

**KOLLAM DISTRICT COOPERATIVE HOSPITAL SOCIETY LTD Q 952**

**Palathara, Kollam**

**Pin: 691020**

**TENDER DOCUMENT**

**For**

**Supply & Installation of**

**MRI SCANNER**

**(Tender No : PDT -1/2017-18/MRI- NSMIMS)**

## INDEX

<b>Sl.No.</b>	<b>Description</b>	<b>Page No.</b>
1	Invitation for Tender	3
2	Scope & Description of Contract	5
3	Tender Schedule	6
4	Details of Equipment Tendered	8
5	Specific Conditions of Contract	9
6	General Conditions of Contract	14
	<b>Appendix</b>	
7	Technical specification	44
8	Annexure-1 Manufacturer's Offer Form	65
9	Annexure-2 Manufacturer's Authorization Form	67
10	Annexure-3 Agreement	69
11	Annexure-4 Bank Guarantee Form	72
12	Annexure-5 General Information about the Tenderer	75
13	Annexure-6 Offer Form	78
14	Annexure-7 Service Centre Details	79
15	Annexure-8 Power of Attorney	81
16	Annexure-9 Annual Turnover Statement	82
17	Annexure-10 Declaration Form	83
18	Annexure-11 Warranty Certificate	84

## **SECTION 1**

### **INVITATION FOR TENDER**

Sealed Tenders (Two Bid System) are invited for supply and installation of MRI SCANNER for NS Memorial Institute of Medical Sciences (NSMIMS) under Kollam District Cooperative Hospital Society Ltd Q 952.

<b>DATE OF RELEASE OF TENDER</b>	<b>: 9<sup>th</sup> JUNE 2017</b>
<b>DATE OF PRE – TENDER MEETING</b>	<b>: 15<sup>th</sup> JUNE 2017, 11 A.M</b>
<b>TENDER SUBMISSION START DATE</b>	<b>: 19<sup>th</sup> JUNE 2017, 11A.M</b>
<b>LAST DATE FOR PURCHASE OF TENDER DOCUMENTS</b>	<b>: 2<sup>nd</sup> JULY 2017, 5 P.M</b>
<b>TENDER SUBMISSION END DATE</b>	<b>: 3<sup>rd</sup> JULY 2017, 4 P.M</b>
<b>DATE OF TENDER BID OPENING</b>	<b>: 4<sup>th</sup> JULY 2017, 11 A.M</b>

### Brief schedule

Sl No	Description	EMD	Completion period	Tender fees
1	MRI Scanner on turnkey basis	Rs 100000	3 months	Rs 26250

Tender documents are available for sale at NSMIMS from 09 /06/2017 till a day prior to the closing date of receipt of tender against a payment of non-refundable fee of Rs26250/-(Rupees Twenty six thousand two fifty only) in the form of crossed Demand Draft drawn in favour of the Secretary, Kollam District Cooperative Hospital Society Ltd, Q 952 payable at Kollam. The tender document can also be downloaded from the website [www.nshospital.org](http://www.nshospital.org) . In the case of bid documents downloaded from the website mentioned above, the required fees as mentioned above has to be deposited at the time of submission of tender and non-submission of sufficient tender document cost as mentioned in Section III shall be one of the primary reasons for rejection of the offer in the first round.

In case of any disparity between the printed version of the tender documents sold through the Tender Inviting Authority and the downloaded version, the printed version will prevail.

## SECTION II

### SCOPE & DESCRIPTION OF CONTRACT

#### 2.1 General Definitions

- 2.1.1 *Society* means Kollam District Cooperative Hospital Society Ltd Q 952, represented by the Secretary
- 2.1.2 *Purchase Committee* is a Sub Committee of the Board of Directors authorized to decide on the purchase of the drugs, equipments and other stores procured by the Society
- 2.1.3 *Tender Inviting Authority* is the Secretary, Kollam District Cooperative Hospital Society Ltd, Q 952 who calls for tenders and ensures supply, installation and after sales service of the equipments procured under this tender document.
- 2.1.4 *Blacklisting/debarring* – the event of violation of any conditions of the tender document, more specifically those mentioned in the Specific Conditions of Contract (Section V) and General Conditions of Contract (Section VI) of this tender document, the tenderers will be prevented for a period of 1 to 5 years from participating in the future tenders of Tender Inviting Authority, the period of debarring being decided on the basis of the number of violations in the tender conditions and the loss/hardship caused to the Tender Inviting Authority on account of such violations.

#### 2.2 Scope

- 2.2.1 The tenders are invited for the supply, installation and commissioning of the equipment, the details of which are mentioned in Section IV, needed for Kollam District Cooperative Hospital Society Ltd, Q 952.  
The tender can be withdrawn at any point of time, after the minimum price firmness period of 180 days, but not after accepting the Letter of Intent or entering into agreement with Kollam District Cooperative Hospital Society Ltd, Q 952 or without giving a one month's prior notice.

**SECTION III**  
**TENDER SCHEDULE**

**3.1. Tender Details**

1.	Tender No.	<b>PDT -1/2017-18/MRI- NSMIMS</b>
2.	Cost of Tender Document	Rs 26250/-
3.	Earnest Money Deposit	Rs 100000/-
4.	Performance Security	5% of the offered price (for successful tenders)
5.	Validity of Performance Security	Up to 90 days after the date of completion of the contractual obligations

**3.2. Important Dates**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Date and time</b>
1.	Date of release of tender	10:00 am; 09 <sup>th</sup> June 2017
2.	Date of pre-tender meeting	15 <sup>th</sup> June 2017
3.	Tender submission Start Date	19 <sup>th</sup> June 2017
4.	Tender submission End Date	3 <sup>rd</sup> July 2017
5.	Date of technical bid opening	4 <sup>th</sup> July 2017

6.	Date of demonstration of the machine/equipments	To be informed to qualified tenderers qualifying after opening of technical bids
7.	Date of opening of the price bid	To be informed to the qualifying tenders qualifying after demonstration

## SECTION IV

### DETAILS OF EQUIPMENT TENDERED

#### 4.1

Sl.No	Description	Quantity
1.	MRI Scanner	1

#### 4.2

The detailed technical specifications and other quality parameters of the above equipment may be seen at the Appendix in Section VII- Technical Specifications

## SECTION V

### SPECIFIC CONDITIONS OF CONTRACT

#### 5.1

<b>Sl. No</b>	<b>Activity</b>	<b>Time Limit</b>
5.1.1	<i>Installation / Delivery period</i>	10 weeks from date of confirmation of delivery from Tender Inviting Authority
5.1.2	<i>Completion of installation Turnkey work</i>	12 weeks from the date of supply order
5.1.3	<i>Comprehensive warranty period</i>	3 years for all items supplied on turnkey basis except consumables
5.1.4	<i>CMC/AMC period</i>	4 years for all items supplied on turnkey basis except consumables after comprehensive warranty period
5.1.5	<i>Frequency of visits to NSMIMS during Warranty/CMC or AMC</i>	One visit every three months (4 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.
5.1.6	<i>Frequency of payment of CMC or AMC charges</i>	Every six months after completion of the period
5.1.7	<i>Submission of Performance Security and entering into contract</i>	10 days from the date of issuance of Letter of Intent
5.1.8	<i>Payment Installments of Price of equipments and ratio</i>	2 Installments and in the ratio 80: 20
5.1.9	<i>Time for making payments by Tender Inviting Authority</i>	Within 30 days from the date of submission of proper documents

5.1.10	<i>Maximum time to attend any Repair call</i>	Within 48 hours
5.1.11	<i>Uptime in a year</i>	95 %

## **5.2. Pre qualification of tenderers:**

- 5.2.1 Manufacturers or their authorized dealers/Indian subsidiaries/direct importers having a place of business in any of the States of India are eligible to participate in this tender. [Original Equipment Manufacturers shall submit the ‘Manufacturer’s Offer Form’ (as per Annexure- I).The Letter of Authorization (as per Annexure-2 ) from the Original Equipment Manufacturer (OEM) shall be submitted in the case of a tenderer who is not the manufacturer of the equipment offered].
- 5.2.2 The tenderer or manufacturer of the equipment offered who is in the business of the supply and installation of the equipment for the last three calendar years.
- 5.2.3 Tenderers who submit all the necessary documents as prescribed for inclusion in the technical bid under cl.6.1 without any ambiguity and errors and who submit the requisite cost of the tender document and also the EMD prescribed.
- 5.2.4 The Tenderers who have an average annual turnover of Rs. 20 crore for the last three completed financial years. The tenderer shall submit proof of the same (Notary attested copy of audited accounts, balance sheet, annual report etc.)
- 5.2.5 Tenderers who submit notary attested copy of IT returns filed for the last three years.
- 5.2.6 Tenderers who have the capability to attend repairs of the equipment within the time prescribed and who are willing to provide standby equipment or replace the faulty equipment if the repair/down time extends beyond 72 hours from the time of reporting of the fault within the next 48 hours (total down time should not exceed 5 days in one instance). The tenderers who have the capability to ensure the uptime mentioned in clause 5.1.10 (Documentary proof shall be submitted on the after sales facilities and expertise of the tenderer.)
- 5.2.7 Tenderers who have been blacklisted/ debarred by Tender Inviting Authority

or blacklisted / debarred by any State Government or Central Government department/Organization or Cooperative Society should not participate in the tender during the period of such blacklisting.

### **5.3 Format and signing of bid.**

5.3.1 The Tenderer shall prepare two copies of the bid, clearly making each “Original Bid” and “Copy of Bid” as appropriate. In the event of any discrepancy between them, the original shall govern.

5.3.2 The original and copy of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. Written power-of-attorney accompanying the bid shall indicate the letter of authorization. The person or persons signing the bid shall initial all pages of the bid, except for unlamented printed literature.

5.3.3 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder, in which case the person or persons signing the bid shall initial such corrections.

### **5.4 Submission of Bids**

5.4.1 Sealing and marking of bids.

The bidders shall seal the original and the copy of the bid in an inner and an outer envelope, duly marking the envelopes as ‘Original Bid’ and ‘Copy of Bid’.

5.4.2 The Inner and outer envelopes shall be:

(a) Addressed to the purchaser at the following address: -

**“The Secretary,  
Kollam District Cooperative Hospital Society  
Ltd Q 952,  
NS Memorial Institute of Medical Sciences  
(NSMIMS),  
Palathara  
Kollam,  
Kerala  
Pin: 691020**

(b) Bear the Invitation for Tender number and the words “DO NOT OPEN BEFORE.....” (Here insert the time and date of Bid opening).

5.4.3 The inner envelopes shall indicate the name and address of the bidder.

5.4.4 If the outer envelope is not sealed and marked as required herein, the purchaser will assume no responsibility for the bid’s misplacement or premature opening.

5.4.5 Tenderers shall submit their bids in two parts as under:

(a) **Technical bid**, *in duplicate*, consisting of technical details bringing out clearly in a separate sheet, the deviations in specifications, if any, from that of ‘Technical Specifications’ and also clause-by-clause compliance of specifications along with the commercial terms and conditions and bid security.

b) **Price bid** showing only item wise prices in a separate sealed cover inside the main cover.

- c) It may be noted that when the main cover is opened on the date and time scheduled for tender opening, only the technical bids will be opened.
- d) Only those tenderers whose technical bids are found to be substantially responsive and demonstration of the functioning of the equipment found satisfactory will be informed of the date and time of opening of their price bids. Price bids of others will not be opened.

