 7 based computer notebook (Laptop) (At least 320 GB hard disk,3 GB RAM,DVD/CD read & rewritable capabilities, Good quality color inkjet printer with scanner & one full set of spare cartridges, High quality anti-virus software with 5 years single/time renewable subscription, Two USB based portable external hard disks {2 TB each} to maintain data back-up, Computer table with computer chair,& the laptop should be loaded with necessary software to facilitate analysis of impedance & pH data recorded by the portable data recording device)

5. **To include all other standard accessories, User Operator & Reference Manuals**

6. **On the site training of technical staff by an expert for 2 weeks**

7. **Comprehensive Warranty for 5 years followed by 5 years of free AMC**

Item No. 14
Fully Automated Endoscope Reprocessor (Endowasher)

1. **Should be fully automated** Endoscope Re-processor designed to perform high-level disinfection of two endoscopes at one time.
2. **Reprocessor should have :** Built-in fully automatic leak test before and throughout the cycle; Automated machine sterilization including internal water filter; Automated chemical loading system; detergent reservoir with level sensor; alcohol reservoir with level sensor; water pressure regulator; on-board air compressors to activate valves & channel air-purge; built-in heater in cleaning tub
3. **Reprocessor should have window** for viewing scope during reprocessing
4. **Disinfectant reservoir capacity** of 16 litres or more
5. **Supply water flow :** 17 litres/minute or more
6. **Cleaning time setting :** 1-10 minutes
7. **Disinfection time setting :** 5-60 minutes
8. **To include all other standard accessories, User/Operator & Reference Manuals**
9. **To include supply of all necessary chemicals/reagents for 1 month usage**
10. **On the site training of technical staff by an expert for 2 weeks**
11. **Comprehensive warranty for 5 years followed by 5 years of free AMC**
12. **The model offered should be European CE or US-FDA approved**

Item No. 15
Mycobaterium culture, differentiation and drug sensitivity system

1 System should be capable to perform rapid culture, differentiation and sensitivity testing for Mycobacterium tuberculosis.
2 System should be based on non-invasive technology; ensuring no bottle puncturing during sample analysis.
3 System-working principle should be based on non-radiometric technology.
4 System should have more than 850 sample positions.
5 System should be able to process minimum > 15 fresh sample per day with standard international negative protocol of 6 weeks period.
6 System should be able to monitor growth of organism in each sammple position continuously
7 System should be capable to perform tests to differentiate typical and atypical mycobaterium within 3-4 days time.
8 System should be supplemented with rapid TB differentiation kit to differentiate M. Tb and NTM from same manufacturer.
9 System should be able to process both respiratory & non-respiratory samples.
10 System should have the additive reagents to make isolation media selective and enriched for better isolation.
11 System should have continuous on line quality control to check and should have bar code scanner.
12 Media presentations should have a NO sharp concept to avoid any needle stick injury to the user, during sample inoculation. (To avoid infectious disease transmission to the user like HIV,HCV,HBV etc)
13 System should be able to perform second line drug sensitivity with standard protocol
14 System should be supplied along with ready to use lyophilized drug vial for entire of first line drug sensitivity testing- S,I,R,E,P
15 System should be supplemented with ready to use Pyrazimide Test-media to avoid any false results in sensitivity testing.
16 All first line drug kit should be FDA approved.
17 System should be able to generate the interpretation of 1st line drug susceptibility testing automatically, no need of manual interpretation.
18 Should have provision for future upgradation of software through CD/Flash drive.
19 Company should have its own ready to use digestion and decontamination kit for better sample processing and reduced contamination rate.
20 System should have space saving compact design.
21 System should be supplied along with high end data management system for patient data and information on drug sensitivity patterns with following features:
    a) Detailed patient data incorporation
    b) Specimen demographics
    c) Centralized order management for microbiology testing
    d) Improved workflow
    e) Multiple platform connectivity
    f) Detailed data review patient, specimen, test and isolate levels
    g) Unlimited microbiology data storage, capacity.

h) Incorporation of patient therapies
i) Full transaction logging
j) Direct on line technical support
k) Connectivity with hospital information system

22 Suitable on line UPS with maintenance free batteries with two hours backup to be supplied along with the system.
23 On site comprehensive training to be provided to Lab staff's and support members till familiarity with the system.
24 System should be approved by Central TB division (under ministry of health) for liquid culture facility.
25 Should be FDA approved
26 Should be able to perform automatic report generation.
27 Should be provided with printer and the printer cartridges to be provided for 5 years
28 Printer to be maintained by the company
29 Should provide 1000 isolation and 200 DST with the system
30 System to be supplied with Class III biosafety cabinet along with the requisite materials for installation. Installation and maintenance of biosafety cabinet (2 years warranty and 5 years AMC) to be provided by the company.
31 5 year comprehensive warranty followed by 5 years AMC to be provided

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

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

3. Training:

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

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

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

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

Turnkey:

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

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

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

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

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

Note 3: Supplier should provide adequate training of personnel and supply only non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS)

Note 4: Training shall be given to the doctors, nurses, operators with proper training material, adequate operating manual & preliminary troubleshooting.

