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/27/GBPH/14-15

BY

HLL LIFECARE LIMITED

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SECTION I

NIT No: HLL/PCD/GNCTD/27/GBPH/14-15 **Dated:30.12.2014**

NOTICE INVITING TENDERS (NIT)

1. Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of G.B. Pant Hospital, 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_74190_1	Slow Extended daily Dialysis (SLEDD) Machine	2	500	28,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 PM
2	2014_HFWD_74190_2	Rotational Atherectomy	1	1,000	70,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 PM
3	2014_HFWD_74190_3	E.P. System with Stimulator and Radio Frequently Ablator	1	2,000	1,14,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 PM
4	2014_HFWD_74190_4	Pressure Injector for Catherization	1	500	30,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 PM
5	2014_HFWD_74190_5	Continuous Renal Replacement Therapy unit	1	500	24,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 PM
6	2014_HFWD_74190_6	Portable colour Doppler Ultrasound	2	1,000	80,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 PM
7	2014_HFWD_74190_7	Anesthesia Workstation with Multiparameter Monitor	6	3,000	3,60,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 PM
8	2014_HFWD_74190_8	3 Tesla MRI Machine	1	5,000	28,00,000	06-01-2015 11:00 AM	29-01-2015 06:00 PM	30-01-2015 02:00 PM	30-01-2015 02:30 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 for all the necessary documents and **in physical form (with respect to few documents as mentioned in the SIT)** in three parts/covers as mentioned below:

   (i) Tender Fee and EMD

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

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

b) Tender Form as per section X.

c) Copy of PAN.

d) Certificate of Incorporation/Declaration being a proprietary firm.

e) Annual report of last 3 completed financial years (Balance sheet and Profit & Loss Account)

f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.

g) Quality Control Requirements as per Section VIII

h) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.

i) Affidavit as per Section XIX

j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications with all related brochures in the tender enquiry

(iii) Price Bid (Only online).

4. All prospective tenderers may attend the Pre Tender meeting. For all the above tender IDs, Prebid meeting shall be held at Conference Room of HLL Lifecare Limited, B-14A, Sector -62, Noida, Gautam Budh Nagar, U.P. - 201 307.

5. To participate in the submission against the tender, it is mandatory for the Applicants to get digital signature and get themselves registered with e-tendering system of various hospitals under Govt. of NCT of Delhi.

6. 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.

7. Tenderers shall ensure that their tenders, complete in all respects, are submitted **online and desired hard copies in original** dropped in the Tender Box located at **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.

8. In the event of any of the above mentioned dates being declared as a holiday /closed day for the purchase organisation, the physical form of tenders will be received/opened on the next working day at the appointed time.

Head (P&CD)
HLL Lifecare Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
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GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions and Abbreviations

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

1.2. Definitions:

(i) "Purchaser" means 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 Tender Terms and referred in checklist at 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 thephysical 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 behalfof another shall be deemed to warrantee that he has authority to bind such other personsand if, on enquiry, it appears that the persons so signing had no authority to do so, thepurchaser may, without prejudice to other civil and criminal remedies, cancel the contractand hold the signatory liable for all cost and damages

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

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

12. Tender currencies

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

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

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

13 Tender Prices

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

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

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

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;

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

g) the list and cost of spares required after completion of warranty and CMC period to be attached separately which will not be taken into consideration in the comparison of prices for determining the lowest bid.

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;
h) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule; and
i) the list and cost of spares required after completion of warranty and CMC period to be attached separately which will not be taken into consideration in the comparison of prices for determining the lowest bid.

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 LifecareLimited" 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 **(Both online and physical)**

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

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

b) Tender Form as per section X.

c) Copy of PAN.

d) Certificate of Incorporation/Declaration being a proprietary firm.

e) Annual report of last 3 years (Balance sheet and Profit & Loss Account)

f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.

g) Quality Control Requirements as per Section VIII

h) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.

i) Affidavit as per Section XIX

j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)

(iii) Price Bid (Only online).

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

Unless otherwise specified, the tenderers are to submit its tender online and deposit the physical form of tenders in the tender box kept for this purpose at **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 required period as mentioned in the list of requirement) 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, interalia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

37. Contacting the Purchaser

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

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

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded 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	24
B	8 to 10	TE documents	No Change	24
C	11 to 21	Preparation of Tenders	Change	24
D	22 to24	Submission of Tenders	Change	24
E	25	Tender Opening	No Change	24
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	24
G	38 to 45	Award of Contract	No Change	24

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

Preparation of Tenders

Tender currencies

The following items **must be quoted in Indian Rupees only**. There will not be any CDEC issued against these items.

Tender ID	Equipment Name
2014_HFWD_74190_1	Slow Extended daily Dialysis (SLEDD) Machine
2014_HFWD_74190_4	Pressure Injector for Catherization
2014_HFWD_74190_5	Continuous Renal Replacement Therapy unit

Submission of Tenders

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

a) Demand Draft towards Tender Fee in favour of 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)
d) Affidavit as per Section XIX

(ii) All document(s)/ information(s) other than above including the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF 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, BereauVeritas,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 usedduring 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 **3 months** commencing from the date of the installation for preventive maintenance of the goods

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

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

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

16. Assignment

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 three 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, interalia contain the following conditions:

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

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

22.6Passing of Property:

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

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

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

23. Liquidated damages

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

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

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

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

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

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

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

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

27. Termination for convenience

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

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

a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

28. Governing language

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

29. Notices

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

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

30. Resolution of disputes

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

30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole 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	Description	Department	Qty.	Warranty Period	CMC Period
1	2014_HFWD_74190_1	Slow Extended daily Dialysis (SLEDD) Machine	G.I. Surgery	1	5 years	5 years
			Cardiology	1		
2	2014_HFWD_74190_2	Rotational Atherectomy	Cardiology	1	5 years	5 years
3	2014_HFWD_74190_3	E.P. System with Stimulator and Radio Frequently Ablator	Cardiology	1	5 years	5 years
4	2014_HFWD_74190_4	Pressure Injector for Catherization	Cardiology	1	5 years	5 years
5	2014_HFWD_74190_5	Continuous Renal Replacement Therapy unit	Anaesthesia	1	5 years	5 years
6	2014_HFWD_74190_6	Portable colour Doppler Ultrasound	Anaesthesia	2	5 years	5 years
7	2014_HFWD_74190_7	Anaesthesia Workstation with Multiparameter Monitor	Anaesthesia	6	5 years	5 years
8	2014_HFWD_74190_8	3 Tesla MRI Machine	Radiology	1	5 years	5 years

Part II: Required Delivery Schedule:

a) For Indigenous goods or for imported goods if supplied from India:
90 days (for item at sl. no. 8) and 60 days (for items at sl. nos. 1 to 7) 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).

b) For Imported goods directly from foreign:
90 days (for item at sl. no. 8) and 60 days (for items at sl. nos. 1 to 7) 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).

c) Installation and commissioning shall be done within 90 days (for item at sl. no. 8) and 15 days (for items at sl. nos. 1 to 7) of receipt of the stores/ goods at site or within 90 days (for item at sl. no. 8) and 15 days (for items at sl. nos. 1 to 7) of handing over the site for installation, whichever is later.

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

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 Store.

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 XXI

Section – VII
Technical Specifications

Item No. 1

Slow Extended daily Dialysis (SLEDD) Machine

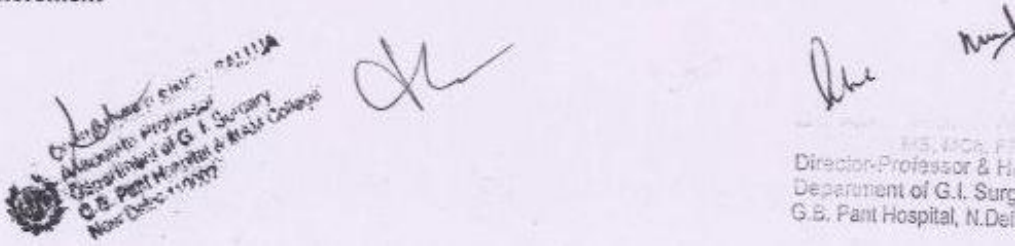
1. The machine should perform following therapies.
- Extended Daily Daily Dialysis(EDD)
- Slow Extended Daily Dialysis(SLEDD)

2. Acetate & bicarbonate dialysis
3. Volumetric Ultrafiltration
4. Sodium & UF profilings
5. Build in Online Clearance Monitoring for real-time measurement of urea clearance (KT/V) and plasma sodium
6. High resolution LCD color display.
7. Volumetric ultrafiltration : The rate of ultrafiltration shall be determined entirely by the UF pump, which attached to the close balancing system.
8. Self-test during treatment: The equipment shall perform a self-test during treatment automatically in a fix period not less than 15 minutes to ensure all the components are working properly.
9. Blood Pump : Flow rate range: 15 – 600 ml/min for haemodialysis in 5 ml/min increment, Accuracy: ± 10%
10. Heparin Pump : Infusion rate: 0.1 - 10 ml/hr in 1 ml/hr increment, Accuracy: ± 5%
11. Air Detection: Alarm shall be activated for air bubbles and micro-bubbles over the entire blood flow range.
12. On detection of excessive air on the venous line, the blood pump shall be stopped and the venous return line shall be clamped at a point below the air detector.
13. The Machine should be supplied with a portable RO system of 125 liters per hour capacity, which meets Aami standard
14. Ultrasonic air sensor shall be used for preventing being affected by ambient light.
15. Treatment Facilities
- Acetate dialysis
- Bicarbonate dialysis
- Variable sodium and bicarbonate
- Volumetric Ultrafiltration
- Sodium and UF profiles
-

16. Dialysate Flow Rate
- 0, 200, 300, 500 or 800 ml/min, user-selectable
- Accuracy: ± 10%

17. Temperature control and alarms
- Control range: 35.0 to 39.0 °C in 0.5 °C increment
- Alarm limits: 33.5 to 40.0 °C

18. Conductivity Control and Alarms
- The dialysate conductivity shall be adjusted by setting the sodium concentration
- For acetate dialysis, sodium concentration shall be adjustable from 125 to 150 mmol/l. in 1 mmol/L increment