## **5.5 Deadline for submission of bids.**

- 5.5.1 Bids must be received by the purchaser at the address specified at para 5.4.2 not later than the time and date specified in the invitation for bids. In the event of the specified date for the submission of bids being declared a holiday for the purchaser, the bids will be received up to the appointed time on the next working day.
- 5.5.2 The purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents, in which case all rights and obligations of the purchaser and bidders which were subject to the previous deadline will thereafter be subject to the deadline as extended.
- 5.5.3 It is the responsibility of the bidders to ensure that the completed bidding documents are delivered to the Tender Inviting Authority before the closing date and time stipulated above for receipt of bid, failing which the bid would be considered late and rejected.

## **5.6 Late bids**

- 5.6.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, will be summarily rejected.

## **5.7 Single bid**

Any bid received by the purchaser in the form of a single bid incorporating both technical details and quoted price will be summarily rejected.

**SECTION VI**  
**GENERAL CONDITIONS OF CONTRACT**

**6.1 Contents of the Tender Document:**

This '**Tender Document**' contains the following:

- 6.1.1 Invitation for Tender (Section I)
- 6.1.2 Scope and Description of Contract (Section II)
- 6.1.3 Tender Schedule (Section III)
- 6.1.4 Details of Equipments Tendered (Section IV)
- 6.1.5 Specific Conditions of Contract (Section V)
- 6.1.6 General Conditions of Contract (Section VI)
- 6.1.7 Appendix: Documents Supplied by the Tender Inviting Authority
- 6.1.8 Annexures: Formats for submission of tenders by the tenderers

**6.2 Tender Document**

- 6.2.1 The detailed technical specifications and terms and conditions governing the supply, installation, commissioning and the after sales service of the equipments tendered are contained in this "Tender Document".
- 6.2.2 Tender documents are available for sale at NSMIMS from --09/06/2017 till a day prior to the closing date of receipt of tender against a payment of non-refundable fee of Rs26250/-(Rupees Twenty six thousand two fifty only)in the form of crossed Demand Draft drawn in favour of the Secretary, Kollam District Cooperative Hospital Society Ltd Q 952 payable at Kollam . The tender document can also be downloaded from website [www.nshospital.org](http://www.nshospital.org). In the case of any discrepancy between the printed version and downloaded

version, the printed version shall prevail. In case the Tender Document is downloaded, Tenderer shall submit Tender Document cost along with tender documents and non- submission of sufficient Tender document cost shall be one of the primary reasons for rejection of the offer in the first round.

6.2.3 The general guidelines on the tender process are as below;

### **6.3 Responsibility for Verification of Contents of Tender Document:**

6.3.1 The purchasers of the tender form shall examine all instructions, forms, terms and conditions and specifications in the Tender Document and verify that all the contents mentioned under clause 6.1, are contained in the ‘Tender Document’.

6.3.2 Failure to furnish any information required by the tender documents and submission of an offer not substantially responsive to it in every respect shall be at the tenderer’s risk and may result in the rejection of the bids, without any further notice.

### **6.4 Guidelines for Preparation of Tender**

6.4.1 The Tenderer shall bear all costs associated with the preparation and submission of its bid and the Kollam District Cooperative Hospital Society Ltd, Q 952, hereinafter referred to as the “Tender Inviting Authority”, will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

6.4.2 In the event of documentary proof as required not being enclosed, the Tender shall be liable to be rejected. All pages of the bid, except for unamendable printed literature, shall be signed by the authorized person or persons signing the bid along with the stamp of the tenderer.

6.4.3 Language of Bid:- The Bid prepared by the tenderer and all correspondence and documents relating to the bid exchanged by the Tenderer and the Tender Inviting Authority, shall be in English language only. Supporting documents and printed literature furnished by the Tenderer may be written in another language provided that they are accompanied by an authenticated accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the English translation shall govern.

6.4.4 The tender (in English Language only) for the supply of equipments mentioned in Section IV shall be submitted along with detailed

specifications. A technical leaflet /brochure / literature in original shall be enclosed along with list of names of organizations to which the equipment with the same specifications have been supplied in India during the last three years. In case of copy of earlier work orders and the performance certificates supporting the claim of past performance of the tenderer, it shall be attested by the organization where the same has been supplied and installed.

6.4.5 The documentary evidence (other than those regarding supply and past performance) submitted along with the Tender shall be produced duly attested by the tenderer on every page and serially numbered. Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person (s) signing the offer.

6.4.6 Tenderer shall submit a declaration letter as per the format given as Annexure 10 and copy of amendments published, if any, signed by the tenderer or the authorized representative shall be enclosed as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.

6.4.7 An offer submitted in vague /ambiguous financial terms and the like, shall be deemed to be non-responsive and shall be summarily rejected.

6.4.8 Clarifications to specific requests shall be responded through e-mail and general clarifications, affecting all the tenderers shall be published in the official website of the Tender Inviting Authority.

## **6.5 Earnest Money Deposit (EMD):**

6.5.1 EMD of unsuccessful tenderers will be discharged /returned promptly.

6.5.2 The successful tenderer's EMD will be discharged upon the tenderer signing the contract and furnishing the performance security.

6.5.3 No interest will be paid for the EMD submitted.

6.5.4 The EMD will be forfeited, if a tenderer,

(a) Misrepresents facts or submits fabricated / forged / tampered / altered / manipulated documents.

(b) Withdraws its bid after the opening of technical bid;

(c) Fails to sign the contract after issuance of Letter of Intent

(d) Fails to furnish performance security after issuance of Letter of Intent

## **6.6 Deadline for Submission of Tender**

6.6.1 Tenders shall be submitted before the last date & time prescribed and the Tender Inviting Authority shall not be held liable for any delay whatsoever.

6.6.2 The Tender Inviting Authority may, at its discretion, extend the deadline for submission of tender by amending the Tender Document, in which case, all rights and obligations of the Tender Inviting Authority and the tenderers previously subjected to the deadline shall thereafter be subjected to the deadline so extended.

## **6.7 Modification and Withdrawal of Bids**

6.7.1 The tenderer can modify or withdraw bids submitted before the last date & time for submission.

## **6.8 Period of Validity of Tender**

6.8.1 The tender must remain valid for minimum 180 days (six months) from the date of opening of price bid. A bid valid for a shorter period shall be rejected by the Tender Inviting Authority as non-responsive.

6.8.2 Withdrawal or non-compliance of agreed terms and conditions after the execution of agreement or issuance of Supply Order will lead to invoking of penal provisions and may also lead to black listing/debarring of the successful tenderer.

## **6.9 Acceptance / Rejection of Tenders:**

6.9.1 It is not necessary that the offer of the firm quoting the lowest rates shall be accepted.

6.9.2 At any point of time, the Tender Inviting Authority reserves the right to cancel or modify the supply order even after it is awarded to the

successful tenderer, in the event of the firm deviating from the agreed terms and conditions.

## **6.10 Notices**

6.10.1 The Tender Inviting Authority shall publish the following information on its website at the appropriate time as part of ensuring transparency in the tender process;

- a. The tender notices, documents, corrigendum, addendum etc, if any.
- b. Amendments to the tender conditions, if any
- c. Results of the responsiveness of the technical bids and minor infirmities/clarifications sought.
- d. List of tenderers qualified for demonstration of equipment
- e. Results of the demonstration of the equipment and provisional list of tenderers qualified for price bid opening.
- f. Final List of technically qualified bidders.

6.10.2 Notice, if any, relating to the contract, given by one party to the other shall be sent in writing or by email and confirmed by post. 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.

6.10.3 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.

## **6.11 Other Terms and Conditions**

6.11.1 All the terms and conditions in respect of warranty/guarantee, CMC/AMC, Training of Staff etc mentioned herein shall be complied with.

6.11.2 Technical Specifications and Standards: - The Goods & Services to be provided by the successful tenderer under this contract shall conform to the technical specifications and quality control parameters mentioned in this document.

6.11.3 The tenderer shall be responsible for payment of any charges due to any statutory authorities such as Income Tax, Sales Tax, and Customs Duties etc.

6.11.4 If at any point of time it is found out that there is a responsibility to effect some statutory deduction at the source, the Tender Inviting Authority will have the authority to do so.

## **6.12 Tendering System**

6.12.1 The tenders / bids are to be submitted in two covers.

6.12.2 PART-I is titled as TECHNICAL BID. The technical bid shall contain the complete technical specification, details on competency and financial stability of the tenderer, delivery and after sales conditions.

6.12.3 PART II is titled as PRICE BID (BOQ) has to be submitted.

## **6.13 Pre Tender Meeting**

6.13.1 A pre-tender meeting will be convened to clarify the doubts of the prospective tenderers. The Tender Inviting Authority may or may not amend the terms and conditions as well as technical specifications of the tender document after the pre-tender meeting on the basis of feedback obtained during such meeting with a view to obtaining maximum number of competitive bids.

6.13.2 Date of pre-tender meeting is given in Section III.

6.13.3 Pre-tender meeting is called by the Tender Inviting Authority to explain briefly about the requirements as well as the terms and conditions of the tender document and to get the views of the prospective tenderers by way of ensuing transparency in the tender process.

6.13.4 It is an opportunity for the prospective tenderer to obtain all the details about the tendered items, conditions governing the tenders and also to get the explanation of any ambiguous condition that may be present in the tender document.

6.13.5 It is also an opportunity for the Tender Inviting Authority to assess the market and obtain feedback on the technical specifications/ features of the equipments etc so as to make amendments, if need be, in the tender document on the basis of expert advice.

6.13.6 Failure to attend the Pre-tender meeting will not be a disqualification, but a loss of opportunity for the prospective tenderers to understand about the items tendered and the tender conditions.

6.13.7 Filled up Tenders will be accepted only after the date of pretender meeting.

#### **6.14 Amendment of tender documents:**

6.14.1 At any time prior to the deadline for submission of tender, the Tender Inviting Authority may, for any reason, modify the tender document by amendment.

6.14.2 The amendments shall be published in the website, and the tenderer shall submit copy of amendments published, if any, signed by the tenderer or the authorized representative as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.

6.14.3 The Tender Inviting Authority shall not be responsible for failure to inform the prospective tenderers for any notices published related to each tender. Tenderers are requested to browse website of the Tender Inviting Authority for information/general notices/amendments to tender document etc on a day to day basis till the tender is concluded.

#### **6.15 Contents of Bid submission.**

6.15.1 Tender Document

6.15.2 Tender Document cost (in case Tender document is downloaded from the

website)

6.15.3 Earnest Money Deposit

6.15.4 General information about the tenderer as per Annexure V

6.15.5 Annual turnover statement for last three years certified by the auditor as per Annexure IX.

6.15.6 Offer form as prescribed in the Annexure-VI .

6.15.7 The documents proving that the tenderer is an Original Equipment Manufacturer or their principal dealer/importer for Kerala/ South India/India (Annexure I/II )

6.15.8 Declaration Letter as per Annexure X and copy of amendments, if any, duly signed in all pages by the tenderer or the authorized signatory.

6.15.9 Price Bid

6.15.10 Power of Attorney as per format in Annexure VIII.

6.15.11 Notary attested documents such as articles of association/partnership deed etc, proof of incorporation, proving the registration of place of business and showing the details of partners/promoters/board of directors etc.

6.15.12 Notarized audited copies of the P& L Accounts, Balance Sheet, annual report for the last three completed years certified by the auditors.

6.15.13 Notary attested copy of IT returns filed for the last three completed years.

6.15.14 Details of Service centers as per Annexure VII

6.15.15 Documents showing service centre facilities in Kerala/South India.

6.15.16 Technical literature, product data sheet. (Original brochure and other documents proving that the equipment tendered meets all the technical parameters laid down herein).

6.15.17 Comparative statement of the technical specifications and compliance with the supplier's offered model, deviations and justifications.