Section – VIII
Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

02 Plant and machinery details

03 Manufacturing process details

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

05 Total annual turn-over (value in Rupees)

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

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

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

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

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

2. (a) The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, **at least 100% of the quoted quantity** of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily. (For equipment which are consumable in nature, as identified in the list of requirement, proof of delivery/acceptance by consignee/purchaser shall also be considered acceptable)

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

Note:

1. The tenderer shall give an affidavit as per Section XIX of TE document

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

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

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

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

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

PROFORMA 'A'

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

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

Section – X
TENDER FORM

Date_____

To

Head (P&CD), HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector - 62, Noida -201307, Uttar Pradesh

Ref. Your TE document No. _____dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver_____ *(Description of goods and services)* in conformity with your above referred document for the sum mentioned in the price bid uploaded online, 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
				Price per unit (Rs.)							
SI.No.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Ex - factory/ Ex - warehouse /Ex-showroom /Off - the shelf (a)	Packing and Forwarding charges (b)	Excise Duty (if any) [%age & value] (c)	Sales Tax/ VAT(if any) [%age & value] (d)	Inland Transportation, Insurance for a period including 3 months beyond date of delivery, loading/ unloading and Incidental costs till consignee's site (e)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (f)	Unit Price (at Consignee Site) basis (g) =a+b+c+d+e+f	Total Price (at Consignee Site) basis (Rs.) 4 x 5(g)

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5					6
SI.No.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Currency)					Total price on CIP Named Port of Destination + Insurance (local transportation and storage) 4X 5 (e)
				FOB price at port/ airport of Lading (a)	Freight& Insurance (port of loading to port of entry) and other Incidental costs (b)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (c)	Extended Insurance (local transportation and storage) from port of entry to the consignee site for a period including 3 months beyond date of delivery** (d)	Unit Price on CIP Named Port of Destination + Extended Insurance (local transportation and storage) (e) = a+b+c+d	

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

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. The Tenderer will be fully responsible for the safe arrival of the goods at the named port of entry in good condition as per terms of CIP as per INCOTERMS, if applicable
4. Custom duty @ 11.76% and 2% C& F charges will be added to the CIP price to arrive at the DDP price for evaluation purpose.

Indian Agent:
Indian Agency Commission (included in FOB price)- ___% of FOB
Signature of Tenderer_____

Name_____
Business Address_____
Signature of Tenderer_____
Seal of the Tenderer_____

Place: _____
Date: _____

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

1	2	3	4					5
SI.No.	BRIEF DESCRIPTION OF GOODS	Qty. (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 offered will be added (at a discounted rate of 10% per year)for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause GCC clause 21.1 (D).
6. The uptime warranty will be 98% on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Name_____
Business Address_____
Signature of Tenderer_____
Seal of the Tenderer_____

Place: _____
Date: _____

D)PRICE SCHEDULE FOR TURNKEY

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

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

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

SECTION – XII
QUESTIONNAIRE

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

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

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

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

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

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

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

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

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

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

SECTION – XIV

MANUFACTURER'S AUTHORISATION FORM

Head (P&CD),
HLL Lifecare Limited, Procurement and Consultancy Division
B-14 A, Sector -62, Noida -201307, Uttar Pradesh

Dear Sir,

Ref: Your TE document No _____ dated _____

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

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

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

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

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

Yours faithfully,

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

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

The Dean/ Director/ Medical Superintendent
(in the name of concerned Institution with its address)

WHEREAS _____ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no_____ dated _____ to supply (description of goods and services) (herein after called "the contract").

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

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

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

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

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

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

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

SECTION – XVI

CONTRACT FORM - A

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

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

Contract No_____ dated_____

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

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

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

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

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

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

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

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

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

Received and accepted this contract

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

(Seal of the supplier)
Date: _____

Place: _____

CONTRACT FORM – B

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No._____ dated_____
Between

(Address of Head of Hospital)
And

(Name & Address of the Supplier)

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

In continuation to the above referred contract

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

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

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

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

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

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

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

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

g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in

Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.

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

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

j) **Paying authority:** _____ (name of the consignee i.e. Hospitalauthorised official)

_____

(Signature, name and address ofHospitalauthorised 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) Counter Signed by Director/MS/Dean of the concerned Hospital/Institute :_____

10) Seal of the Consignee :_____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No_____ **Date_____**

To

M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

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

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

(d) Quantity: _____

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

(f) Name of the vessel/Transporters:_____

(g) Name of the Consignee:_____

(h) Date of commissioning and proving test:_____

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

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

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

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

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

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

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

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

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

(Signature)
(Name)
(Designation with stamp)

(Counter Signed by Director/MS/Dean of the concerned Hospital/Institute)

Explanatory notes for filling up the certificate:

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

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

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

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

SECTION – XIX

AFFIDAVIT/UNDERTAKING

I/ We have read and understood the instructions and the terms and conditions contained in the document. I/We accordingly accept all terms and conditions of the tender enquiry document including the essential conditions specially incorporated in the tender enquiry like terms of terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law. I/ We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities. I/ We do hereby declare that the information furnished/ uploaded is correct to the best of my/our knowledge and belief.I/ We 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

Sl No.	Description
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.	Have you enclosed duly filled Tender Form as per format in Section X?
3.	Are you a SSI unit, if yes have you enclosed certificate of registration issued by Directorate of Industries/NSIC
4. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?
5. a.	Have you submitted satisfactory performance certificate as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?
b.	Have you submitted copy of the order(s) and end user certificate?
6.	Have you submitted manufacturer's authorization as per Section XIV?
7.	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?
8.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?
9. a.	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?
b.	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?
10.	Have you intimated the name an full address of your Banker (s) along with your Account Number
11.	Have you fully accepted payment terms as per TE document?
12.	Have you fully accepted delivery period as per TE document?

Sl No.	Description
13.	Have you submitted the certificate of incorporation?
14.	Have you accepted the warranty and CMC 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?
17	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?
18	Have you enclosed the Affidavit as per Section XIX of the TE document?

N.B.

(i) The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender.

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

Section – XX
Consignee

Consignee Code	Medical Institutions	Contact Address.	AirPort	Dry Port
GBPH	G.B. Pant Hospital	The Director G.B. Pant Hospital Jawaharlal Nehru Marg New Delhi – 110002 Phone - 011 2323 4242	New Delhi	Tughlaqabad, New Delhi

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