☿ Conductivity measurement
Range: 12.8 to 15.7 mS/cm.
Accuracy: ± 0.1 mS/cm
19. Blood Leak Detector
20. Volumetric Ultrafiltration Control
□ Control range: 0 to 4L/hr given by the set values of UF volume and treatment time
□ Accuracy: ± 1%.
21. It shall be capable of on-line preparation of bicarbonate dialysis fluid.
22. Ultra-Pure Dialysate Filter
□ For haemodiafiltration, both pre-dilution & post-dilution of blood shall be available.
□ The equipment shall have 2 ultra-pure filters to prepare the online substitution fluid.
23. The equipment shall digitally display the parameters:-
□ Arterial pressure
□ Venous pressure
□ Blood flow rate
□ Dialysate conductivity
□ TMP
□ UF volume
□ UF rate
□ Remaining treatment time
□ Heparin infusion rate
□ Alarm information in text format
24. Battery Backup: The equipment shall be able to operate and monitor the extracorporeal circuit
without interruption for at least 15 min. in case of AC power failure by backup battery.
25. Disinfection and Cleaning: Both chemical and heat disinfections shall be performed.
26. The machine should be supplied with portable RO system of 125 liters capacity, which meets AAMI standards. Following are the specification of Online Water Treatment Unit (WTU).
1) Should be of imported compact design on wheels for easy movement.
2) Should be able to produce 125 Liter/Hour of permeate.
3) The system must be Microprocessor based.
4) In build Capabilities to show on display for Permeate (Supply in liter/min, Temperature) & for Raw Water (Consumption in Liters/min & Pressure)
5) Should have build in dual column softener with fully automated brine, fill and clean cycles, also have a brine tank incorporated in the system.
6) Should have build in cartridge type Charcoal Filter.
7) Should have fully automatic disinfection system in place.
8) Should have build in cartridge filter of 10 Micron and 5 Micron.
9) Should have programmable fully automated Rinse cycle for membranes wash.
10) There should be a provision of OFF line mode and ONLINE mode of Permeate Supply, In case permeate supply is to be used to run dialysis machines directly without collecting permeate to should be possible.
11) There should be a water saving system in place which adjusts the output to the number of machines in and control yield accordingly.

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12) Should not have noise level more than 65 dB
13) Should deliver the water quality as per AAMI standard.
14) Yield setting should be between 50 to 70 %.
15) Should have EC certification attached with tender document.

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Item No. 2

Technical specifications for rotational atherectomy system

1. Percutaneous rotational coronary atherectomy system should be quoted.
2. The standard rotational atherectomy system should include the advancer, catheters, pre-connected exchangeable system, guidewires and system lubricant.
3. The rotational atherectomy system console should regulate the flow to advancer, controlling burr rotation speed. It should also monitor and display burr rotation speed and procedure time.
4. The foot pedal should activate the burr by initiating the flow of air through the system. It should also switch the system into and out of dynamic mode, which facilitates burr exchange or removal.
5. 220-240 V A.C Voltage with the frequency of 50-60 Hz.
6. Multiple Rotalink Catheters of varying sizes and with a single Rotalink Advancer for easier more effective debulking.
7. Rotational speed should range from 0-2,50,000 rpm.
8. Diamond coated elliptical burr with sizes 1.25mm, 1.5 mm, 1.75mm, 2.00mm and with Catheter Length of 135 cm- 5 each should be provided.
9. Compatibility with 0.014(tip)/.009" guidewire with 325 cm in length and Floppy, and Extra Support System.
10. Approval by International standards agency US FDA or Equivalent
11. System should have five years comprehensive warranty followed by further five yrs labor warranty after expiry of CMC.

25/11/14

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(Dr. Balram Bhargava)
(External Expert)

Item No. 3

Technical Specifications for Cardiovascular Electrophysiology (EP) and Radiofrequency Ablation System (1 Nos)

The entire system would be composed of an EP recording system, a computerized stimulator, and a radiofrequency (RF) ablator generator

Specifications for EP System and Stimulator

1. US FDA/CE approved
2. Should be equipped with 12 lead surface ECG system
3. At least 50 intracadiac channels
4. Should have the facility of simultaneous display of blood pressure on active screen
5. Facility of offline independent review of data and hardware/software setting on a separate installed unit
6. Must be supplied with compatible laser printer
7. EP system should be windows based and be reviewable with software that can be loaded into any suitable configuration PC/laptop
8. Data storage in standard HDD, writable patient data CD//DVD
9. Easy to use with simple commands on single keyboard
10. Provision of retro recording for at least 30 seconds
11. Selectable amount of data to be stored per patient
12. Online display of RF parameters during ablation
13. Amplifier with minimum 16 B sample conversation rate at 2 KH or more
14. User configurable reporting format
15. Data transfer to power point , jpeg or similar image formats
16. Aggregate report of RF delivered for each case
17. Should be compatible with all generators including RF and cryo
18. Should be compatible with 3D mapping systems including Ensite and CARTO

Stimulator system

1. Should be compatible with EP system
2. Computerized stimulator
3. Should have a minimum of 9 pre-programmed protocols and 10 user defined protocol & upto at least 5 extra stimuli.
4. US FDA/European CE approved

Radiofrequency ablator system

19. Minimum 100 W RF ablator
31. Compatible to thermistor or thermocouple and catheters of all leading companies
32. Memory features for ablation parameters storage and recall
33. Preferably have auto-cut off option
34. Both temperature and power control modes available
35. Should be FDA or CE (Europe) approved

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(Dr. Balram Bhargava)

Essential accessories for the EP System

20. 21" high resolution slim LCD monitors for console room: 2 Nos.
21. Laser jet printer: 1 Nos
22. Cart with castor wheels: 1 No
23. UPS for complete backup for at-least one hour

Other requirements

24. Provision of adequate training of technicians
25. Free of cost software upgrade and troubleshooting and technical support for at least 2 years
26. Comprehensive warranty for 5 years
27. Comprehensive maintenance contract for 5 years (post warranty)
28. Availability of spare parts for at least 10 years
29. AC power operation: UPS compatibility
30. Main power supply 220 V/50 Hz/single pass
31. Demo before approval and a working demo after installation is essential
32. Should have local technical and support staff available

Documentation

33. User/Technical/Maintenance manuals to be supplied in English.
34. Certificate of calibration and inspection.
35. 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.
36. List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
37. List of important spare parts and accessories with their part number and costing.
38. System should have five years comprehensive warranty followed by further five yrs labor warranty after expiry of CMC.

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(Dr. Baltaru Bhargava)

Item No. 4

Technical specifications of pressure injector

1. Should have Digital Powerhead Display
2. Display should indicate programmed protocol and volume remaining in the syringe
3. Should have easy, one finger operation
4. Syringes should be latex free and transparent syringes should provide a clear view of the contrast medium
5. Should have Air Detection and Warning System (ADAWS) that serves as an aid in identifying empty syringes and air bolus
6. Should have Touchscreen display for direct injection setup
7. Should have Protocol manager to store and recall user-defined protocols
8. Should have steady base with wheels
9. Flow Rate
   Angio-Cardiac and Angio-Peripheral Modes: 0.1 - 40.0 ml/sec
10. Pressure Limit
    Angio-Cardiac and Angio-Peripheral Modes: 75 -1200 psi
11. Syringe Sizes
    150 ml/200 ml empty syringes
12. Inject Delay
    0-300 sec
13. X-ray Delay
    0-300 sec
14. System should have five years comprehensive warranty followed by further five yrs labor warranty after expiry of CMC.

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(Dr. Bahram Bhargava)

Item No. 5
Continuous Renal Replacement Therapy unit

1. The system should be capable of providing the following therapies:
   a. Slow Continuous Ultra-filtrations (**SCUF**)
   b. Continuous Veno-Venous Hemofiltration (**CVVH**)
   c. Continuous Veno-venous Hemodialysis (**CVVHD**)
   d. Continous Veno-Venous Hemo-diafiltration (**CVVHDF**)
   e. Treatment facility for pediatric (body weight below 20 Kg) patient
   f. Therapeutic Plasma Exchange (**TPE**) for both Adult and Peadiatric
   g. Hemoperfusion (**HP**) for Adult and Peadiatric

2. The system should contain five pumps to control the flow rates of Blood, filtrate substitute, dialysate and pre-dilution pump.

3. Fluid control: The system should contain four precision scales for monitoring of the volumes of the total filtrate, substitute and dialysis, each scale should have maximum loading capacity of at least 10 kg.

4. Bar code reader to identify correct consumable is used in the machine

5. The system should have a Syringe pump for extracorporeal blood circuit for continuous heparinization if desired.

6. The syringe pump should have setting for both continuous and bolus delivery

7. The system should have facility for regional anticoagulation using 20 or 30 ml syringe

8. The system should have a provision for selecting pre or post dilution and Simultaneous pre as well as post dilution on CVVH and CVVHDF therapy modes

9. The flow rate accuracy should be within 10% of the set rate.

10. Facility to display dose calculation in the machine screen

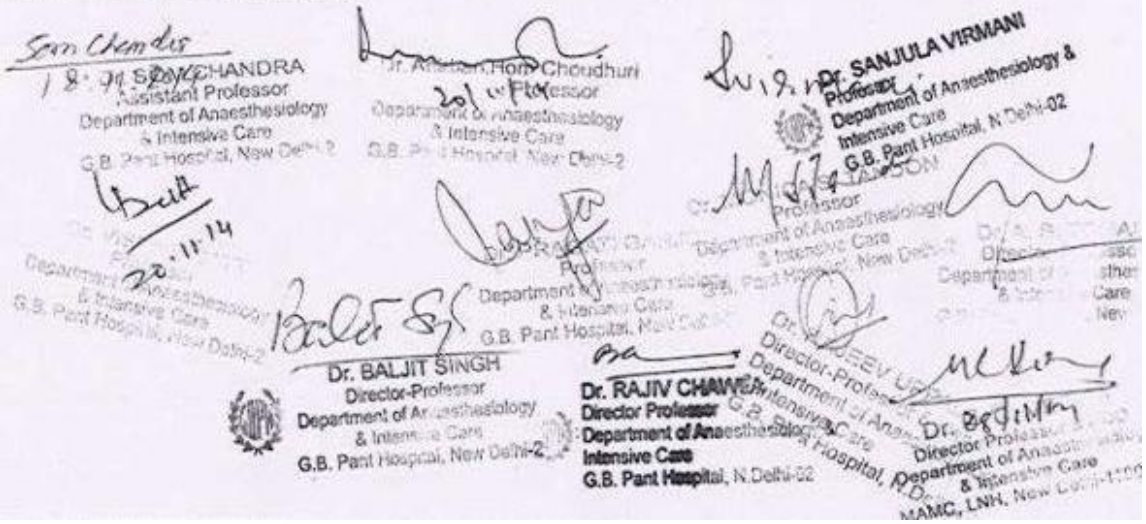
11. Facility for membrane separated pressure pod to monitor pressure to avoid Air and Blood interference

12. Special chamber to remove air bubble and to avoid Air-Blood interface during treatment

13. Dialysate flow rates should be in the range of 10-80 ml/min.

14. Replacement flow rate should be in the range of 10-80 ml/min

15. The machine should have facility for monitoring: arterial, venous, pre-filter and effluent pressures trans-membrane and differential pressure



16. Alarms should be present for each of the pressure monitoring parameters

17. There should be a high resolution TFT/LCD display. Preferably 12" screen.

18. Should have user interface with graphical treatment parameters on display

19. Should have memory backup of all events occurred for past 2 days.

20. Access to Service menu and therapy unlock facility via touch screen.

21. The machine should have on-screen user guidance with step-by-step instructions and integrated help function.

22. Machine should have auto loading, auto priming function

23. The machine should have following safety features:
    a) Capable of performing start-up test, prime test, self test (during treatment) to ensure that all functions are works properly.
    b) Ultrasonic air detector capable of detecting air bubbles greater than 20 microliter. There should be an alarm system for cautioning against presence of air bubbles. On detection of air bubbles in the venous line the blood pump should shut down.
    c) Blood leak detector with alarm.
    d) Anti-electrostatic device to avoid ECG interferences.
    e) High degree of protection against electric shock
    f) Machine should have CE certification or any other equivalent standard

24. Electrical Data
    a. The equipment should operate at a mains supply of 220V, 50 Hz single phase a.c
    b. Should be provided with a battery backup so that the system can operate and monitor the extracorporeal circuit for at least 15 minutes in case of power failure.