6.15.18 The documents such as supply orders, performance reports showing that the tenderer and manufacturer is having previous experience in the business of the supply and installation of the equipment offered.

6.15.19 List of Installations of the offered model in Kerala and South India (institutions with name/designation of the contact person, phone number/email )

6.15.20 Copy of Quality Certificate requested as per the technical specification (if applicable) for the offered model.

## **6.16 Opening of Tender**

6.16.1 The date of technical bid opening is published in advance. However, the date of opening of price bid will be decided only after demonstration / obtaining clarification(s) from those who qualify in the technical bid and shall be conveyed to the qualified tenderers from time to time.

6.16.2 The opening of the technical bid and the price bid shall be done by the Tender Inviting Authority or his authorized representatives. The prospective tenderers or his/her representative who choose to attend the bid opening can attend the office of the Tender Inviting Authority for the opening of the bids.

6.16.3 In the event of the specified date for opening of Tender being declared holiday, the Tender shall be opened at the appointed time and venue on the next working day.

6.16.4 In the event of a tender (a) wherein the claims in the documents are materially missing or (b) if there is substantial error or (c) if the tenderer is unqualified for want of required qualifications, the tender shall stand disqualified and rejected. However, minor infirmities in the submission of documents will be allowed to be rectified so as to ensure qualification of maximum number of competitive offers to the final round.

6.16.5 The tenderer shall be responsible for properly uploading the relevant documents in the formats specified in the specific location and the Tender Inviting Authority shall not be held liable for errors or mistakes done while submitting the bid.

6.16.6 The date and time of opening the Price Bid will be announced only after the

opening of the Technical Bid and demonstration of the features, operation etc of the equipment by the tenderers.

## **6.17 Evaluation of tender**

### 6.17.1 Bid Evaluation Committee:

6.17.1.1 The commercial terms and documents submitted as part of the technical bid shall be scrutinized by a Bid Evaluation Committee constituted by the Tender Inviting Authority.

6.17.1.2 The Bid Evaluation Committee may also verify the veracity of claims in respect of the known performance of the equipment offered, the experience and reputation of tenderer in the field, the financial solvency etc.

### 6.17.2 Technical Committee:

6.17.2.1 Evaluation of the technical bid shall be conducted by a Committee called the 'Technical Committee'. The demonstration of the machinery / equipment shall be conducted before the technical committee.

### 6.17.3 Purchase Committee:

6.17.3.1 The recommendations of the Bid Evaluation Committee/Technical Committee will be further scrutinized by the Purchase Committee.

6.17.4 A tenderer, at any stage of tender process or thereafter, in the event of being found after verification by the Tender Inviting Authority, to indulge in concealment or misrepresentation of facts, in respect of the claims of the offer, shall be debarred/black listed.

6.17.5 The Tender Inviting Authority's decisions on the tender submitted shall be based on the decisions taken by the various committees and otherwise as per the clauses as mentioned above.

6.17.6 Arithmetical errors shall be rectified on the following basis: If a discrepancy occurs between words and figures, the amount in words shall prevail and the offer shall stand corrected to that effect. If the tenderer

does not accept the correction of errors, his offer shall be rejected. The Tender Inviting Authority may waive any minor infirmity or non-conformity or irregularity in an offer, which does not constitute a material deviation, provided that the same shall not prejudicially affect the interest of the other tenderers.

## **6.18 Clarification of Bids**

6.18.1 During evaluation of bids, the Tender Inviting Authority may, at its discretion, give opportunity to the tenderer(s) for clarification of points raised by the bid evaluation committee or technical committee, as the case may be, on its bids submitted

6.18.2 The request for clarification and the response shall be in writing, either through email or by post.

## **6.19 Demonstration of technical specifications and performance:**

6.19.1 Before the opening of the Price Bid, immediately after the opening of Technical Bid, the tenderer shall arrange for demonstration of the machine at own cost, either directly or through authorized Dealer /Distributors, as the case may be, for verification by the Tender Inviting Authority.

6.19.2 If it is not possible for the successful tenderer to provide the model offered which conforms to the exact specifications as per section IV, then it shall be open to the tenderer to submit a model with similar specifications for the demonstration, if agreed by the Tender Inviting Authority. The purpose of this exercise is to satisfy the Tender Inviting Authority about the ability of the tenderer to manufacture and supply those items of specified specifications of good quality. However, the successful tenderer will have to satisfy the Tender Inviting Authority during the installation of the first piece of accessories at any location specified that it conforms to the requirements of the Section IV and failure to supply the equipments as per the requirements will lead to forfeiture of performance security and may also lead to blacklisting/debarring the tenderer for a period of 3 to 5 years.

6.19.2 Failure to demonstrate the technical specification or performance of

the items to the satisfaction of the technical committee or the Tender Inviting Authority will lead to automatic rejection of the tender and the price bid of such tenderers shall not be considered for opening of Price bids.

6.19.3 The Tender Inviting Authority'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 Tender Inviting Authority's inspector during demonstration as mentioned above.

6.19.4 Goods accepted by the Tender Inviting Authority at initial inspection and in final inspection in terms of the contract shall in no way dilute Tender Inviting Authority's right to reject the same later, if found deficient in terms of the warranty clause of the contract.

## **6.20 Price Bids**

6.20.1 The Price bids (BOQ) of the short-listed technically qualified tenderer(s) will be opened only after evaluation of Technical Bids. The short-listing of the tenderer(s) will be carried out on the basis of the technical evaluation and demonstration.

6.20.2 The opening of the price bid shall be done by the Tender Inviting Authority or his authorized representative and only the Price Bids of those firms qualified in the detailed scrutiny and evaluation of the Technical bid and successful pre delivery inspection /demonstration, conducted by the Technical Committee/Tender Inviting Authority shall be opened in the second round.

6.20.3 Price offered shall be all inclusive and in Indian Rupees. Price should be quoted for the supply, installation, training and successful commissioning of the accessories and fulfilment of warranty and aftersales service to the satisfaction of the NSMIMS.

6.20.4 Fixed price: Prices quoted by the Tenderer shall be fixed during the period of the contract and not subject to variation on any account.

6.20.5 Price variation due to statutory changes including excise/customs duty or sales tax (VAT) may be considered during contract period before releasing the Letter of Intent/supply order on receipt of proper documents.

6.20.6 There shall be no hidden costs.

6.20.7 Basic Price: The price of the equipment, accessories quoted shall be inclusive of ex-factory, ex-show-room, ex-warehouse, or off-the-shelf, or delivered, as applicable, all accessories / additional accessories / spares mentioned in the technical specification section IV, safe storage, on site assembly if any of the supplied goods, installation, testing and commissioning of the equipment, accessories, furnishing of detailed operations manual, service manual with circuit diagram and maintenance manual for each appropriate unit of supplied goods. Basic price shall also include loading unloading & stacking, all other taxes, duties & levies and incidental services if applicable.

6.20.8 Customs duty payable on the goods, if applicable, shall be indicated separately. The tenderer shall indicate the value of import items on which customs duty is payable

6.20.9 Sales Tax (VAT): Applicable Sales Tax (VAT) shall be quoted in numeric values and in Rupees

6.20.10 The packing, forwarding freight and insurance charges applicable shall be quoted separately in numeric values and in Rupees

6.20.11 The total amount will be calculated and will be taken for evaluation and bid ranking.

6.20.12 The tenderers shall offer prices of the accessories inclusive of all the accessories mentioned in the technical specification under and under no circumstances offer the essential accessories, without which the equipments cannot function properly, as optional or left un-quoted.

## **6.21 CMC / AMC Rates**

6.21.1 Tenderer shall also quote CMC / AMC rates for a period mentioned in clause 5.1 after comprehensive warranty period. The rates of CMC/AMC for the prescribed period as per clause 5.1 shall be shown separately in the following manner:

The Total CMC/AMC rates i.e. Inclusive of tax if mentioned, offered shall be taken into account while tabulating and comparing prices for deciding the lowest qualified tenderer.

## **6.22 Award of Contract**

6.22.1 Criteria: The contract will be awarded to the lowest evaluated responsive tenderer qualifying to the final round after scrutiny of the technical bids and demonstration of the accessories, i.e. after price bid opening. However the Tender Inviting Authority reserves the right to reject the claims of the lowest evaluated tenderer for sufficient reasons.

6.22.2 The details such as rates, the model of the accessories selected for award of the contract and the details of successful tenderers etc will be published during the period of price firmness on the website of the Tender Inviting Authority

### **6.23 Notification of Award/Letter of Intent (LOI)**

6.23.1 Before expiry of the tender validity period, the Tender Inviting Authority will notify the successful tenderer(s) in writing, by registered / speed post or by email (to be confirmed by registered / speed post immediately afterwards) that its tender for accessories, which have been selected by the Tender Inviting Authority, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. This notification is undertaken by issuing a Letter of Intent (LOI) by the Tender Inviting Authority.

6.23.2 The successful tenderer, upon receipt of the LOI, shall furnish the required performance security and submit an agreement in the prescribed format within ten days, failing which the EMD will be forfeited and the award will be cancelled.

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

### **6.24 Signing of Contract**

6.24.1 The successful tenderer shall execute an agreement in the format as given under Annexure III for ensuring satisfactory supply, installation, commissioning and the after-sales service/support during the warranty period.

6.24.2 The successful tenderer shall submit bank guarantee in the format as per Annexure IV as performance security.

6.24.3 Promptly after notification of award, within ten days from the date of the letter of intent, the successful tenderer shall return two copies of the contract (as per agreement Annexure III), both on Rs 200/- stamp paper purchased in the name of the successful tenderer, duly signed and dated, to the Tender Inviting Authority by registered / speed post or in person.

6.24.4 The successful tenderer shall later extend the contract converting it as Comprehensive Maintenance Contract/Annual Maintenance Contract with the Tender Inviting Authority/three months prior to the completion of Warranty Period, if the Tender Inviting Authority desires so. The CMC will commence from the date of expiry of the Warranty Period.

6.24.5 Assignment:-The successful tenderer shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Tender Inviting Authority's prior written permission.

6.24.6 Subcontracts: - The successful tenderer shall not subcontract the execution of the contract. Such action, if done without the knowledge of the Tender Inviting Authority prior to the entering of the contract, shall not relieve the successful tenderer from any of its liability or obligation under the terms and conditions of the contract.

6.24.7 Modification of contract:- If necessary, the Tender Inviting Authority may, by a written order given to the successful tenderer 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:

6.24.7.1 Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specifically manufactured for the Tender Inviting Authority,

6.24.7.2 Mode of Demonstration

6.24.7.3 Incidental services to be provided by the successful tenderer

6.24.7.4 Mode of Installation

6.24.7.5 Converting the installation of the accessories as turnkey project and any other term(s) of the contract, as felt necessary by the Tender Inviting Authority depending on the merits of the case.

6.24.7.6 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 successful tenderer 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.

6.24.7.7 If the successful tenderer does not agree to the adjustment made by the Tender Inviting Authority, the successful tenderer shall convey its views to

the Tender Inviting Authority within ten days from the date of the successful tenderer's receipt of the Tender Inviting Authority's amendment / modification of terms of the contract.

## **6.25 Performance Security**

6.25.1 There will be a performance security deposit amounting to the total value as mentioned in Section III excluding taxes, which shall be submitted by the successful tenderer to the Tender Inviting Authority within 10 days from the date of issuance of 'Letter of Intent'.

6.25.2 The contract duly signed and returned to the Tender Inviting Authority shall be accompanied by a demand Draft or Bank Guarantee in the prescribed format.

6.25.3 Upon receipt of such contract and the performance security, the Tender Inviting Authority shall issue the Supply Orders containing the terms and conditions for the execution of the order.