25. The successful bidder must provide on-site clinical training to responsible personnel

26. Machine warranty – 5 years + 5 years AMC from the date of installation

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(Dr.Pragati Ganjoo) | 20.11.14 (Dr.Vishnu Datt) | (Dr.Baljit Singh) | (Dr.Rajiv Chawla) | (Dr.A.S. Tomar)

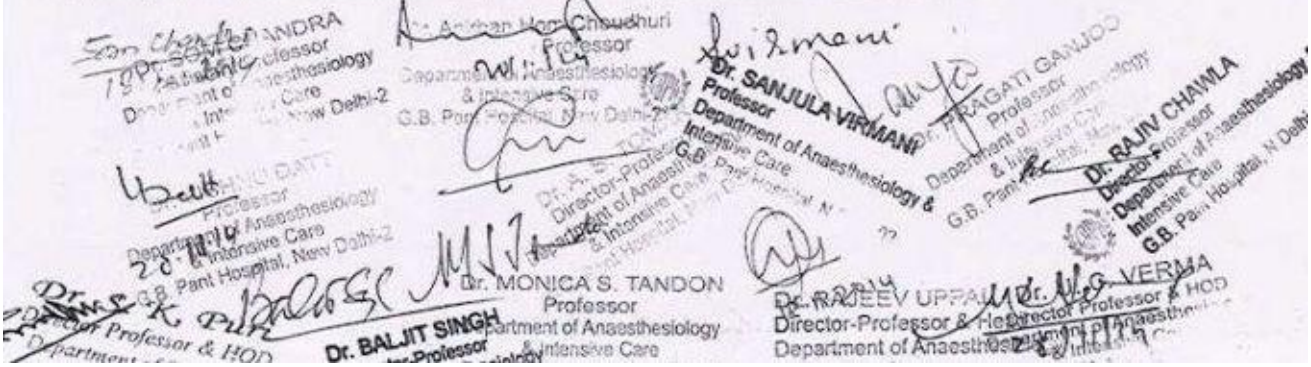
18.11.2014 (Dr. Rajeev Uppal) | (Dr.U.C.Verma) 28.11.14

Item No. 6

Technical specification For Portable Colour Doppler Ultrasound Unit

A state of art fully digital, compact portable Colour Doppler Ultrasound machine (weight <5 kg) is required with following technical features

1. Unit should be able to give very high image quality with advance technologies like compound imaging with at least 5 sights of lines for better cardiac contrast resolution, tissue differentiation and edge detection, equivalent to high end cart based systems. Please specify the technology.
2. System should be able to support speckle reduction imaging for better tissue differentiation and edge enhancement please specify the technology.
3. System should have both online (Read) as well as offline(Write) zoom facility
4. Imaging modes of Real time 2D, Colour Doppler, Power Doppler, Pulsed wave Doppler and Continuous wave Doppler must be available on all cardiac transducers.
5. System must have fast start up to scanning in less than 30 seconds from off condition, for use in critical and emergency situations.
6. System should support transducer technologies like phased array, convex, linear, TEE etc.
7. Cine memory on all modes.
8. The system shall process a dynamic range that is at least 165db. The system must display at a maximum depth of 35 cm.
9. The system must have a dedicated cardiac calculation packages with PISA, TDI calculation packages, vascular calculations package.
10. The unit must be compact, portable and lightweight, weighing less then 5 kg.
11. Unit must be sturdy, resistant to breakage & damage on fall/ hit against the wall or hard surface for out of the hospital use.
12. Flat LCD/ TFT monitor of at least 10 inches with flicker free image.
13. Alphanumeric soft keys keyboard with easy access scans controls, facility to sanitize the system keyboard to avoid cross contamination.
14. The system must have the ability to function by AC/DC or battery power with the same degree of functionality, the battery life (run time) shall be al least 2 (Two) hours, this need to demonstrate.
15. The system must have archive capability for storage and retrieval of images and clips.
16. The system shall support the all DICOM functionality, Storage, Print, and Work List, also ready to connect to PACS.
17. The manufacture shall provide a loaner system in case of failure of system.
18. System should posses software for Enhanced Needle Visualization to track the needle clearly at steep angles during the procedures while maintaining striking image quality of the target structures and the surrounding anatomy with simple On/Off functionality. This Facility should be available on both High frequency Linear and Curvilnear probes for superficial as well as deeper blocks.
19. The system and transducers should be both US FDA and European CE certified.



Transducers to be supplied as standard

a. Convex 2-5 MHz for abdominal & FAST applications
b. High Frequency Linear transducer 6-12 MHz for vascular access, small parts, vascular, musculoskeletal applications
c. 1-5 MHz broadband phased array transducer for cardiac applications
d. Mobile cart with transducer holder and space for printer

Optional probes to be quote with Price.

a. 5-8 MHz multi-frequency, broadband micro convex array transducer for paediatric abdominal, neonetal head applications
b. High Frequency Linear transducer 6-13 MHz (+/- 1MHz) or more with less then 26 mm footprint size for vascular access, Vascular Imaging in Peadiatric patients. Higher frequency will be preferred.
c. B/w Thermal Printer.
d. Mobile cart with transducer holder and space for printer
e. Needle guide for linear, intracavitory & convex transducer

ESSENTIAL REQUIREMENT: The firm must have minimum number of 50 installations of the same model in India, attach list of installations, and also provide performance certificates.

WARRANTY: The unit, transducers and all accessories should be covered with comprehensive onsite warranty for five years commencing from the date of issue of installation certificate.

Som Chandra 28.11.2014
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Item No. 7

TECHNICAL SPECIFICATIONS ANAESTHESIA WORKSTATION	
MODEL: ANAESTHESIA WORKSTATION WITH MULTIPARAMETER MONITOR	
Sl. No.	**Specifications**
1	**Description of Function**
1.1	Anaesthesia workstation is used for delivering anaesthetic agents to the patients during surgery.
1.2	The complete unit also monitors vital signs and ventilates the patients, and can also provide interactive platform for detailed data charting.
2	**Generic description**
2.1	Anaesthesia machine complete and integrated with Anaesthesia gas delivery system; Circle absorber system; Precision vaporizers for Isoflurane and Sevoflurane; Anaesthesia Ventilator; Monitoring system to monitor Anaesthetic gases, ECG, EtCO2, FiO2, Pulse Oximeter, and airway pressures, NIBP, IBP (Number as required), temperature monitoring, and complete vital signs monitoring solution **from a single manufacturer to ensure that all the components work in synchrony.**
2.2	Essential accessories to make the system complete and compatible with the existing system of gas outlets.
2.3	The machine should have a table top to keep essential accessories, drugs, equipment and have at least one deep drawer.
2.4	The system should have minimum of 60 min battery backup for the entire unit.
3	**Gas delivery system**
3.1	Should be compact, ergonomic and user friendly.
3.2	Machine should provide electronic gas mixing and gas mixer response time of less than 1 second.
3.3	It should have dual gas sensing capability with automatic gas flow check.
3.4	It should have digital pressure sensing for Cylinder & pipeline pressure.
3.5	It should have colour TFT display of at least 12" size to display three real time waveforms simultaneously and virtual (electronic) flow meters for O2, N2O or air.
3.6	Dual flow sensing capability at inhalation and exhalation ports.
3.7	Should have back-up O2 control which provides an independent fresh gas source and flow meter control in case of electronic failure.
3.8	Gas regulators shall be of modular design.
3.9	One yoke each for Oxygen & Nitrous oxide. Separate pipeline inlets for oxygen, Nitrous oxide and air.
3.10	It should have electronic hypoxic guard to ensure minimum 25% O2 across all O2-N2O mixtures and should also have oxygen failure warning alarm.
3.11	Automatic identification of anaesthetic agent and digital display of the

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Dr. MONICA S. TANDON

	agent concentration and airway gases on the integrated colour monitor display.
3.12	It should have facility to show measurement of gas/agent consumption during and at the end of the case.
3.13	It should have auxiliary oxygen flow meter independent of digital flow meter.
3.14	Unlockable oxygen flush to deliver oxygen flow of at least 35 litres per minute.
3.15	Should have target controlled settings for oxygen and anaesthetic agent based on continuous of patient's end tidal oxygen and end tidal anaesthetic agent values to reduce agent consumption in low and minimal flow anaesthesia
3.16	Should have CPB mode.
3.17	Should have automatic nitrous oxide cut off in case of oxygen failure.
3.18	Should have paramagnetic oxygen analyser for the delivered gas mixture.
3.19	The workstation should be capable of delivery of low flow anaesthesia at a minimum flow rate of 350ml/min.
4	**Breathing system**
4.1	It should be compact, Latex free and fully autoclavable at 134 deg C and have fewer components and connections to reduce chances of leaks and misconnections. It should be possible to dismantle or assemble the breathing system without requirement of tools.
4.2	Flow sensing capability at inhalation and exhalation ports, sensor connections shall be internal to help prevent misconnections.
4.3	Breathing system should have low circuit volume of less than 3 Litres for low flow anaesthesia delivery and faster response.
4.4	Sensor should not require daily maintenance.
4.5	Should have one step changeover from manual to mechanical ventilation.
4.6	Breathing system shall be located within the foot print of the machine.
4.7	Should have separate fresh gas outlet for using open circuit.
4.8	Adjustable pressure limiting valve shall be flow and pressure compensated.
4.9	Ventilator bellow shall be integrally mounted to the breathing system.
4.10	Should have CO2 absorbent chamber canister integrated in breathing system with bypass facility.
5	**Vaporizer**
5.1	New generation vaporizer must be isolated from the gas flow in the 'off' position and prevent the simultaneous activation of more than one vaporizer.
5.2	Vaporizer should mount to a Selectatec manifold of at least two vaporizers, which allows easy exchange between agents. Vaporizers for Isoflurane and Sevoflurane shall be included in the package.
5.3	The vaporizers should be temperature, pressure and flow compensated and maintenance free for lifetime not requiring any calibration

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5.4	Desflurane vaporizer shall be quoted separately.
6	**Ventilator**
6.1	The workstation should have integrated anaesthesia ventilator system for Neonates to adult with display of parameters and controls on the integrated touch screen TFT display.
6.2	Ventilator should be either pneumatic or piston driven.
6.3	Ventilator should essentially have the following ventilation modes – Volume Control, Pressure Control, SIMV, Pressure Support with apnoea back-up, Volume assured pressure control ventilation.
6.4	Ventilator should have tidal volume compensation capability to adjust for losses due to compression, breathing circuit compliance and leaks, and fresh gas flow compensation.
6.5	Ventilator shall have a "bag mode" to allow manual ventilation separate from the electronic component of the work station
6.6	Ventilator should be capable of at least 100 L/min peak flow to facilitate rapid movement through physiologic "dead space" in the Pressure Control mode.
6.7	Ventilator display should show three wave form at the same time.
6.8	Ventilator shall have gas composition correction capability.
6.9	Ventilator should have Automatic Low pressure/ disconnect alarm and does not require operator intervention.
6.10	Ventilator should have spirometry loops.
6.11	Ventilator should have option for inspiratory pause and lung recruitment facility.
6.12	Ventilator shall have the following parameters:
	a. Tidal volume (VT) Range: 20 to 1400 ml (Volume Control & SIMV mode)
	b. Rate: 4 to 100 breaths per minute for Volume Control and Pressure Control 2 to 60 breaths per minute.
	c. Inspiratory/expiratory ratio: 2:1 to 1:8.
	d. Positive End Expiratory Pressure (PEEP); off, 4-30 cm of H2O
7	**Anaesthesia monitoring system :**
7.1	Monitoring system shall be modular in design with at least 19" colour TFT/LCD Display mounted on the anaesthesia workstation on a swing arm.
7.2	Facility to display a minimum of 12 waveforms.
7.3	Should have facility for storage of least 48 Hrs of graphical and numerical trends.
7.4	It should be modular in design with module rack.
7.5	It should have module for Automatic identification and measurement of Inspired and expired concentration anaesthetic agents and gases I.e. CO2, O2 (paramagnetic) and N2O. Facility to measure MAC value and balance gas.
7.6	SpO2 measurement by Masimo or Nellcor technology
7.7	Should have haemodynamic monitoring modules for measuring 5 lead ECG, ST segment/arrhythmia monitoring, Respiration measurement / 2 Channel of IBP/NIBP and two channels of temperature.

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7.8	It should have depth of anaesthesia monitoring by means of BIS (to be quoted separately)
7.9	Should have capability of inserting or removal of module without interrupting other monitoring data.
7.10	Should have provision to install CO module for cardiac output measurement by thermo dilution method (to be quoted separately).
7.11	Should have haemodynamic, oxygenation, and ventilation calculation package
7.12	Should have facility to store snapshots during critical events for waveform review at a later stage
7.13	It should have graded audio-visual alarming system.
7.14	Should have provision for scalable networking, viewing, storing and export of patient data.
7.15	Should have at least four user configurable graphical trends pages.
7.16	Patient monitor system should be capable of monitoring adult, paediatric and neonatal patients and should be from the same manufacturer as the workstation to avoid compatibility issues.
7.17	It should be ready to run web based application like PACS, HIS, RIS, LIS, etc. on the same monitor screen as a standard feature. Should be able to view both Vital sign and Ventilator data from anywhere.
7.18	Should have for centralized server based Automatic electronic anaesthesia charting solution, which can run on the IT enabled patient monitor screen itself. Electronic charting solution should automatically collect data from IT enables patient monitor and anaesthesia ventilator. Scope of supply should include Centralised Automatic electronic anaesthesia data management & automatic Patient Charting solution software for all OR bed licenses. Central Main server for charting and web browsing with screen, keyboard mouse along with UPS and Network Printer.
7.19	On screen keyboard for entering data is desirable. It should preferably have USB ports to connect peripheral input devices and to take data output.
7.20	Should have provision to install NMT (neuromuscular transmission monitoring) module without change of basic unit (to be quoted separately).
8	**System configuration accessories, spares & consumables per unit**
8.1	Anaesthesia Gas Delivery system -01
8.2	Circle absorber –01
8.3	Ventilator -01
8.4	Vaporizer Isoflurane -01
8.5	Vaporizer Sevoflurane -01
8.6	Adult and Paediatric autoclavable silicone breathing circuits -02 each
8.7	Vaporizer Desflurane -01 (to be quoted extra)
8.8	ECG, Respiration: 5 lead cable, 2 numbers each.
8.9	NIBP Cuffs reusable: 2 adult, 2 paediatric and 1 neonatal.
8.10	SpO2 sensor reusable: adult, paediatric, ear probes 2 each
8.11	Temperature: nasopharyngeal probe, adult & paediatric 2 each per monitor.

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8.12	BIS: 25 numbers of disposable sensors per monitor.
8.13	AGM: Side stream accessories, 25 numbers (moisture trap, connecting tubing etc.)
8.14	IBP: 4 transducers with reusable connecting cable & 50 transducer domes.
9	**Environmental factors**
9.1	The unit shall be capable of operating continuously in ambient temperature of 10 deg C – 40 deg C and relative humidity of 15-90%
9.2	The unit shall be capable of being stored continuously at ambient temperature of 10 deg C – 50 deg C and relative humidity of 15-90%
9.3	Shall meet IEC-60601-1-2: 2001(or Equivalent BIS) General requirements of safety for electromagnetic compatibility.
9.4	Safe disposal system/port of waste anaesthetic gases (Active AGSS anaesthetic gas scavenging system/Port) should be supplied complete with all peripherals to connect to hospitals AGSS outlet. Supplier will be held responsible if this is not ensured at the time of installation
10	**Power supply**
10.1	Power input to be 220-240VAC, 50Hz, fitted with Indian plug.
10.2	It should have battery backup for at least 60 min.
11	**Standards, safety and training**
11.1	Should be FDA or European CE approved product.
11.2	Electrical safety conforms to standards for electrical safety IEC 60601 / IS-13450.
11.3	Manufacturer should be ISO certified for quality standards.
11.4	Certified to be compliant with IEC 60601-2-13-Medical Electrical Equipments part 2-13: Particular requirements for the safety of Anaesthesia workstations.
11.5	Accessories, software, hardware components, server required to meet the compliance mentioned should be quoted separately.
11.6	Should have local service facility and the service provider should have the necessary equipments recommended by the manufacturer to carry out maintenance test as per guidelines provided in the service maintenance manual.
11.7	On site comprehensive warranty should include hardware and software.
11.8	All guarantee and warranty should be provided by the principal international supplier along with local supplier.
11.9	Back to back warranty to be taken by the supplier from the principals to supply spares for a minimum period of ten years.
12	**Documentation**
12.1	User manual and service manual in English
12.2	List of important spare parts and accessories with their part number and costing
12.3	Must submit user list and performance report within last 5 years from major hospitals

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12.4	Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page, para number of original catalogues sheet. Any point if not substantiated with authenticated catalogue manual will not be considered
12.5	Log book with instructions of daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out

Full demonstration of the equipment with full specifications when asked is a must

- Comprehensive Warranty should include consumables, parts having limited life and non-consumables parts like probes, metal/ plastic/ rubber/ glass parts, expendable/non-expandable/disposable/non-disposable items/electrical circuits/electrical parts etc.
- Comprehensive Warranty should cover each and every part of the equipment. The hospital is not liable to pay any charges on any account during the comprehensive warranty period of 5 years, for continuous running of the equipment.
- Comprehensive Maintenance Contract: The contractor shall enter into a Comprehensive Maintenance Contract (CMC) compulsorily for a period of (5) five years after expiry of Standard Comprehensive warranty of five years and the year wise charges quoted in the financial bid. This period of CMC shall cover each and every part of the equipment the hospital is not liable to pay any charges on any account during the CMC period of five years for continuous running of the equipment. The Charges of CMC shall be payable quarterly on pro rata basis from beginning of the 6th year after expiry of the standard comprehensive warranty of five years. The subsequent payment of CMC shall be made on satisfactory performance of the contractor in the preceding quarter
- Uptime Guarantee: During the Warranty/Guarantee & Comprehensive Maintenance Contract period, the contractor shall maintain the equipment with uptime. The contractor shall give a written commitment for 95% uptime of the equipment, calculated on annual basis, with penalty equivalent to double the amount of daily cost (on total loss of revenue per day running cost per day basis) of the unit for each day's delay in proper functioning of the unit beyond 5% down time per annum.

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Item No. 8

TECHNICAL SPECIFICATIONS FOR 3.0TESLA MRI SCANNER FOR G B PANT HOSPITAL, GNCT OF DELHI

Whole Body 3.0 Tesla Magnetic Resonance Imaging System optimized for maximal performance in Whole Body and Vascular examinations with superconducting magnet, high performance gradients and digital Radio Frequency System. The vendor should quote the latest model. Any up gradation / new features launched prior to the installation of the equipment should be part of the supply, even if not quoted at the time of submitting the bid. The vendor should quote the highest channel available with them. Please mention the year of launch of quoted model.

The offered model should be USFDA approved. Authentic and legible certificate for the same be annexed.