6.25.4 Failure of the successful tenderer in providing performance security mentioned in Section III and/or in returning contract copy duly signed in time shall make the tenderer liable for forfeiture of its EMD.

6.25.5 The Performance security shall be denominated in Indian Rupees as detailed below:

6.25.5.1 It shall be in any one of the forms namely Account Payee Demand Draft or Bank Guarantee issued by a Scheduled bank in India, endorsed in favour of the Tender Inviting Authority.

6.25.5.2 In the event of any failure /default of the successful tenderer with or without any quantifiable loss to the Society including furnishing Bank Guarantee for CMC security, the amount of the performance security is liable to be forfeited.

6.25.5.3 In the event of any amendment issued to the contract, the successful tenderer shall, within ten (10) 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.

6.25.5.4 Tender Inviting Authority will release the Performance Security without any interest to the successful tenderer on completion of the successful tenderer's all contractual obligations including the warranty

obligations and after confirming that all the contractual obligations have been successfully complied with.

6.25.5.5 The Bank Guarantee submitted in the place of EMD/Security deposit shall be in the prescribed format; Bank Guarantee in no other form will be accepted and will lead to rejection of tenders.

## **6.26 Delivery and Installation**

6.26.1 The successful tenderer shall visit the NSMIMS and recommend preinstallation requirements. If the supplier fails to communicate any of such instances before delivery of equipment and cannot complete the installation within the stipulated period, Tender Inviting Authority shall deduct liquidated damages as per the tender conditions.

6.26.2 The successful tenderer will have to arrange transportation of the ordered goods as per its own procedure and pay necessary insurance against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery and pay all necessary charges incidental till it is installed in the NSMIMS. It shall be ensured that the equipments arrive at the destination in good condition within the delivery period mentioned and as per the other requirements of the Tender Document.

6.26.3 If at any time during the currency of the contract, the successful tenderer encounters conditions hindering timely delivery of the goods and performance of services, the successful tenderer shall inform the Tender Inviting Authority in writing within a week about the same and its likely duration and make a request to the Tender Inviting Authority for extension of the delivery schedule accordingly. On receiving the successful tenderer's communication, the Tender Inviting Authority 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 successful tenderer's contractual obligations by issuing an amendment to the contract.

6.26.4 The successful tenderer is required to deliver the equipments and install the equipments at the site within time specified from the date of issue of the 'Supply Order' and demonstrate the specification/features as well as operation / performance of the equipment to the satisfaction of the Tender Inviting Authority.

## **6.27 Payment**

6.27.1 The payment of the first installment of the price agreed will be made within thirty days from the date of installation of the equipment with its all necessary accessories specified in the supply order.

6.27.2 The original invoice submitted shall be in the name of the Tender Inviting Authority and the name of the consignee shall also be mentioned in it.

6.27.3 Requests for advance payment, payment against delivery or payment through Bank against dispatched documents will not be considered. Part Payment at the agreed rate as per cl.5.1. shall be considered in respect of equipments installed and the necessary Installation Certificate obtained.

6.27.4 The retained remaining (second) installment will be released on submission of the 'One month performance certificate' subject to recoveries, if any, either on account of non-rectification of defects/ deficiencies by the successful tenderer .

6.27.5 Payment for CMC/AMC Charges: The payment of CMC will be made once in six months after satisfactory completion of said period by the Tender Inviting Authority.

6.27.6 The successful tenderer shall not claim any interest on payments under the contract.

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

6.27.8 The successful tenderer shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to the Tender Inviting Authority.

6.27.9 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Tender Inviting Authority, as and if permitted under the contract, the successful tenderer shall also certify that, in case it gets any refund out of such taxes and duties from the authorities concerned

at a later date, it (the successful tenderer) shall refund the same to the Tender Inviting Authority forthwith.

## **6.28 After Sales Service conditions:**

6.28.1 The Tender Inviting Authority gives paramount importance to the aftersales service of the machinery/equipments installed to ensure smooth operation afterwards. The successful tenderer is required to undertake preventive maintenance and attend all repairs, if any, that may arise during the warranty period free of cost and thereafter for additional period mentioned in the Specific Conditions of Contract, for which the rates of Comprehensive Annual Maintenance Contract or Comprehensive Maintenance Contract, in simple terms (CMC- including all essential spares needed for the satisfactory performance of the equipment) and Annual Maintenance Contract (AMC- without spares) shall be finalized at the time of tender itself. The rate offered for CMC/AMC charges will be considered for evaluation of prices and deciding on the successful tenderer

6.28.2 The aftersales terms and conditions will be strictly enforced and those tenderers who are willing to support the Tender Inviting Authority in its endeavor to provide trouble free operation/performance of the equipments for the prescribed period need only participate in the tender.

6.28.3 The aftersales service shall be performed during the warranty period and also during the Comprehensive Maintenance Period (CMC)/ Annual Maintenance Contract, if awarded. The detailed terms and conditions for after sales service mentioned hereunder.

6.28.4 Failure to provide satisfactory after sales services during or after the warranty period and CMC/AMC will lead to blacklisting/debarring of the tenderers, but after issuing due notice and provide opportunity for being heard.

## **6.29 Guarantee/Warranty terms:**

6.29.1 The successful tenderer has to warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

6.29.2 The successful tenderer further has to warrant that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the successful tenderer that may develop under normal use of the supplied goods.

6.29.3 All the equipments including the accessories supplied as per the technical specification in clause 4.2 should carry comprehensive warranty for a period mentioned under cl.5.1. in the first instance. During this period, the successful tenderer shall replace all defective parts and attend to all repairs/breakdowns and undertake stipulated number of preventive maintenance visits to every user installation site. The cost of spare parts for all replacements has to be borne by the successful tenderer during the period of comprehensive warranty.

6.29.4 On expiry of the comprehensive warranty period, the successful tenderer shall be willing to provide after sales support for an additional period prescribed under clause 5.1. from the date of supply & installation, under an extended contract known as Annual Maintenance Contract (AMC-without replacement of spares) or Comprehensive Maintenance Contract (CMC-inclusive of replacement of spares).

6.29.5 The prospective tenderers, who are manufacturers, shall submit an undertaking from the Original Equipment Manufacturers (OEM) that they are willing to provide spare parts for the period of warranty as mentioned and also during the additional CMC/AMC period, if awarded. The OEM shall also assure continuity of service to their product, in the event of change in dealership of the tenderers – their existing dealers – could not provide service during the warranty / AMC period. The undertaking from OEM is an essential document forming part of the Technical Bid, without which the tenders will be rejected summarily in the first round itself.

6.29.6 After sales service centre in Kerala preferably or at least in South India should be available as part of the pre-qualification criteria under cl.5.2.6 and the tenderer shall provide proof of their capability to undertake such maintenance/repair within the stipulated time.

6.29.7 Site Visits: The successful tenderer shall visit the Institution as part of preventive maintenance as per the frequency mentioned under cl.5.1. during the warranty period. The tenderer shall attend any number of break down/repair calls as and when informed by the Tender Inviting Authority.

6.29.8 Complaints should be attended properly, maximum within the time

mentioned in clause 5.1.9. In case, the repair/fault duration is likely to exceed 72 hours, the successful tenderer shall arrange a standby equipment of the same make and model within next 48 hours (total down time should not exceed 5 days) as a stop-gap arrangement till the repair/fault is rectified and the stand by equipment shall perform in the same manner as regards a new equipment.

6.29.9 Upon receipt of such notice for repair/breakdown from the Tender Inviting Authority, the successful tenderer shall, within the period specified under cl.5.1.9, and with all reasonable speed, repair or replace the defective goods or parts thereof, without cost to the Tender Inviting Authority.

6.29.10 If the successful tenderer, having been notified, fails to rectify the defect(s) within the period specified in cl.5.1.9, the Tender Inviting Authority may proceed to take such remedial action as may be deemed necessary at the successful tenderer's risk and cost and without prejudice to any other rights which the Tender Inviting Authority may have against the successful tenderer under the contract.

6.29.11 Failure to attend the repairs in time or failure to attend the stipulated preventive maintenance visit or failure to replace the defective equipments or to provide standby equipment if the fault/down time exceeds the stipulated period or to ensure the stipulated up-time in an year shall lead to imposition of a fine of Rs.5000 for each hour exceeding the stipulated period and/or forfeiture of the performance security and/or may lead to blacklisting/debarring of the defaulting tenderer.

6.29.12 A warranty certificate duly signed and with proper stamp of the institution concerned and also signed by the authorized signatory with the stamp of the successful tenderer shall be submitted to the Tender Inviting Authority for keeping it under safe custody along with the Installation Certificate.

6.29.13 The equipment which requires quality assurance test shall be so tested free of cost immediately after installation, during the comprehensive warranty period, during the CMC / AMC period, by the demand of the Tender Inviting Authority and also when major spares are replaced.

6.29.14 Any mandatory approval required for installation shall be obtained by the successful tenderer in liaison with the respective authorities.

6.29.15 The tenderer shall submit the activities to be carried out during the preventive maintenance visit.

6.29.16 The tenderer shall submit the parameters which require calibration and the frequency of calibration required

6.29.17 The tenderer shall submit the details of all major spares in the price bid cover.

6.29.18 The tenderer shall undertake on-site calibration of the equipment every year as part of the aftersales service during the period of comprehensive warranty, and submit a 'calibration certificate' to the Tender Inviting Authority afterwards

6.29.19 The offered warranty includes

6.29.19.1 Visits to NSMIMS at frequencies prescribed under cl.5.1. as part of preventive maintenance.

6.29.19.2 Testing & calibration as per technical/service/operation manual of the manufacturer or as per the period specified or as per the demand of the Tender Inviting Authority.

6.29.19.3 Quality Assurance tests (if applicable).

6.29.19.4 The cost of labour for all repairs/ and all spares required for replacement during repairs including X ray tubes, mono block, image intensifier, HT Cable, Helium for MRI Scanner, all kinds of Probes, all types of sensors and transducers, Electrodes, Detectors, battery, battery for UPS, other vaccumatic parts etc wherever applicable and also the accessories and other devices supplied along with the equipments like stabilizer, UPS, AC, Computer, Compressor, Monitor, etc, which forms part of the equipment system, without which it cannot perform satisfactorily.

6.29.19.5 The exclusion of warranty of any vital equipment parts will be compared with offers of other tenderers during evaluation of the bids and this may be taken into consideration in deciding the successful tenderer on the basis of expert advice.

6.29.19.6 The tenderer shall provide up-time warranty of complete equipment as mentioned in clause 5.1.10, the uptime being calculated on 24 (hrs) X 7 (days) basis failing which the extension of Warranty period will be extended by double the downtime period.

6.29.19.7. All software updates, if any required, should be provided free of cost during Warranty period.

### **6.30 Annual Maintenance Contract (CMC & AMC)**

6.30.1 The decision to enter into CMC or AMC will be determined on the basis of cost and complexity of the equipment by the Tender Inviting Authority at its discretion, prior to the expiration of warranty period.

6.30.2 The Comprehensive Maintenance Contract (CMC) is otherwise an extended warranty. All the terms and conditions agreed by the successful tenderer for executing the comprehensive warranty of the equipment shall be extended during the period of CMC, only difference being the payment of CMC charges is absent during the period of comprehensive warranty.

6.30.3 During Annual Maintenance Contract, the cost of spares will be borne by the Tender Inviting Authority. During the period of AMC, other terms and conditions will remain the same as in the case of Comprehensive Warranty/CMC, except in respect of the cost of spares. In short, the AMC is a CMC with provisions for payment of cost of spare parts during the currency of the contract by the Tender Inviting Authority.