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1	**MAGNET**
A	3.0T active shielded super conductive magnet should be short and non claustrophobic.
B	It should have at least 70 cm patient bore with flared opening.
C	Magnet length should be less than 200cm.
D	Homogeneity of magnet should be less than 3.5 ppm over 40cm DSV (Guaranteed homogeneity) Homogeneity should be maintained in large FOV, fat saturation and applications like cardiac, functional MRI, diffusion tensor imaging and spectroscopy. System with the highest homogeneity to be quoted
E	The magnet should be well ventilated and illuminated with built in 2 way intercom for communication with patient.
F	Cryogen vessel to be of Helium only with appropriate super thermal shielding and refrigeration facility for minimum Helium boils off . It should have a built in cryo-cooler such that helium consumption does not exceed 0.05 lit/ hour.
G	There should be a Helium level monitoring equipment in the magnet and facility for appropriate quick shutdown of the magnet in the event of emergency
H	Active shielding/Fringe field- quote values for 5 Gauss and 1 Gauss line
I	External shielding-external interference shield (sufficient to house the magnet, anesthesia and physiological monitors) should be provided.
2	**SHIM SYSTEM**
A	High performance, highly stable shim system with global and localized automated shimming for high homogeneity magnetic field for imaging and spectroscopy. (3D shimming for volume imaging and CSI).
B	Auto shim should be available to shim the magnet with patient in position
3	**GRADIENT SYSTEM**
A	Actively shielded Gradient system in all x y & z planes.
B	The gradient should be actively shielded with each axis having independently a slew rate of at least 200 T/m/s and peak amplitude of 40mT/m, (higher slew rate and peak amplitude will be preferred) These true slew rates should be available in each axis independently, for overall better duty cycle performance of the gradient.
C	The system should have efficient and adequate Eddy current compensation
D	Effective cooling system for gradient coil and power supply
4	**RF SYSTEM**
A	A fully digital RF system capable of transmitting power of at least 25 KW or more (~~Dual~~) with a combination of RF power amplifiers. System should be capable of Multi Transmit with Multi

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	amplifier driving /true shape for better B1 homogeneity. Specify transmitter frequency range (10-86 MHz)
B	It should also have at least 32 independent RF receiver channels with each having bandwidth of 1 MHz or more along with necessary hardware to support quadrature ICP array/Matrix coils. The highest receiver channels available / mentioned in the product catalogue with the vendor should be quoted.
C	It should support Parallel acquisition techniques with a factor of 4 or more.
D	Should allow remote selection of coils and / or coil elements
5	**PATIENT TABLE**
A	The table should be fully motorized with computer controlled table movements in: vertical and horizontal directions. Position accuracy should be +/- 1.0 mm or better. Specify the patient load capacity.
B	A CCTV system with LCD display to observe the patient should be provided: Moving table angiography should be possible
C	There should be a hand held or auto alarm for patients.
D	Emergency manual traction of the patient from the table should be possible.
E	Table Technology –Bolus chasing with the automatic/continuous moving table should be offered and should be available with fluoro triggered MR angiography for manual and fast switchover in less than 1 sec for CE-MRA. Latest table technology available with the vendor should be quoted.
6	**COMPUTER SYSTEM /IMAGE PROCESSOR/ OPERATOR CONSOLE**
A	The main Host computer should have a 19 inches or more high resolution LCD TFT or LED color monitor with 1024 x 1024 matrix display
B	The system should have image storage capacity of 100 GB for at least 200,000 images in 256x256 matrix.
C	Additional storage of 25 terabytes to be offered. It should be possible to transfer the images from this storage to main console or workstations
D	The reconstruction speed should be at least 10,000 images per sec or more for full FOV 256 matrix.
E	The main console should have facility for music system for patient in the magnet room. The system should have DVD/CD/flash drive archiving facility. Supply 5000 DVDs along with the system. The system should be provided with auto DVD writer. It should be possible to record multiple cases on the DVD
F	Two way intercom system for patient communication.
	Patient monitoring devices for ECG, respiratory rate, pulse rate,O2 saturation at console.
G	MRI System should be enabled and networked to RIS / HIS
7	**MEASUREMENT SYSTEM**
A	Largest Field of View should be at least 45 cm in all three axis, higher FOV will be preferred
B	The measurement matrix should be from 128x128 to 1024x1024.
C	Minimum 2D slice thickness mm should be equal to or less than 0.5mm
D	Minimum 3D slice thickness mm should be equal to or less than 0.1mm
8	**COIL SYSTEM**
A	The main body coil integrated to the magnet must be Quadrature/CP. In addition to this following coils should be quoted
B	Multi Channel Head coil with at least 16 Channels for routine brain imaging
C	Multichannel Head with 32 channel or more for EPI/DTI and f MRI application..
D	Neuro-vascular Coil with 20 or more channels or Head/Neck Coil combined, capable of high resolution neuro-vascular imaging or combination of head and neck coli for similar coverage.
E	Spine Array/Matrix Coils for thoracic and lumbar spine imaging with at least 32 channels acquisition per exam

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F	Body Array/Matrix coil with at least 48 cm z axis coverage for imaging of abdomen, with at least 32 channels Acquisition for body part angiograms and heart. In case one coil cannot provide this coverage then multiple coils should be offered. (The best available body coil with the vendor must be supplied).
G	Suitable surface coil for peripheral angiography application imaging with at least 32 channels acquisition for examination
H	Suitable Knee Coil at least 12 channel or more transmit and receive coils.
I	Flex Coil large and small (at least two to be provide).
J	Small flex coil 8 channel or more for pediatric applications and for neonatal head and neck imaging.
K	Cardiac Coil/suitable/coil combination, 32 channels or more for dedicated cardiac work.
L	Suitable coil for carotid plaque imaging may be quoted separately as an optional item.
M	Total number of coils 10 (Ten) excluding the main body coil integrated to the magnet and optional carotid coil.
N	The coil system should permit coverage of 200 cm.
O	A caddy to be provided for storage of coils.
P	The system should continuously monitor the RF coils used during scanning to detect failure modes. RF coils should not require either set up time or coil tuning; Multi coil connection for up to 2 or more coils simultaneous scanning without patient repositioning i.e. like 4GTIM/GEM/Flex-stream coil combination should be quoted as standard.
Q	Please specify the number of coils quoted.
9	**Application Package**
A	**Data acquisition:**
1.	The system should be capable of 2D and 3D acquisitions in conventional, fast and ultrafast spin echo and gradient echo modes so that real-time online images can be observed if needed. All the sequences that are available with the vendor at the time of delivery should be provided as per their manual.
2.	2D multi-slice imaging should be possible in all planes (axial, sagittal, coronal, oblique and double oblique).
3.	Up to 1024 x 1024 matrix acquisitions preferred for all applications
4.	Half Fourier or other techniques to reduce scan acquisition time while maintaining adequate SNR.
5.	3D volume, multiple contiguous slabs, multiple interleaved and multiple overlapping slabs.
6.	Slice thickness in 2D and partition in 3D to be freely selectable.
7.	Dynamic acquisition (serial imaging) with capability to initiate scan sequences either from the magnet panel or from the console.
8.	Dynamic acquisition: number of repeat scans with delay time either identical time interval or selectable.
9.	Auto slice positioning from the localizer images
10.	Maximum-off center positioning both anterior-posterior and lateral direction and should be selectable.
11.	Gating: physiological signals like ECG, pulse, respiratory
12.	External signal triggering (interface for triggering input pulse from external source). The provision should be available at the console also (for f MRI, EEG, etc)
13.	Simultaneous acquisition, processing and display of image data in 2D multi-slice mode

14.	Selection of voxels from oblique slices should be possible while doing spectroscopy.
15.	Artifact reduction/ imaging enhancement/ image filtering/ image subtraction/ addition/ multiplication/ division techniques:
16.	Flow: 1st and 2nd order flow artifact compensation
17.	Presentation slabs: a number of reloadable saturation bands to be placed either inside or outside the region of interest
18.	Graphic prescription
19.	Fat saturation techniques: frequency selective RF pulses to suppress fat signals in the measured image FOV. ROI selective (regional) fat suppression should also be given.
20.	Magnetization transfer saturation: Off resonance RF pulses to suppress signals from stationary tissue in FOV
21.	Phase contrast capability in 2D and 3D mode: Image intensity correction
22.	Breath hold acquisition
23.	EPI mode
24.	DTI with MDDW or equivalent with a minimum of 12 and selectable upto 64/256 direction encoding
25.	Data acquisition in all three standard planes (axial, sagittal and coronal) and oblique and double oblique planes or more oblique planes
26.	Higher matrix acquisition capability in single shot EPI. Acquisition time, TR, TE and slice thickness should be clearly mentioned and supported by data sheet reference.
27.	The vendor should offer multi coil acquisition in order to optimize throughput increase and increased effective FOV. Individual acquisition elements of every coil should be mentioned.
B	**Imaging pulse sequences:**
1.	All standard and special pulse sequences available at the time of quote/delivery should be offered and quoted in the bid. Fat suppression for high quality images inversion recovery and Dixon method/ IDEAL/ 3D Dual Echo/ m-Dixen. The system should acquire motion artifact free images in T2 studies of the brain in restless patients. Dynamic study for pre and post contrast scans and time intensity studies.
2.	The system should be capable of selecting TR and TEs as per requirement in majority of the pulse sequences.
3.	Spin echo (SE): multi-slice single echo, multi-slice multi-echo (8 echo or more), SE with symmetrical and asymmetrical echo intervals and fast spin echo. MT-SE imaging sequence.
4.	Inversion recovery (IR): including short T1 modified IRSE, FLAIR, DIR (Double inversion

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.	recovery).
5.	Gradient echo (GE): with transverse gradient/ RF spoiling and transverse gradient rephasing, e.g., GRASE or equivalent etc. 3D gradient echo with shortest TR and TE, free choice of angle selection, while maintaining SNR
6.	Fast sequences
7.	Fast spin echo and GE sequences in 2D and 3D mode with T1,T2 and PD contrast capable of acquiring maximum number of slices with a given TR at minimum TE, echo train should be at least 256 or more in fast spin echo mode
8.	Half Fourier acquisition capabilities should be available with/without diffusion gradients and in combination with fast spin echo
9.	Fast inversion recovery with spin echo
10.	Fast gradient spin echo IR multi-slice multi-echo mode with maximum ETL. Sequences should incorporate RF focusing to acquire ultra-fast gradient spin echo
11.	Fast gradient echo sequences should incorporate RF spoiling and other technique to acquire images in ultra-fast 2D and 3D modes, gradient echo with ETL of 255 or more.
12.	Fat and water suppressed imaging sequences
13.	EPI optimized sequences (with and without fat suppression) with ETL of 255 or more.
14.	For T1, T2, PD imaging, perfusion, regular diffusion values (at least 5b, 3 directions) EPI-FLAIR, EPI-IR, EPI-FLAIR diffusion tensor, EPI-MT-FLAIR, tensor diffusion (at least 16 b values in minimum 32 directions) and diffusion studies. Suitable artifact/ fat suppression techniques to be incorporated in the sequence to have optimum image quality.
15.	There should be capability of calculating ADC map(isotropic and anisotropy from the regular diffusion and tensor data)
C	**Special application packages:** The vendor must provide their specialized and optimized imaging sequences with post processing packages for (i) neuro, (ii) body, (iii) oncology, (iv) cardiac, (v)Angio, (vi) Ortho, (vii) pediatric and other applications. For example, this includes packages like optional/ premium/ advanced/ application suite/ etc. **Please give details of licenses for acquisition post-processing and for special packages quoted for the following applications**
a)	**Neuro Applications**
	Functional Imaging with package for BOLD Imaging and spectroscopic imaging and processing package with paradigm generator (non goggle based) with large high resolution monitor that can be moved to any part of the exam room. It should be fully integrated with MR console for driving the paradigms. Should have console computer , E prime, microphone, fiber optic cables