6.30.4 The cost of CMC, AMC, accessories and spares, reagents and consumables as in case may be quoted along with taxes applicable, if any, no claim for taxes will be entertained later.

6.30.5 Failure/refusal on the part of the successful tender supplying/installing the equipments to enter into CMC/AMC with the Tender Inviting Authority, at the end of the Comprehensive Warranty Period, if the Tender Inviting Authority, desires so, shall lead to forfeiture of performance security and may also result in the blacklisting/debarring of the tenderer.

6.30.6 The successful tenderer shall also indicate the rates for the CMC and AMC in price bid form and such rates are binding on the successful tenders after the expiration of the warranty period. The yearly rates for CMC/AMC shall remain one and the same as quoted in the price bid form for the extended years. Cost of CMC (including taxes, if any) will be considered for Ranking/Evaluation purpose. The payment of the agreed CMC/AMC charges will be made as per frequency for payment after satisfactory completion of said period, on receipt of service report/break down report

### **6.31 Spare parts/Reagents**

6.31.1 The tenders shall offer prices for all the spares/reagents mentioned in the technical specifications separately in the price bid form.

6.31.2 Successful tenderer shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Tender Inviting Authority promptly on receipt of order from the Tender Inviting Authority.

6.31.3 The successful tenderer shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the Tender Inviting Authority for such replaced parts/goods thereafter.

6.31.4 The Tender Inviting Authority may place orders for additional spares/consumables/reagents which are needed for the smooth performance/operation of the equipment and the successful tenderer shall be willing to supply the same in time at the cost offered in the price bid forms, failing which, such instances will be construed as a breach of tender conditions and lead to penal provisions.

6.31.5 The method of evaluation and comparison of prices will take into consideration the cost of the reagents as well.

## **6.32 Training**

6.32.1 The successful tenderer has to impart on-site training to Doctors/ Technicians/Para-medical staff on the operation and preventive maintenance of the equipment at the time of installation and anytime during warranty period to the satisfaction of the Tender Inviting Authority.

6.32.2 The training details shall be recorded in the installation certificate for enabling the Tender Inviting Authority to make the first 60% payment.

## **6.33 Imported Equipments**

6.33.1 The Tender Inviting Authority shall in no way involve in the import of the equipments from foreign countries, if such equipments are manufactured outside the country. It shall be the solemn duty of the tenderer to import the equipments offered by paying the requisite consideration in foreign currency and following the stipulations issued by the Government of India, from time to time, in the import of equipments.

6.33.2 The tenderers shall inform any advantages in prices to the Tender Inviting Authority because of reductions/exemptions in customs duty in case of imported equipments at the time of pre-tender meeting and the tender document shall be modified by amendment to that extent.

6.33.3 The Tender Inviting Authority will not interfere in any manner with the import process and the successful tenderer shall be solely responsible for supply and installation of any equipment at the time and locations stipulated/agreed to in the bids.

6.33.4 Successful tenderer shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Tender Inviting Authority promptly on receipt of order from the Tender Inviting Authority.

## **6. 34 Intellectual Property Rights (IPR)**

6.34.1 The successful tenderer shall, at all times, indemnify and keep indemnified the Tender Inviting Authority, free of cost, against all claims which may arise in respect of goods & services to be provided by the successful tenderer under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks.

## **6. 35 Corrupt or Fraudulent Practices**

6.35.1. It is required by all concerned to observe the highest standard of ethics during the procurement process. In pursuance of this policy, the Tender Inviting Authority prescribes the following conditions:

6.35.2 “corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence in the procurement process or in contract execution; and

6.35.3 “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 Tender Inviting Authority, 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 Tender Inviting Authority of the benefits of free and open competition;

6.35.4 Tender Inviting Authority 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; will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the Tender Inviting Authority if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

6.35.5 No tenderer shall contact the Tender Inviting Authority or any of its officers on any matter relating to its bid, other than communications for clarifications and requirements under this tender in writing, with an intention to influence the members of various committees or officials of Tender Inviting Authority. Any such effort by a tenderer to influence the Tender Inviting Authority in the Tender Inviting Authority's bid evaluation committee, bid comparison or contract award decisions may result in rejection of the tenderer's bid.

### **6.36 Force Majeure**

6.36.1 For purposes of this clause, Force Majeure means an event beyond the control of the successful tenderer and not involving the successful tenderer's fault or negligence and which is not foreseeable and not brought about at the instance of the party claiming to be affected by such event and which has caused the non-performance or delay in performance. Such events may include, but are not restricted to, acts, 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.

6.36.2 If a Force Majeure situation arises, the successful tenderer shall promptly notify the Tender Inviting Authority in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Tender Inviting Authority in writing, the successful tenderer 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.

6.36.3 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.

6.36.4 In case due to a Force Majeure event the Tender Inviting Authority is unable to fulfill its contractual commitment and responsibility, the Tender Inviting Authority will notify the successful tenderer accordingly and subsequent actions taken on similar lines described in the above sub-paragraphs.

### **6.37 Resolution of disputes**

6.37.1 If dispute or difference of any kind shall arise between the Tender Inviting Authority and the successful tenderer in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

6.37.2 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 tender document, either the Tender Inviting Authority or the successful tenderer may give notice to the other party of its intention to commence arbitration, as provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India.

6.37.3 In the case of a dispute or difference arising between the Tender Inviting Authority and a domestic Successful tenderer relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of the Board of Directors whose decision shall be final.

6.37.4 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., Kollam, Kerala State, India.

### **6.38 Applicable Law & Jurisdiction of Courts**

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

6.38.2 All disputes arising out of this tender will be subject to the jurisdiction of courts of law in Kollam

### **6.39 General/ Miscellaneous Clauses**

6.39.1 Nothing contained in this Contract shall be construed as establishing or creating between the parties, i.e. the successful tenderer/its Indian Agent/CMC Provider on the one side and the Tender Inviting Authority on the other side, a relationship of master and servant or principal and agent.

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

6.39.3 The Successful tenderer shall notify the Tender Inviting Authority of any material change that would impact on performance of its obligations under this Contract.

6.39.4 Each member/constituent of the Successful tenderer in case of consortium shall be jointly and severally liable to and responsible for all obligations towards the Tender Inviting Authority for performance of contract/services including that of its Associates/ Sub Contractors under the Contract.

6.39.5 The Successful tenderer shall, at all times, indemnify and keep indemnified the Tender Inviting Authority 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 successful tenderer/its associate/affiliate etc.

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

#### **6.40 Penalties for non-performance**

6.40.1 The penalties to be imposed, at any stage, under this tender are;

6.40.1.1 imposition of liquidated damages,

6.40.1.2 forfeiture of EMD/performance security

6.40.1.3 termination of the contract

6.40.1.4 blacklisting/debarring of the tenderer

6.40.2 Failure to produce the requisite certificates after claiming to possess such certificates or concealment or misrepresentation of facts will not only lead to rejection of tenders in the first round itself and/or may lead to forfeiture of EMD or performance security as well as result in black listing/debarring of the tenderer.

6.40.3 The penalties to be imposed on the tenderer, at any stage, will be decided on the basis of the violations of number of tender conditions specifically mentioned in the tender document as that leading to forfeiture or EMD/ Performance Security or leading to black-listing/ debarring .

6.40.4 Any unexcused delay by the successful tenderer in maintaining its

contractual obligations towards delivery of goods and performance of services shall render the successful tenderer liable to any or all of the following sanctions:

6.40.5 Liquidated damages:- If the successful tenderer fails to deliver any or all of the goods or fails to perform the services within the time frame(s) prescribed in the contract, the Tender Inviting Authority shall, without prejudice to other rights and remedies available to the Tender Inviting Authority under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% of the equipment to be supplied per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 15% of the contract price. Once the delivery period is exceeded, Tender Inviting Authority may consider termination of the contract. During the above-mentioned delayed period of supply and / or performance, the conditions incorporated shall also apply and Tender Inviting Authority shall seek alternate measures at the risk and cost of the successful tenderers.

6.40.5.1 The penalties imposed by the Tender Inviting Authority will be published on the website of the Tender Inviting Authority for a period as decided as appropriate by it.

6.40.5.2 The decision to impose penalties and finally to black list the defaulting firm will be final and shall be binding on all tenderers participating in this tender.

## **6.41 Termination of Contract**

6.41.1 Termination for default:- The Tender Inviting Authority, without prejudice to any other contractual rights and remedies available to it (the Tender Inviting Authority), may, by written notice of default sent to the successful tenderer, terminate the contract in whole or in part, if the successful tenderer 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 Tender Inviting Authority.

6.41.2 In the event of the Tender Inviting Authority terminating the contract in whole or in part, the Tender Inviting Authority 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 successful tenderer shall be liable to the Tender Inviting Authority for the extra expenditure, if any, incurred by the Tender Inviting Authority for arranging such procurement.

6.41.3 Unless otherwise instructed by the Tender Inviting Authority, the successful tenderer shall continue to perform the contract to the extent not terminated.

6.41.4 Termination for insolvency: If the successful tenderer becomes bankrupt or otherwise insolvent, the Tender Inviting Authority reserves the right to terminate the contract at any time, by serving written notice to the successful tenderer without any compensation, whatsoever, to the successful tenderer, 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 Tender Inviting Authority.

6.41.5 Termination for convenience:- The Tender Inviting Authority reserves the right to terminate the contract, in whole or in part for its (Tender Inviting Authority's) convenience, by serving written notice on the successful tenderer at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Tender Inviting Authority. The notice shall also indicate inter alia, the extent to which the successful tenderer's performance under the contract is terminated, and the date with effect from which such termination will become effective. Further details could be obtained from the office of the Secretary, Kollam District Cooperative Hospital Society Ltd Q 952

## **6.42 Fall Clause**

6.42.1 The prices charged for the equipment supplies under the contract by successful tenderer shall in no event exceed the lowest price at which the successful tenderer sells the equipments of identical description to any other persons during the period of contract. If any time, during the contract, the tenderer reduces the sales price chargeable under the contract, he shall forthwith notify such reduction to the Tender Inviting Authority and the price payable under the contract of the equipments supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

# Appendix

## Technical Specifications

### 1.5 T MRI Scanner

- 1.1. The system should be optimised for higher performance in cardiovascular, neuroradiological and other body examination having high homogeneity, stable superconducting magnet with high performance gradient and digital radiofrequency system with matching multichannel coils.

#### 1.2. MAGNET SYSTEM

1. The magnet should be 1.5 Tesla active shielded superconducting, light weight with optimum acceptable level of homogeneity.
2. The magnet should be of shortest length as possible.
3. Details of number of plane plot used for measurement as well as number of measurement point per plane should be clearly specified and should not be less than 20.
4. The horizontal diameter of the magnet tunnel should be adequate with flared end so as to accommodate bulkiest of patient and to provide maximum comfort and no claustrophobia. Bore should be wide with at least 70 cms.
5. The magnetic tunnel should have better illumination, ventilation and music system.
6. The front panel of the magnet should display the identity of selected coil, table position and other physiological parameter selected.
7. Emergency helium release button should be provided at least in two places (inside MR examination room and console room).
8. Built in 2 way intercom facility to communicate with patient should be available in the gantry.

#### 2. SHIM SYSTEM

- 2.1. Global and localized, manual and auto shimming is required for a high homogeneity magnetic field for high resolution imaging and spectroscopy.
  - a. Type of shim, Active, Passive, Combination of both.
  - b. Provide details of higher order shim coils as optional items.

- c. Give details about extended shim system.