	etc.
i.	Functional Imaging with package for BOLD Imaging and spectroscopic imaging and processing package capable of real-time processing and display of color overlay (in real time) using 32-channel head coil being supplied with the system.
ii.	Complete f MRI solution including audio-visual projection system
iii.	The audio-video projection system should be compatible with the 32 channel head coil, and should include all attachments that may be required for complete integration
iv.	The system should be integrated with stimulus presentation/ paradigm generator along with licensed software (like superlab, eprime, presentation, etc.) which is capable of presenting audio-visual, audio, video (multiple formats), etc
v.	The paradigm presentation should be synchronize with the scanner (for starting and ending along with measurements)
vi.	Integration and provision near the console for external trigger (of the sequence) for synchronizing f MRI acquisition with paradigm.
vii.	Provision of serial ports and DB15 ports in the penetration panel for routing SVGA/EEG connections (one each for customer use) f MRI console should have all relevant functions to develop and integrate the paradigm, to deliver the paradigm and also, to monitor the task being presented. The volume control option should also be available with the operator (at a convenient place at the console).
viii.	Post-processing work station / server with post-processing software and hardware associated, with licenses for processing the BOLD data (with required licensed operating platform required like MATLAB, IDL, etc.)
ix.	The system should have the complete hardware & software for visual simulation with facility for generating all paradigm.
2	Arterial Spin labeling.
3	Perfusion imaging of brain with software for rBV, CBV etc analysis.
4	Susceptibility weighted imaging with phase information SWI/SWIp/ SWAN.
5	Multi Direction DTI with minimum of 32 directions. (Complete package including DTI quantification and tractography software). Prospective motion correction enabled software preferred. Spinal tractography should also be possible.
6	T2 Relaxometry and volumetric analysis for Hippocampus.
7	3D-T2 weighted Turbo Spin for volumetric acquisition reconstructed in any plane e.g. for

	lumbar spine and for nerve root analysis
8	High resolution imaging for inner ear. Please specify sequences
9	The system should have facility for flow quantification of CSF aqueduct, spinal canal, vessel flow. Both retrospective and prospective gating should be possible.
10	Whole spine imaging with fusion software.
11	Real time Brain Wave, Pre Acquisition / post processing or Inline BOLD or BOLD Specialist.
12	Sequences such as Double Inversion recovery for "Plaque Imaging' in Carotids to be provided.
	MR ventriculography, cisternography, myelography
b)	**Cardiac applications:**
1.	Advanced Cardiac Applications: VCG gating, Morphology/wall motion; Cine perfusion imaging; Myocardial viability imaging; Arrhythmia rejection techniques, Advanced Cardiac Ventricular Measurement Analysis; Cine Cardiac Tagging Techniques; Coronary artery techniques; real time interactive imaging, 2D/3D fast field echo/balanced/steady state techniques. Myocardial tagging, STIR for cardiac use, stress perfusion, 3D acquisition of whole heart in one breath hold.
2.	Coronary artery techniques; real time interactive imaging, 2D/3D fast field echo/balanced/steady state techniques and evaluation package on workstation/Clients.
3.	T1, T2, **T2* imaging.**
c)	**Musculoskeletal:**
1	High resolution imaging for cartilage and musculoskeletal imaging. Parametric MAP be available. dGEMERIC or equivalent, radial imaging for menisci and labrum
2	Whole body screening imaging studies for metastasis should be possible upto 200 cm without repositioning of the patient.
3	The system should have software package for evaluation of bone marrow.
d)	**Hepatobiliary and abdominal system.**
1	High resolution Abdominal and Liver imaging in breath hold and free breathing modes with respiratory triggered volume acquisitions with navigation and liver fat quantification software, and spectroscopy.
2	The system should have basic and advanced MRCP packages including free breathing and 3D techniques.

3	**Please quote Software cost for Liver Iron quantification separately as an optional item.**
4	Please quote software for MR Elastgraphy may be quoted separately as an optional item.
e)	**Vascular Imaging**
1	MR angio Imaging Should have 2D/3D TOF, 2D/3D Phase contrast (with and without gating and magnetization transfer saturation), black blood angiography for cerebral, pulmonary, abdominal and peripheral vessels and TONE, CEMRA, Facilities for high temporal and high resolution 4D angio imaging for time resolved vascular imaging with imaging frame of 40 frames/sec or more.
2	Bolus chasing with automatic and manual triggering from fluoroscopy mode to 3D acquisition mode with moving table facility for whole body application. Specify table movement. Inline subtraction should be available.
3	"Non contrast enhanced" peripheral angiography for arterial flow with Native/ Trance/inhance sequences.
4	Time resolved angiography with contrast kinetics like 4D TRAK /TWIST/ **TRICKS/TRACKS** .
5	Fast acquisition and reconstruction approach like KT Blast/mSense &GRAPPA/ ARC & ASSET for phase contrast velocity mapping
6	Perfusion study in organ systems like kidney, brain, heart etc. quantification of rCBF/ rCBV, MTT, etc, with color maps.
f)	**Diffusion Weighted Imaging** with at least b value of 7000 or more.
1	Whole body diffusion weighted imaging with background suppression.
g)	**Spectroscopy:**
1	The system should have the Hydrogen, Single Voxel spectroscopy, Multivoxel, Multislice & Multi-angle 2D, 3D Spectroscopy and Chemical Shift imaging in 2D / 3D. The complete processing / Post processing software including color metabolite maps should be available on main console and on all clients currently. Complete prostate, breast, liver spectroscopy hardware and applications should be provided.
2	Water and lipid suppression in automated sequences.
h)	Productivity improvement Techniques with availability of "Previous Scans" such as Smart Exam/ DOT engine /Ready for Brain etc. to be provided. Integrated exam planning should be possible. All filming, viewing and export options should be possible.
10	**WORK STATION**

	Multimodality Client server architecture-server with ~~two~~ Three concurrent clients (Dexus, Intelligence Portal, Syngo.via, etc. or higher). Capable of rendering **30000** images at peak performance. Workstation hardware should be industry standards, and should be the latest with the vendors, as per their globally launched product catalogue. Please quote separate licenses concurrently available for all 2 clients for all the application quoted. A reputed Anti- Virus Solution as well as for all clients, workstations should be in place. The vendor should provide antivirus updated for five years and make sure of the updated antivirus every week (using automatic update with internet facility by the vendor).
A	Both the workstation should work concurrently with multimodality client server architecture-server.
i)	Basic post-processing software including MIP, MPR, surface reconstruction and volume rendering technique, Image fusion , 3D evaluation 2 concurrent clients.
ii)	Advanced post-processing offered applications including FMRI, perfusion quantification, advanced diffusion and DTI on 2 clients concurrently.
iii)	Advanced cardiac evaluation(EF, Calculation, Wall motions, analysis) including perfusion analysis, processing of 2D/3D CSI data, with color metabolite mapping, quantification of CSF flow data, vascular analysis package **on 2 clients** concurrently. The clients should display cardiac cine images in movie mode with rapid avi creation.
iv)	Image Fusion software: Image filtering and image fusion software for co-registering MRI/f MRI. Calculation of Diffusion of Diffusion/Perfusion Mismatch. Overlay of perfusion and diffusion maps on anatomic maps and DTI Software for fusion of MRI and DSA. Advanced spine application package for nerve root analysis. Whole Body image fusion (composing)
v)	Each Client to have at least 19 inch LCD TFT 2MB pixel color monitor, with hard disk of at least 120 GB for at least 100,000 image storage in 256 matrix, and 4 GB RAM capacity. Total 2 client hardware and software to be provided.
vi)	Each of the client should enable printing in laser film camera and color printers
vii)	It should have necessary and adequate hardware and software for sending and receiving the patient data {text + images}.
viii)	Existing workstation of Somatom Sensation MDCT 256 in Faculty rooms should be linked with the workstation of 3T MR. The networking should be done in a manner that there is no loss of information during the transmission. All cabling to be done by the vendor.
ix)	The system should have DICOM 3.0 compliant interface and enabled for networking connectivity to Linux/ Windows based servers/ clients with patient ID labeling and integration to generic hospital information system/ PACS – Integration with existing network should be done.
11	**SAFETY FEATURES**
	The System should have following safety features

A	The magnet system should include an Emergency Ramp Down unit (ERDU) for fast reduction of the magnetic field with Ramp Down time below 3 minutes.
B	The magnet should have quench bands that contain the fringe fields to a specified value in the event of a magnet quench
C	Real time SAR calculation should be performed by software to ensure that RF power levels comply with regulatory guidelines and are displayed on each image
D	The system shall have manual override of the motor drive for quick removal of the patients from the magnet bore
E	Temperature sensor (built in) for magnet refrigeration efficiency must be provided
F	Silent MR should be quoted separately as an optional item.
12	**DOCUMENTATION**
A	One dry chemistry camera with resolution of 500 dpi or more. It should be digital DICOM 3.0 compliant i. The camera must be able to process up to 100 films/hour (min.) depending on the size ii. The system must deliver its first film within 80 seconds from request iii. The system must have contrast resolution of 16 bits/pixel or more iv. The system must have at least three online film sizes, and should be capable to print on any of the 8x10,10x12,11x14,14x14, 14x17 sizes. v. The system must not involve any wet process and must give a dry film in single stage (without any users intervention) functionally vi. Start up time should be less than 10 minutes vii. Easy day light loading viii. The system should be freely configurable by the user, to use any of the above mentioned size
B	The camera must be DICOM compatible. (Attach conformance statement.)
C	3 (Three) latest technology computer systems with three laser printers.
13	**UPS**
A	The UPS system should be provided for complete MRI unit with Chiller and emergency lights and for all accesoriers mentioned in the tender documents with at least 30 minute back up, preferably 150 kVA or more (specify kVA). Genset of adequate wattage to support the ACs and chiller to be provide. An emergency door or hatch should be provided in RF cabin.
14	**SUITABLE RF ENCLOSURE**
A	RF Cabin: The system should be supplied with the imported RF cabin with RF room shielding, RF Door screen, and interiors for the same should be carried out suitably.
15	**ACCESSORIES**
A	Dual head MRI compatible pressure injector with i. Non- Ferrous, automatic syringe size detection ii. It should be capable of performing single dual phase contrast injections, provides saline flush delivery and allows timed contrast delivery. iii. It should be possible to observe progress of injection and view injection results

	iv. 500 Sets of Syringes(2 Syringes+ Connecting Tube)
B	Water Chiller for Cold Head I Gradients
C	Patient comfort accessories i.e patient call button, two way communication, music system, head phones, non –magnetic I/V stand, restraint strap, comfort pads, knee support and positioning accessories to be supplied.
D	Latest MRI Compatible Anesthesia Machine (for adult and pediatric patient) with integrated Ventilator, 2 vaporizers, vital signs monitor & pulse Oximeter and suction machine to be provided with all technical detail supported with DPS of the Anaesthesia machine. **Specifications are attached in Annexure 1**