### **3. PATIENT TABLE**

1. Fully motorised with horizontal, vertical movements and should be computer controlled.
2. Position accuracy should be highest in all scannable range.
3. High accuracy of repositioning.
4. Longitudinal movement of the table should be optimum for CE MRA and peripheral Angiography.
5. Table should withstand a patient load of 150 kg or more.
6. Table top width should be more than 50 cm.
7. Table should have facility for emergency manual retraction.
8. The table should be provided with automatic bolus tracing.
9. Table should be provided with self storing nonferrous i/v pole, i/v injector board and arm support.
10. For monitoring patient in the table, a colour CC TV and camera with zoom and pan facility of appropriate size and good resolution from standard manufacturer should be provided.
11. Distal display of table position to be provided.
12. Automatic positioning of patient table without laser.
13. Table control from console to start and stop a scan.
14. Step table movement must be available. This should deliver protocols for automatic bolus chasing in peripheral Angiography. The effective field of view for such Z axis coverage should be at least 1.4 meter.
15. Type of light localizer for patient position.
16. One button isocentre positioning to be present.
17. Home positioning just by push button.
18. Immediate table release and manual table move from gantry in case of emergency.
19. All parts of the table should be protected from liquid spill.
20. Provide Patient immobilization devices; e.g. Security straps and cushions etc.
21. All patient essential accessories and comfort aid to be provided.

22. Hand held patient alarm system should be present.
23. Music entertainment for patient (integrated, inclusive of CD disc interface).

#### 4. GRADIENT SYSTEM

1. The actively shielded gradient system should have a gradient minimum 33 mT/M per axis with an adequately small rise time to have a slew rate of minimum 125 mT/M/msec per axis with 100% duty cycle. The gradient should be capable of delivering largest field of view in all three axes.
2. Capable of performing single shot EPI and multi nuclear spectroscopy. High order of stability, linearity and minimum acoustic noise is required.
3. Accessories to be provided to reduce acoustic noise in fast and EPI mode in the magnet.
4. The minimum TE in gradient echo 2D/3D should be smallest at 256 x 256 matrix.
5. The minimum TR in gradient echo 2D/3D should be smallest at 256 x 256 matrix.
6. Measurement matrix should be highest in both 2D and 3D imaging.
7. The Gradient system should have provision for eddy current compensation.
8. Largest field of view with guaranteed homogeneity of  $\pm 1$  ppm in the equipment.
9. Max FOV available on all three axes x, y and z.
10. Minimum TR, TE and slice thickness in EPI including other imaging modes and minimum volume in spectroscopy. *Measurement Matrix*  

128 X 128 to 1024 X 1024 in 2D and  
 3D  $64^2$ ,  $128^2$ ,  $256^2$ ,  $512^2$ ,  $1024^2$ .
11. Mechanism/safety measures to avoid peripheral nerve stimulation by high gradient stimulation to be present.

#### 5 RF SYSTEM

1. RF system should be fully digital, solid state, broad band capable of EPI and multinuclear spectroscopy.

2. It should be of latest technology like TIM/GEM/dStream or equivalent to enhance workflow.
3. Digital transmitter should be capable of precise frequency and phase control RF pulses with the smallest incremental frequency range of 1 KW with transmit power of at least 15 KW.
4. The RF system should have multiple independent RF receiving channels of each having band width of 1 MHz or more.
5. The number of available channels in the system/coil should be minimum 16 channels with 16 pre-amplifiers.
6. RF system should support advance neurological, cardiac, body and spectral imaging.
7. System should have necessary hardware to support quadrature phased array and flexi coils.
8. RF system should support MR spectroscopy and received dynamic range should be > 130 decibel.
9. System should be compatible with parallel imaging technique.
10. Range receiver band width Receiver Minimum 1 MHz per channel (not sampling bandwidth).
11. Phase resolution 0.1 degree/step or better.
12. Coil tuning, impedance matching, RF power parameter and pre-amplification gain adjustment must be fully computer automated and optimised for each patient.
13. All multi channel coils should have built in pre-amplification to ensure high SNR.
14. Study of abdomen, hip etc. should be parallel imaging compatible.
15. System should include excellent RF room shielding and include RF door screen to minimise radio frequency (RF) interference to a minimum level.
16. Best quality (steel or equivalent) standard free standing RF cabin.

## **6. RF COILS**

6.1. The following multichannel coils should have the following capabilities for dedicated purposes.

1. Coils with higher number of elements and channels are required.
2. Coil to be selected from console.

3. Coil should be capable of parallel acquisition technique.

6.2. Quote prices of each coil separately.

1. High quality quadrature/circular polarised (CP) body coil (integrated to magnet).
2. Body coil compatible with parallel imaging technique for scan time reduction factor of 8 or better. Parallel imaging in all directions and without any compromise should be possible with all sequences and number of receive channels offered in the system should not restrict usage of parallel imaging in any way to the above factors.
3. Body coil must be actively decoupled during surface coil imaging.
4. Brain study should be possible with suitable hardware and software.
5. Head coil with parallel imaging technique compatibility up to factor 8 or better. Parallel imaging in all directions and without any compromise should be possible with all sequences and number of receive channels offered in the system should not restrict usage of parallel imaging in any way to the above factors.
6. NV coil for Angiography and coverage from Aortic Arch to the circle of Willis with scan time reduction factors of 8 or better.
7. CP phased array spine coil for cervical, thoracic and lumbar spine imaging with parallel imaging compatibility.
8. Breast Coil; imaging of both breasts – in single acquisition.
9. Cardiac imaging; Cardiac MRI should be possible with suitable hardware and software.
10. Hardware required for imaging- two general purpose flexible coils (flexi coil inter phase).
11. Set of flexible or dedicated Phased Array coils suitable for shoulders, extremity, knee and joints (including TMJ) applications with parallel imaging factor 2 or better.
12. Coil suitable for the study of small parts like finger.
13. Suitable coil for high quality lower peripheral Angiography in multi-station Angiography study combinable with parallel imaging technique for avoiding venous contamination in lower peripherals.
14. For peripheral Angiography study. Quadrature array technology should be capable of performing renal to ankle angiography coverage.
15. Suitable Endo-rectal coil for high resolution imaging of prostate, Rectum, Cervix and related area.

## 7. HOST COMPUTER

1. Efficient fast, powerful and latest in industry with sufficient memory and computational speed to perform high speed imaging, interactive angiograms, multiplanar reconstruction, surface rendering, dynamic imaging and other application; echo planar imaging.
2. Necessary image processor with sufficiently large memory for ultra fast image reconstruction capable of performing real time image reconstruction in 2 mms or less for the above application mode and dedicated hardware for data conditioning and digital filtering.
3. The system should have integrated CD/DVD/Blue-ray archiving facility on the main console for storage of images in 256 matrix.
4. The main console should be capable of acquisitions, calculations, post processing etc. including MIP, MPR, MPVR, EPG, perfusion, BOLD maps, ADC maps for diffusion imaging and metabolite maps for spectroscopic data.
5. Necessary image processor with sufficiently large memory for ultra fast image reconstruction capable of performing real time image reconstruction in 50 ms or less for the above application mode and dedicated hardware for data conditioning and digital filtering.
6. Main Memory (minimum 8 GB RAM) Expandable.
7. Image RAM capacity, 2 GB or more.
8. It should have hard disc with capacity to store largest number of uncompressed image of 256 x 256 matrix size image with at least 512 GB storage for image and raw data.
9. Erasable disc drive for dynamic data manipulations.
10. DICOM 3 (or newer) interface to hook DICOM laser camera, PACS and other DICOM compatible modalities.
11. To be compatible with standard RIS also without additional software or hardware.
12. Image display of 1024 X 1024 matrix.
13. Necessary operating system of latest version.
14. Upgradability of the Host CPU – company must upgrade the host CPU hardware as and when they upgrade to then prevailing industry standards free of cost.
15. Acquisition of next sequence must be possible while the image for last sequence is being reconstructed.

16. The possibility of automatically displaying images immediately after reconstruction should be available.
17. Automatic display of reconstructed images.
18. Simultaneous use of the main console for other task to be possible.
19. Parallel scan and reconstruction and display should be possible.

## **8 OPERATORS CONSOLE**

1. Monitor size at least 18" LED/LCD type, TFT colour monitor magnetically shielded.
2. Display matrix – 1024 X 1024.
3. Integrated post processing on console – all high-end applications such as cardiac quantification, processing for diffusion and perfusion weighted imaging, BOLD and MR spectroscopy analysis to be available on the main console and in workstation.
4. The pulse sequences must be variable and controllable from the operator console.
5. The operator will control slice thickness, number of slice technique parameters and sequence initiation.
6. The computer will control the sequencing operation.
7. Image documentation to be possible from the main console.
8. Integrated patient physiological signal monitoring (ECG, respiration and pulse) should be standard on console.
9. Gating hardware for ECG, Pulse, respiration etc to be provided and display available in OPERATORS CONSOLE ROOM.
10. Availability of additional display of physiological data in the examination room.
11. Remote and on magnet display of gating signal.
12. Operator's console to have the following.
  - a. Emergency scan abort capability.
  - b. Manual Over rise.
  - c. Audio system for communication.
  - d. Room oxygen level indicator.
  - e. Details of gradient cooling – Amplifier Gradient coils.

## 9 ONE WORKSTATION WITH COLOUR DISPLAY

9.1. Identical in performance as main measurement console and having same user interface (controllable from the keyboard and mouse facility) with evaluation capabilities like MIP, MPR, surface reconstruction, spectral analysis etc.

1. It must be completely independent to allow totally unconstrained operation.
2. Main Memory (minimum 8 GB RAM)- expandable.
3. Hard disc storage capacity of 1 TB or higher.
4. CD/DVD/Blu-ray writer to be included.
5. Colour monitor 18” LCD/LED/TFT colour monitor–1280 X 1024 pixel resolution or better.
6. Necessary interface for data transfer, along with recording and display facility must be provided.
7. The image format must conform to ACR-NEMA format; standard- DICOM 3 or newer versions.
8. Image documentation to be possible from the additional workstation also.
9. Display of cardiac cine images in movie mode.
10. Provide dedicated cardiac package on console and additional workstation.
11. Calculation of ventricular area and volume, stroke volume, ejection fraction and relative ejection fraction etc to be available in Additional work station also.
12. Calculation of myocardial thickness, mass and signal intensity for multiple myocardial segments to be provided.
13. Time volume diagram generation, filling rates and myocardial wall motion.
14. Graphic display of output calculation of flow and velocity parameter with colour coded display of velocity parameters.
15. Complete comprehensive cardiac post processing software to be provided with regular upgrades in future.
16. Processing of 2D/3D CSI (Chemical Shift Imaging) with parametric metabolic mapping .
17. Post processing of BOLD data sets for colour overlay of functional and anatomical data to be real time.
18. Should have capability to calculate/colour display of MTT, regional (r) CBV, regional (r) CBF.

19. Analysis of vessel disease with the possibility of detection of vessel segments and to quantify changes in vessel size.
20. 3D VTR software for visualization of complex anatomy.
21. Complete 3D reformation package.
22. Workstation to be provided with a workstation table and two numbers of ergonomically designed operator chair.
23. Compatible with data from high resolution MRI Units.
24. Required Interface for existing equipments (CT, MRI, Ultrasonography, DSA) and PACS.

## **10. DATA ACQUISITION**

1. System should be capable of 2D and 3D acquisitions in conventional, fast, ultra fast spin echo and gradient echo modes so that real time online images can be observed.
2. 2D multi slice imaging to be possible in all planes (axial – sagittal – coronal. Oblique and double oblique).
3. Matrix – 128 X 128, 256 X 256, 512 X 512, 1024 X 1024 and rectangular matrix selectable in steps of 1.
4. Half Fourier or other technique to reduce scan acquisition time while maintaining adequate SNR.
5. 3D volume, multiple continuous 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 sequence 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 imaging.
10. Maximum off-centre positioning. Anterior, posterior and lateral direction should be selectable.
11. Gating physiological signal like ECG, pulse, respiratory, external signal triggering (interface for triggering input pulse from external source).
12. Simultaneous acquisition, processing and display of image data in multi slice mode.
13. Selection of VOI's from oblique slices should be possible while doing spectroscopy.

14. Artifact reduction, image enhancement, image filtering, image subtraction, image addition, image multiplication, image division techniques.
15. Flow artifact compensation.
16. Presentation slabs – a number of re-locatable saturation bands can be placed either inside or outside the region of interest.
17. Graphic presentations.
18. Fat saturation techniques, frequency selective RF pulses to suppress fat signals in the measured image FOV.
19. Magnetization transfer saturation: Off resonance RF pulses to suppress signals from stationary tissue in FOV phase contrast capability in 2D and 3D mode.
20. Image intensity correction.
21. Breathe hold acquisition.
22. Free breathing acquisition (2D, 3D).
23. EPI mode
  - a. Data acquisition in all three standard planes (axial, sagittal, coronal, oblique and double oblique planes).
  - b. Matrix 128 X 128, 256 X 256 acquisition capabilities in single shot EPI acquisition time.

## **11 PARALLEL ACQUISITION**

- 11.1. System should have parallel acquisition capabilities with the following requirements.
1. Compatible with 2D and 3D, SE, FSE, gradient and other newer sequences.
  2. Should be combinable with all orientations (Transverse, sagittal, coronal and oblique).
  3. Should be combinable with all imaging applications (Neurological, Cardiac, Orthopedic, Body, musculoskeletal, Angiography including CE Angiography).
  4. Dedicated coil for reducing image acquisition time should be supplied (Fully compatible with parallel acquisition technique).

## 12. IMAGING SPECIFICATIONS

- Minimum TE in Gradient Echo, ii.3
- 1 i.2D D
- Minimum TR in Gradient Echo, i. ii.
- 2 2D 3D
- 3. Minimum TR in spiral mode.
- 4. Minimum FOV for all sequences (2D and 3D): 1cm or better.
- 5. Maximum FOV for all sequences (2D and 3D)-Maximum gradient amplitude should be possible over this FOV.
- 6. Motion correction in T2 and FLAIR acquisition should be available in addition to Susceptibility free non EPI Diffusion technique.
- 7. Motion detection and correction in 2D/3 D to be available.
- 8. Possible to perform scans with shared echo technique.
  
- 9. to perform scan with segmented K – space.
- 10.Ensure the availability of
- 11.Frequency selective fat saturation.
- 12.Frequency selective water excitation.
- 13.Magnetisation transfer contrast technique (MTC).
- 14.Maximum ETL, 128 or better in full Fourier transformation.
- 15.1024 X 1024 acquisitions and 1024 X 1024 reconstruction.
- 16.Minimum echo spacing EPI at 128 X 128.
- 17.Rectangular FOV.
- 18.Possible Half Fourier Imaging.
- 19.ECG Trigger including one set of patient lead wires, one fibre optic peripheral gating probe.
- 20.Physiological synchronisation; displaying and triggering of ECG, pulse, respiration and external triggering sources on main console.
- 21. Advanced trigger detection.
- 22. Arrhythmia minimisation.
- 23. Peripheral trigger.
- 24. Pulse/Respiratory trigger.

## **13 PULSE SEQUENCES and APPLICATIONS REQUIRED**

1. System should be capable of selecting TR and TE as per requirement in majority of the pulse sequences.
2. Soft ware and hard ware for functional imaging is standard.
3. The pulse sequences stated below or equivalent sequences by the different manufactures should be available.

### **13.1. Basic Pulse sequences**

1. Spin Echo (SE) – Multi slice single echo, multi slice multi echo with minimum TR and TE. SE with symmetrical and asymmetrical echo intervals.
2. Inversion Recovery (IR) including short TI – modified IRSE, FLAIR, DIR (Double Inversion Recovery).
3. MT with FLAIR STIR (Short Tau Inversion Recovery) SPIR.
4. Gradient Echo with transverse gradient/RF spoiling and transverse gradient re-phasing e.g. GRASS etc. 3D gradient echo with shortest TR and TE, free choice of flip angle selection while maintaining SNR.

### **13.2. Dynamic study for Pre and post contrast scans time intensity studies (Wash in and wash out) and Kinematics.**

### **13.3 Fast Sequences.**

1. FSE – Fast spin echo in 2D and 3D mode. T1, T2 and PD contrast capable of acquiring maximum of slices with a given TR and minimum TE.
2. Echo train should be at least 256 or more in fast spin echo mode.
3. Ultra short fast spin echo.
4. Half Fourier acquisition capabilities should be available with/without diffusion gradient and in combination with fast spin echo.
5. Fast spin echo with inversion recovery.
6. Fast gradient spin echo IR multi slice, multi echo mode with minimum turbo factor. Sequences should incorporate RF focusing to acquire ultra fast gradient spin echo.
7. Fast gradient echo sequences should incorporate RF spoiling and other techniques to acquire image in ultra fast 2D and 3D modes.
8. Fat and water suppressed imaging sequences.

#### 13.4. Ultra – Fast sequences

1. EPI (Echo Planar Imaging), Single shot and multi shot optimised sequences for T1, T2 and PD imaging. Perfusion, regular diffusion values (5b, 3 directions) EPI – FLAIR, EPI – FLAIR diffusion Tensor, EPI - MT – FLAIR. Tensor diffusion [5b values in minimum six directions with FA maps, Eigen Vector maps and 3 dimensional Tractography colour White matter maps] diffusion studies, suitable artifact/fat suppression techniques to be incorporated in the sequence to have optimum image quality. There should be capability of calculating ADC map (Isotropic and isotropy) from regular diffusion and tensor data.
2. Single shot selectable with all coils including phased array coils for very fast imaging of trauma patients.

#### 13.5. Optimized sequence package for special application.

1. MR Angiography – Comprehensive Angiography software package.
2. 2D TOF, 3D TOF, TOF overlapping sequence.
3. 2D/3D phase contrast with and without gating and magnetization transfer saturation.
4. Black Blood Angiography for cerebral, pulmonary, abdominal and peripheral vessels.
5. For peripheral Angiography moving table Angiography must be provided so that complete limb can be examined in single go.
6. Bolus tracking software package must be provided.
7. Sequences for breath hold Angiography with contrast enhancement should be offered.
8. Sequence package for diffusion study in organ like brain, Kidney, muscle, heart etc.
9. Perfusion study in organ system like Kidney, Brain, Muscle, Heart etc evaluation package for calculating CBV, CBF, MTT, Perfusion MAP etc. Give maximum B values available (Should be possible on main console in real time).
10. Flow quantification in vessel and CSF, hepatobiliary system.
11. Optimised breath hold sequences for abdominal studies including Angiograms.
12. Internal Ear Imaging.

13. MR cholangiography, MR Pancreatogram; MR Urography, specialised sequences and processing to perform MRCP.
  14. MR Ventriculography and Cisternography.
  15. Flow quantification package for CSF with dynamic CSF flow imaging at aqua duct and spinal canal.
  16. Pulmonary 2D/3D MRA sequences.
  17. Navigator technique for collection of functional imaging data.
  18. Artifact reducing software (for example, reducing CSF flow artifacts in FLAIR 2D/3D imaging).
- 13.6. Advanced MR cardiac examination package required for evaluation of heart in long and short axis with black blood cardiac imaging.
1. Morphology, wall motion, perfusion imaging, cardiac tagging technique, real time interactive imaging free breathing cardiac MR examination.
  2. Package for coronary artery imaging including sequences for motion compensation prospective and retrospective gating should be available.
  3. No contrast coronary imaging also required.

## **14 SPECTROSCOPY**

1. System should have necessary hardware to perform Spectroscopy both  $^1\text{H}$  and  $^{31}\text{P}$ .
2. Facilities for second channel for double resonance technique.
3. Water suppression facility.
4. Capability for single voxel and multi voxel spectroscopy acquisition.
5. STEAM, PRESS, CSI, STEAM with CSI, PRESS with CSI with different TR/TE.
6. Simultaneous multivoxel acquisition with CSI capabilities
7. Multi slice MRS with fat and water suppression using SE and EPI techniques.
8. Post processing should include FFT, base line correction automatic phase correction, curve fitting, metabolite image and spectral mapping, correlation, quantification of metabolites etc.
9. Spectroscopic mapping.
10. Sequences for metabolite mapping.

11. Minimum VOXEL size for  $^1\text{H}$  (head coil) - to be mentioned.
12. Minimum VOXEL size for  $^{31}\text{P}$  (head coil) - to be mentioned.
13. Simultaneous display and evaluation of image spectroscopy data.

## **15. POST PROCESSING AND EVALUATION SOFTWARE**

1. 3D multi planer reconstruction (MPR) in any arbitrary plane including curved planes with freely selectable slice thickness and slice increments in matrix 256 X 256 X 128.
2. 3D surface reconstruction and evaluation of a reconstructed image with minimum time.
3. MIP in 2D and 3D mode. Targeted/segmental MIP in any orthogonal axis with minimum processing time and capable of displaying in cine mode.
4. Cardiac evaluation operator selective or automatic contour mapping and calculation of cardiac parameters like wall thickness, stroke volume EF, filling rate, myocardial wall motion etc. including display of data in table, graph and in cine mode.
5. Perfusion image analysis and evaluation with time intensity graph and other statistical parameters.
6. Flow quantification and evaluation for vascular flow (high and low) CSF flow, bladder out let.
7. Image statistics – measurement of distance, area, volume angle, SD, mean, image addition, subtraction, multiplication, division, interpolation, segmentation, threshold, histogram, ROC.
8. Evaluation feature like, Zoom, rotation, scroll, roaming, image synthesis, multipoint T1 T2 calculation (more than 3), Window stretching, text dialogues, graphics, storing, searching, archiving, recalling.
9. T1 relaxometric measurement.

## **16. MULTIFORMAT IMAGER**

1. Dry imager – DICOM 3.0 (or newer version) compatible, Dry chemistry.  
  
600 DPI or more, with at least two film drawers. 14 x 17 “(35 x 45 cm) and 14 x 14” (35 x 35 cm) size.
2. System must provide complete batch filming with means to adjust

image contrast and density.

3. Imager must be controlled for exposure from the operator's console and any workstation. An interlock/indicator system must be provided to prevent image production from one console, being intermixed with images from other consoles.
4. Automatic transport system.
5. Remote keypad, contrast inversion, 35mm adaptability.
6. Should be connectable to multiple modalities like CT, MRI, Angiographic systems, Ultrasonography, with on line PACS necessary interface must be provided. Filming must be possible with all modalities mixed on a film.
7. Must be able to do serial processing imaging system wise when multiple systems are connected to the processor.
8. All needed software and hardware must be provided.

## **17 OTHER STANDARD ACCESSORIES**

1. MR compatible pressure injector of a reputed firm with control from console.
2. Fully digital, double head for contrast and saline with disposable syringes of 130 or 200 ml.
3. A minimum of 200 numbers of syringes with connectors to be supplied along with the equipment.
4. MR compatible anaesthesia equipment with Boyle's apparatus.
5. MR compatible servo ventilator and infusion pump.
6. MR compatible pulse-oximeter.
7. MR compatible stethoscope— 3 numbers.
8. MR compatible continuous patient monitoring system.
9. MR compatible IV stand— 2 numbers.
10. Pediatric leads for ECG, Pulse gating and respiratory gating.
11. Anesthesia table – for induction.
12. MR compatible patient trolley – 2 numbers.
13. Suitable chiller system – original.
14. RF cabin and interior with air-conditioning of the same should be provided.