ANNEXURE 1

SPECIFICATION FOR MRI COMPATIBLE ANAESTHESIA MACHINE & MRI COMPATIBLE MONITOR

MRI COMPATIBLE ANAESTHESIA MACHINE SPECIFICATIONS

Should be MRI compatible at 3 T, antistatic, heavy frame & base with good quality castors with front brakes, with following features:

1. Three gas model, viz Oxygen, Nitrous oxide and Air
2. Should be compact, ergonomic, easy to use and easy to maintain.
3. Should have separate fresh gas outlet for use in open circuit.
4. Machine should have flow meters for Oxygen, Nitrous oxide and air. Emergency oxygen flush should be available. There should be facility to select oxygen air or oxygen nitrous oxide with the help of a separate switch or knob.
5. Dual flow sensing capability at inhalation and exhalation ports.
6. Should have paramagnetic /galvanic cell oxygen sensors. In case of galvanic cell sensors, the firm should supply free sensors for the entire warranty period of 5 years. In case of paramagnetic sensors, the firm shall ensure that there is no down time during repair of these sensors (if necessary) and provide a standby alternative.
7. Shall have back–up O_2 control which provides an independent fresh gas source and flow meter control in case of failure.
8. Pressure regulators shall be of modular design.
9. Should have oxygen fail-safe device & an auxiliary built in oxygen flow meter.
10. Electronic or Mechanical Hypoxic Guard to ensure minimum 25% O_2 across all O_2-N_2O mixtures and Oxygen Failure Warning.

Vaporisers:

11. Facility of mounting minimum two Vaporizers, latest technology, key filler, selectatec

type, tool free installation, meaning any vaporizer of our choice can be mounted at will with interlocking facility. It should be preferably of the same make as that of machine.

12. Temperature, pressure and flow compensated with high accuracy of delivered concentration of volatile anaesthetic agent. Should be maintenance free.
13. Two vaporisers should be supplied (Isoflurane, Sevoflurane).

Ventilator:

14. The machine should have an integrated Anaesthesia Ventilator system, facility to vary respiratory parameters and should be able to ventilate adult and paediatric patients including infants.
15. Ventilator should have Controlled, manual, spontaneous modes and provision for PEEP
16. Tidal volume (inspired and expired), respiratory rate, I: E ratio, minute volume, Airway pressure, & FiO2 should be continuously displayed.
17. Should have Tidal volume and fresh gas compensation mechanism
18. Audio-visual Alarms for high and low settings of pressure, volume and disconnection should be present.
19. Tidal Volume (VT) 20-1500 mL (Volume Control), Rate at least 4-80 BPM.
20. Inspiratory / Expiratory ratio (I:E) 2:1 to 1:6, & Peak Flow – 100 to 120 L/min.
21. Ventilator should have at least 30 min rechargeable battery backup for ventilator.
22. Machine should have an integrated breathing circuit with circle absorber of good quality, easy to clean, autoclavable, fewer parts to reduce leaks.
23. Machine should have mounting capability of one O_2 and one N_2O pin-indexed cylinder.
24. Adult autoclavable (2 sets) breathing circuits & one paediatric circuit to be provided.
25. The machine should be equipped with AGSS.

MRI COMPATIBLE MONITOR

Specifications for MRI compatibility:

1. Monitor should be equipped with MRI shielding and set to Remote Communication Mode.
2. Should be MRI safe at 5,000 Gauss, 3.0 Tesla and 4 W/Kg SAR
3. System should include fiber optic SPo2 finger sensor, MRI compatible ECG Patient Leads and electrodes, NIBP cuffs, hoses and etCO2 sampling kit and temperature probe

General specifications for monitor:

1. The monitor should have adult and neonatal applications and should be user friendly.
2. It should be capable of monitoring ECG, noninvasive blood pressure, oxygen saturation

(SpO_2), ETCO2 and temperature
3. It should have an internal battery which should last for 30-40 min.
4. It should be operational at wide temperatures (10^0C to 40^0C) and humidity (20% to 90%)
5. It should have a facility of 24 hours data storage of trended parameters and trend graph of 1, 2, 3,6,12 or 24 hours display format.
6. Should have a facility to deactivate all the alarms if necessary.

ECG monitoring: Essential specifications:

1. Available leads: I, II, III, V, AVR, AVL, AVF with facility for recording 12 lead ECG.
2. Should display one or all the selected leads at a time
3. Accuracy of ± 5% of the rate.
4. Monitor Mode: Digital Signal Processing (DSP)
5. T-wave suppression for high field MRI
6. Should have arrhythmia monitoring facility.
7. Should have user selectable alarms.
8. Heart rate measuring range 15-300 beats/min

Pulse oximeter (SpO_2)

1. Should provide a digital value of the arterial oxygen saturation as well as diagnostic plethysmographic pulse waveform.
2. Measurement range: 0% to 100%
3. User selectable upper and lower alarm limits.
4. Probes with finger and ear sensors for adult, paediatric and neonatal use.
5. Should be sensitive and function accurately even at low perfusion states of low blood pressure or hypothermic conditions.

$ETCO_2$ monitoring:

1. Should have sidestream CO_2 module and display both graphically and numerically.
2. Single beam, non-dispersive infrared (NDIR) absorption, radiometric measurement, no moving parts
3. Initialization time less than 10 seconds, full specifications within 1-2 minutes
4. CO_2 range should be 0 to 152 mmHg borometric pressure supplied by module itself
5. Should be able to detect breath rate in the range of 2-150 BPM
6. Respiratory rate accuracy should be ± 1 breath
7. Barometric Pressure auto compensated from 400 mmHg to 850 mmHg
   Operator selectable O2, N2O, HE and Agent compensation.
8. No routine user calibration required. An offset calibration should run automatically whe n the ambient temperature is not stable
9. Sampling line should have both nasal sampling line and extension sampling line
10. Warm up time 10 seconds

Temperature monitoring:

1. Measuring range: 5 to 50^0C
2. Accuracy ±0.1^{0}C
3. User selectable upper and lower limit of alarm.
4. Core and skin probes

Non invasive blood pressure (NIBP) monitoring:

1. Should automatically sense infant / adult cuffs and set appropriate inflation pressure and safety limits.

	2. Operating Modes: Automatic, Manual, Stat 3. Accessories, NIBP cuff: a. Adult for thigh and arm b. Paediatric c. neonatal
E	Two non ferromagnetic patient transfer trolleys and two wheel chairs of international make should be provided
F	Coil storage cart/carts capable of storing all the coils offered with the system should be provided
G	Two metal detector doors to be installed at the entrance point, Two hand held metal detector should also be supplied
H	Fire Fighting System and smoke Detectors to installed in the entire MR centre. Two Fire Extinguishers to be installed in each room /corridors each having a capacity of 5 kg.
I	Defibrillator Biphasic with ECG recording with adult and peadiatric paddles.
J	MR compatible infusion pump.
J	Compatible decorative panel on the roof of the MRI room
K	Closed circuit CCTV camera at the head side of the patient with viewing panel at the console
L	Phantoms (including structured phantoms) and quality assurance for SNR for different coils and nuclei, spatial resolution, magnetic field in homogeneity, eddy current compensation, RF power and in-homogeneity measurement. distortion , measurement phantoms
N	Complete manuals and other necessary documentation's should be provided
O	MR compatible transport ventilator.
P	Comprehensive Radiology reporting software having normal reports of MRI and CT of various body parts. i. It should be possible to edit the reports and generate customized reporting formats. ii. It should be able to assign a unique ID for each report. iii. It should be possible to search for the reports upto at least one year by entering patient details /date of examination etc. iv. It should be possible to sort out the reports on daywise basis for purpose of archiving them on CD/DVD
Q	Good quality of air curtain at MRI entrance (for patient entry), to filter the dust and prevent the leakage of A/C.
R	Multipanel x-ray & imaging film illuminator – four panel i. Multipanel X-Ray Viewing System consisting of X-Ray & Imaging Film Illuminator suitable for Four Sliding Panels. ii. Each Transparent Panel should have capacity to hang / display / hold six films of size 14" X 17" in two rows iii. It should have facility to park all four Panels on one side. iv. It should have transparent film holding clips fixed in order to facilitate hanging of all sizes of films. v. It should have total capacity to hold 24 films of size 14" X 17" vi. It should be sizeful for teaching, conferences, seminars, display and mass reporting. vii. It should be convenient to handle the bulk work. viii. It should have the facility for each Panel with pre-hanged films to bring by sliding before the illuminator for viewing. ix. It should be sturdy & heavy Duty. x. It should be fitted on castors for mobility. Mention the overall size and floor area covered by the device.

S	An intercom system connecting all stations in MR complex with all faculty rooms, residents reporting room, office and CT scan.
16	**Warranty and CMC:**
i)	The equipment should have 60months warranty from the date of handing over the fully functional unit of all coils and the accessories supplied (such as UPS, AC, Generator, etc) to the hospital against manufacturing defects of material and workmanship. The Helium Supply and cold head repairs (including replacement. If needed) should be included in the warranty period. The vendor should take care of the day-to- day running of the UPS, AC generator, etc. on 24 hr basis.
ii)	Even during the warranty period, the desired uptime of 95% of 365 days (24 hrs basis) will be ensured. In case the down time exceed the 5%limit, extension of the warranty period will be twice the excess downtime period
iii)	Note any Liquid Helium due to quenching or due to any other causes during the warranty period shall be borne by the firm.
iv)	If a particular coil is not working for more than 3 days and due to which patient work suffers, the firm will, be asked to pay penalty of half-a- day beyond 3 days for each day that it is not working.
L	**POST GAURANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC)**
i)	The Post –warranty (after 5 years) CMC should be comprehensive and should include helium and cold head (repair and/or replacement) + labour +spares for the complete system which includes all the accessories supplied such as UPS, Generator ,AC etc. with 24 hrs. manpower for operation(including all consumables like batteries for UPS ,diesel for generator, etc) and maintenance for another 5 years. The vendor should provide the cost of manpower separately. The CMC should be quoted in Indian Rupees. **The price of post warranty 5 years shall be taken for price comparison.**
ii)	The desired up-time during post-warranty CMC is 95% of 365 days (24 hr basis) along with the penalty clause that in case exceeds the 5 % limit, extension of the post warranty CMC period by the twice the excess down-time period.
iii)	The insurance should be done by the bidder to cover the losses, if any, due to force major conditions. The rate of post-warranty comprehensive CMC should be offered for at least five years by the bidder and be offered in Indian Rupees only.
iv)	Note any liquid helium due to quenching or due to any other causes during the CMC period shall be borne by the firm.
B	All local items should be quoted in Indian Rupees. Other items should be quoted in US Dollars only, to have uniformity. The technical and financial bids should be separate.

M	GUARANTEE
i)	1. Principal and India counterpart. The principals should be responsible for any lacunn or deficit in service or supply. 2. All items in the supply order should be supplied during the time of installation, No exception will be allowed. Items under Research Agreement should be finalized well in advance (after receipt of supply order) so that there is no delay in delivery of software or coil any other accessories. 3. Software upgrade(where hardware upgrade are not required) like new pulse sequence, new application package etc. should be provide within one month after released worldwide(any country viz. north America/Europe/Germany etc). In case the same is not provided in time, the parent company should undertake the responsibility to implement the same. This is to make sure that the machine stays updated with similar products for at least 5 years.
N	**SPARES**
i)	Please attach a complete list of spares which would be provided with the equipment.
ii)	All tender response should include the following without which the tender will be considered invalid.
O	**MISCELLANEOUS**
i)	The model with the best and latest technical features available with vendor should be quoted in tender response with original printed data vendor sheets the system should incorporate the feature as per the December 2014 RSNA standard/declaration.
ii)	All product catalogues in original
iii)	A soft copy in word format in addition to a hard copy to be provide in a CD
iv)	When the vendor data sheet disagree with the bid response, clarification should accompany in the form of letter/certificates from the principal in original.
v)	System should be DICON+M-3 MPPS & should be ready to integrate with any existing PACS/HIS system
vi)	List of all installation of the system in the country.
vii)	The compliance statement must be filled strictly under headings given in the tender. Each specification corroborated in the compliance statement must give the page number where it is listed in the original technical data sheets along soft copy.
viii)	Turnkey works as per the enclosed annexure.
	Training
	On-site training of all faculty members & radiographers and other staff by an application expert for at least 3 months.
	One on-site engineer to be available for a period of six months.

Turnkey Specifications

General:

i. The MRI unit is to be installed on turnkey basis.
ii. The layout plan and other site requirements are to be finalized in consultation with hospital authorities.
iii. The site earmarked for installation is to be inspected and layout plan has to be prepared in consultation with the user department. The exact plan depending upon area/location available has to be got approved from the Director of the hospital.
iv. The MRI Complex will comprise of various rooms like MRI Examination room, console room, reporting room, changing room, Recovery room, technicians' room, electrical equipment and UPS room and any other required room for MRI facility.
v. The site works will be as per approved plan.
vi. During construction, minor modifications can be permitted by the user department of the hospital for more efficient utilization of space and resources.
vii. All the material used for all turnkey work shall be of reputed make only and shall be got approved by the department prior to utilization.

Civil Works:-

i. Flooring in all the areas will be non-slippery vitreous ceramic tiles.
ii. In the toilets, glazed tiles will be used for Dado up to the ceiling. .
iii. The Walls, glazed/ceramics tiles will be used for Dado up to the ceiling.
iv. Floor trenches with block board covers will be provided for the cables.
v. The entrances to the MRI Complex to be felt padded at the junction of both doors to avoid dust and provide insulation.
vi. False ceiling in all the areas will comprise of metal suspension system, performance fire proof aluminum panels with integrated acoustic lining.
vii. Piped in anesthesia gases/ central oxygen supply and suction to be provided in the Magnet room.
viii. All fluorescent lights and smoke detectors to be accommodated/ integrated in the false ceiling.
ix. All the rooms in the complex will be signposted. Sun-film and Venetian blinds be put in all windows.

Electrical Services:-

i. The MRI Complex, all required equipments and accessories are to be connected to the supplied UPS.
ii. Dimmer controlled incandescent light fixtures are to be provided in the Magnet room and console room.
iii. All the electric Wiring (copper), switches, sockets, plugs, MCBs etc are to be reputed make.
iv. Different parts of the complex will have separate wiring for light and power circuit through MCBs of suitable capacity.
v. Adequate safety measures will be incorporated in the electrical power supply system.
vi. Dedicated isolated earthing is to be provided for the equipments.
vii. Audio call bell with intercom and remote locking/unlocking facility provided at the main door of the Complex.
viii. Fire Safety measure: a fire alarm system of reputed make with smoke detectors, the above and suitable fire extinguishers to be provided.
ix. Closed circuit cameras to be installed in the MRI complex and a parallel feed has to provided in the concerned Doctors room.

Air Conditioning:-

Any additional AC requirement beyond what is available in the complex will be fulfilled by the vendor.

GENERAL TECHNICAL SPECIFICTIONS

General Points

If the following general conditions are not complied with, the technical bid will not be evaluated and will be summarily rejected:

1. The equipment should be of international standards having recent and valid "international certification for quality of product "for example FDA/CE type approval. Authentic and legible certificate for the same to be annexed.

2. Valid Certificate permitting sole distributorship, from the unit manufacturer, mentioning the name of the equipment.

3. Valid Certification that the supplier has the capability for corrective and preventive maintenance of the unit, for the next 10 years after installation, from the principal manufacturer and if need be, beyond that also.

4. The manufacturer must have local service facility. The service provider must have necessary spares and equipments recommended by manufacturer to carry out maintenance and preventive maintenance expeditiously.

5. Certificate/s of training from principals for local engineers/maintenance service personnel in India in the model offered along with a list of names and contact telephone numbers of nearest service engineers to be contacted in Delhi. Any change in names and tel. nos. should be informed immediately to the department and institution.

6. To provide Contact telephone numbers, email address and mailing address of the overall in charge of the local service engineer/In charge of Head Office in Delhi or North Zone, to lodge complaint regarding efficiency of performance of the local service engineer deputed for the machine

7. Certificate of satisfactory operation (i.e. providing excellent after sales service) in a 500 bedded or larger Govt. /Corporate hospital, for at least 3 years after installation should be provided. Contact telephone numbers and names of consultants in such institutions to be provided for confirmation of this submission.

8. Comprehensive warranty for 5 years covering free maintenance of equipment and functioning, free service and free replacement of defective part and accessories. The supplier should clearly state if any part of the equipment quoted in the tender is consumable or otherwise not covered in the comprehensive warranty. CMC should be followed by labour free AMC for 5 years. CMC for the whole equipment including helium refill and all accessories including turnkey; and generator for 5 years should be quoted after expiry of warranty. This will be considered for evaluation.

9. During the Warranty period, Replacement of the machine or required part, if not found repairable, should be accomplished within a maximum period of 4 weeks of lodging of complaint. Otherwise the matter will be reported to higher authorities.

10. An authorized rate list of parts/components/accessories which may require repair or replacement during the life of the machine should be provided, on the letterhead of the principal/manufacturer, duly signed by the authorized signatory (to be attached as an annexure). The number of every such board or part present in the machine should also be mentioned.

11. An Undertaking to be submitted by the supplier that the equipment will be inspected within 24 hours and repaired at the earliest. The uptime should be 90%. The downtime will be calculated and if exceeding 10% the warranty will be extended accordingly for the excess period.

12. The technical bid should clearly mention, model number and make, detailed technical specifications, quantity of each component offered. The technical bid should be duly supported by original brochure/catalogue of the manufacturer and relevant parts proposed to be supplied, highlighted. In Compliance statement units of measurement used should be same as in the required technical specifications. Each specification corroborated in the compliance statement must give the page number where it is listed in the product data sheet.

13. There should be no discrepancy between specifications given in technical bid, brochure and compliance statement. In case of any such discrepancy, the technical bid will be disqualified.

14. The quotation should clearly mention the accessories (including quantity) which are part of the main equipment and the price of which is included in the main equipment. The equipment should be fully functional with the standard accessories.

15. Requirement of Power supply, etc. from the hospital to be informed immediately after receiving the approved tender, and turnkey project be completed before delivery of the equipment.

16. Any additional costs towards power cables, main switch board or any electrical accessories etc. to be borne by the supplier.

17. Satisfactory demonstration of the required features of the equipment and all functional applications at any place in Delhi/India at the time at evaluation of technical bid should be possible at vendors cost.

OTHER REQUISITES

1	The model with 'the best and latest technical features' available with the vendor should be quoted in tender response with original printed vendor data sheets. In case of successful bid latest system and components must be supplied
2	All product catalogues should be in original.
3	When the vendor data sheet disagrees with the bid response, clarification should accompany in the form of letter/certificates from the principals in original.
4	System should be DICOM - 3MPPS & should be ready to integrate with any existing PACS/HIS System
6	The compliance statement must be filled strictly under headings given in the tender. Each specification corroborated in the compliance statement must give the page number where it is listed in the original technical data sheet.

Please come and inspect the installation site to formulate your turnkey project as installation site for the equipment will be in the EDP Block, Ground Floor of Radiology Department.

Dr. POONAM NARANG
Director Professor
Department of Radiology
G.B. Pant Hospital, N.Delhi-2

Dr. Ashok Kumar Sharma

Dr. GAUTAM SINGH
Director Professor
Department of Radiology
G.B. Pant Hospital, N.Delhi-2

Dr. S. K. Puri
Director Professor & HOD
Department of Radiology
G.B. Pant Hospital, N.Delhi-2

Buy back price of existing MRI to be quoted as optional. This would not be taken to determine L1 for price comparison.

26.12.14

26/12/14

Dr. S. K. Puri
Director Professor & HOD
Department of Radiology
G.B. Pant Hospital, N.Delhi-2

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

   a) Comprehensive Warranty as per Conditions of Contract of the TE documentfor 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 **3 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 least100% 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 for similar equipment **of the same manufacturer,** meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India**.**

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 3 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 *spare*s 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 hereby certify thatthe prices offered by us in this tender is not higher than the prices we had offered to any other Govt. of India Organisation(s)/PSU(s) during the last one year and shall provide the justification for reasonableness of our offered price whenever asked during evaluation of our submitted bid. I/ We also hereby certify that if at any time, information furnished by us is proved to be false or incorrect; I/ We are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

Date: **(Signature of the bidder)**

NAME & ADDRESS OF THE BIDDER

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

Section – XX

CHECKLIST

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?
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?

Sl No.	Description
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 completed financial 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 – XXI
Consignee

Consignee Code	Medical Institutions	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.