15.RF coil storage cart – custom designed in teak wood.

16.Patient comfort kit including following and other standards.

- 1 Noise guard head set for adult, children and neonatal.
- 2
  - 2 Nonmagnetic prism glass.
  - 3 Ear phones.

17.2000 rewritable DVD-compatible with the system.

18.Pen drive with 16GB memory – 4 numbers.

19.Hand held metal detector – 2 numbers.

20.System should be capable for networking – network port.

21.Colour Laser printer with high resolution.

22.Three ergonomically designed chairs for consoles.

23.Suitable UPS for the complete system with a minimum 30 minutes backup.

24.MR compatible fire extinguisher.

25.Necessary calibration phantom.

**18. Personal computer with printer and scanner of following specification.**

No	Model	Configuration
1.	Processor	Intel Pentium i7 or equivalent 3 GHz Processor
2.	Mother board	Intel 865 Original (800 MHz) FSB motherboard
3.	Memory	16 GB RAM, dual channel support.
4.	Hard drive	2 TB
5.	Graphics card	2 GB dedicated RAM for Graphics
6.	Graphics card resolution	Maximum 3D/2D resolution of 2048 x 1536 or better, 16 million colours

7.	Audio/sound	Onboard AC97, 3D audio
8.	LAN	Onboard Realtek 10/100 LAN chip
9.	Expansion slots	<i>3 PCI</i>
10.	Keyboard	<i>USB, multimedia keyboard</i>
11.	Mouse	<i>Optical mouse</i>
12.	Monitor	<i>17" LED monitor</i>
13.	Drives	<i>DVD/Blu-ray Read and Write</i>
14.	Speaker	<i>Stereo</i>
15.	O/S support	<i>WINDOWS 10 AND Linux (LATEST)</i>
16.	Printer	<i>Laser printer [black and white]</i>
17.	UPS	<i>600 AV (30 Min. back up)</i>
18.	Scanner	<i>High resolution- including transparency up to 14X17" film</i>
19.	Computer Table	<i>One</i>

20.	Ergonomically designed  Computer chair	<i>One</i>
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**19 OPTIONAL ITEM- Quote separately as optional.**

19.1. Stereotaxy.

- a. New stereotaxic frame – Leksell Microstereotactic system – Model G with required software compatible with CT also.
- b. Stereotactic attachment for the existing frame with required software.
- c. Software for non stereotaxic MRI guided biopsy.

19.2. Biopsy coil with biopsy attachment.

- a. Provide details of higher order shim coils as optional items.
- b. Overlapping MRA on MRI to see the exact correlation.
- c. Future up-gradation of gradient performance in term of amplitude and rise time should be possible at site.
- d. Upgradeability of Gradient to 40 mT per meter- Quote optional.

**20.COMMISSIONING AND QUALITY ASSURANCE (QA)**

- 1. Compliance of all the technical parameters which are demonstrable using appropriate phantom as per the latest international guidelines should be demonstrated by the firm at the time of commissioning the unit.

**21.PERIODIC IMAGE QUALITY TEST**

- 1. Test phantoms should be provided to calibrate and measure system performance as per the latest international guidelines.
- 2. Automatically perform QA procedure on a daily basis (SNR, Uniformity, Slice thickness, Contrast, geometric distortion and resolution) or performance evaluation package.

**22. POWER SUPPLY**

- 1. Equipment should work in 415 – 440 V at 50 Hz AC.
- 2. Voltage stabiliser UPS back up for the entire system for minimum 30 minutes.

## **23.NETWORKING**

1. A software and hardware interface for a PACS connection to other modalities must be included.

## **24.TRAINING OF RADIOLOGISTS AND TECHNICIANS**

1. Training in MRI for two Radiologists for a period not less than 4 weeks in a reputed institution.
2. Training in quality assurance for a Physicist should be provided in a reputed centre.
3. Training for 2 technicians for a period not less than 4 weeks in a reputed institution.
4. All expenses for travelling, lodging, for training should be the responsibility of the company.

## **25.SAFETY REQUIREMENTS**

1. Safety requirement should meet internationally approved guidelines.

## **26.UPGRADABILITY**

1. Provision for hardware/software up gradation – free of cost during warranty period and during CAMC.
2. MR system should be upgradable to higher performance gradient to provide faster imaging.

## **27. SCOPE FOR TURNKEY WORK**

1. Installation, commissioning of the machine with all accessories mentioned.
2. Minor civil works and finishing works to remodel the existing room and the adjacent rooms for reporting.
3. Minor demolitions of existing wall.
4. Fixing of the lead glass on the wall.
5. Tile flooring on the gantry and console room.
6. Interior finishing works with false ceiling.
7. Dadoing work till false ceiling in the console and gantry room
8. Supply and Installation of the Air Conditioning units of suitable tonnage on the gantry and console room.
9. Necessary cabling work, lightings, switches and various sockets and electrical distribution paneling works.

10. Lead lining on the doors and frames as per AERB requirements.
11. Facilitating the user institution to obtain DRS approval (necessary drawing by the supplier).
13. Obtaining electrical inspectorates approval (necessary drawing by the supplier) by liaising with hospital authorities
14. The CMC rate offered shall be inclusive of all items supplied along with the machine including Air conditioner etc.
15. The bill of items with specifications of turnkey is provided in the price bid. Unit rate shall be offered and lumpsum shall be offered wherever requested. The actual requirement of each site and the bill of quantities of each site can be finalized after the award of work.
16. The rate offered for turnkey shall be taken for L1 evaluation. The split-up items and the quantity taken for evaluation is shown below. However actual quantity may vary depend upon site.
17. The rates offered shall be inclusive of labour charges, clearing of debris, storage of materials, loading, Unloading, etc.
18. Medical gas (O<sub>2</sub>, N<sub>2</sub>O, and air) and vacuum outlets (for the anaesthesia machine and suction jars) should be provided from the existing pipeline available in the hospital. Unit rate shall be offered.

## **28. OTHERS**

1. The offer should be accompanied by original product data sheet/brochure of the product and AERB type approval certificate or valid No Objection Certificate (NOC) for the model offered should be submitted along with the technical bid. In case of NOC valid type approval certificate has to be submitted prior to submission of invoice for payments.
2. There shall be no separate licensing fee for the use of software (software by the bidder or third party) supplied by the bidder.
3. All equipment provided shall be of current production, new and of first rate quality.
4. Remote diagnostic capabilities must include the ability to remotely connect the system on a regular basis to retrieve information about the system and to correct any software problems.
5. It is the responsibility of the bidder to provide all items required but erroneously mentioned or omitted above for the full commissioning of the equipment.
6. Specify the manufacturer's and country of origin (Certificate from chamber of commerce of country of origin should be produced).
7. All spares should be available for minimum 10 yrs.
8. Pre-installation requirements should be specified.

**Annexure -1**  
**MANUFACTURERS OFFER FORM**

*(to be submitted by manufacturers)*

No.

Dated:

To

The Secretary,  
Kollam District Cooperative Hospital Society Ltd Q 952

Sir,

Tender No        :

Equipment Name        :

1. We ..... (name of the OEM) declare that we are the original manufacturers of the above equipment having registered office at ..... (Full address with telephone number/fax number & email ID and website), and having factories at \_\_\_\_\_
  
2. No company or firm or individual has been authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.
  
3. We hereby declare that we are willing to provide guarantee/warranty and after sales service during the period of warranty/CMC/AMC as per the above tender.

4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name) for and on behalf of M/s. \_\_\_\_\_

Date: (Name of manufacturers) Place:

*Note: This letter of authority should be on the letter head of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.*

**Annexure-2**

**MANUFACTURER'S AUTHORISATION FORM**

*(to be submitted by authorized  
dealers/representatives/importers)*

No.

Dated:

To

The Secretary

(Tender Inviting Authority)

Kollam District Cooperative Hospital Society Ltd Q 952

Sir,

Tender No : \_\_\_\_\_

Equipment Name : \_\_\_\_\_

1. We ..... (Name of the OEM) are the original manufacturers of the above equipment having registered office at ..... (Full address with telephone number/fax number & email ID and website), having factories at \_\_\_\_\_ and \_\_\_\_\_, do hereby authorize M/s. \_\_\_\_\_ (Name and address of tenderer) to submit tenders, and subsequently negotiate and sign the contract with you against the above tender no \_\_\_\_\_
2. No company or firm or individual other than M/s. \_\_\_\_\_ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

3. We also hereby undertake to provide full guarantee/warranty /CMC/AMC as agreed by the tenderer in the event the tenderer is changed as the dealers or the tenderer fails to provide satisfactory after sales and service during such period of Comprehensive warranty/CMC/AMC and to supply all the spares/reagents during the said period.
4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name) for and on behalf of

M/s. \_\_\_\_\_

Date: (Name of manufacturers) Place:

*Note: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the*

### Annexure-3

#### AGREEMENT

THIS AGREEMENT made on the..... Day of ..... 2017  
Between ..... (Name and Address of *Purchaser*) represented by  
the Secretary (Hereinafter “the *Purchaser*”) on the one part and  
..... (Name and Address of Supplier) .....  
(Hereinafter “the Supplier”) represented by ..... (Name of  
the Authorized Signatory and Designation), Aged ..... years, residing  
at ..... (Full Residential Address of the Signatory) on the  
other part:

WHEREAS the *Purchaser* has invited tenders for the supply of  
.....(brief description of goods and services vide tender no  
.....dated .....The supplier has submitted technical and price bids  
and also demonstrated the technical specifications / features / other  
quality requirements as contained in the tender document. The  
*Purchaser* has finalized the tender in favour of the Supplier for the  
supply of the said goods and services for a total cost of Rs.....  
(Contract Price in Words and Figures) (Hereinafter “the Contract Price”)  
and issued Letter of Intent / Supply Order No. .... dated  
.....

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the tender document referred to.
2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, viz.:
  - a. all the documents submitted by the tenderer as part of technical bid and price bid;

- b. the Schedule of Requirements;
  - c. the Technical Specifications and other quality parameters;
  - d. the clarifications and amendments issued / received as part of the tender document
  - e. the General Conditions of Contract;
  - f. the Specific Conditions of Contract; and
  - g. the *Purchaser's* Letter of Intent
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to supply, install and commission the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The *Purchaser* hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

**BRIEF PARTICULARS OF THE GOODS AND SERVICES WHICH SHALL BE SUPPORTED / PROVIDED BY THE SUPPLIER ARE:**

Sl. no	Brief description of goods	Quantity to be installed	Unit price (Rs)	Total Amount(3*4) (Rs)	Sales tax and other Taxes Payable (Rs)
1	2	3	4	5	6

Total value: 5+6

Delivery Schedule:

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the said ..... (For the *Purchaser*) in the presence of ..... Signed, Sealed and Delivered by the said..... (For the Supplier)

(Signature, Name, Designation and Address with Office seal) in the presence of.....

1. (Signature, Name and Address of witness)
2. (Signature, Name and Address of witness)

**Annexure -4**

**BANK GUARANTEE FORM**

To

The Secretary  
Kollam District Cooperative  
Hospital Society Ltd Q 952

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of Tender / Contract no \_\_\_\_\_ dated \_\_\_\_\_ (herein after called “the contract”) to supply the Kollam District Cooperative Hospital Ltd with ..... (Description of goods and supplies).

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 recognized 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 amount of Rs \_\_\_\_\_ (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 undertake to pay you any money so demanded notwithstanding any dispute or disputes raised by the supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under these presents being absolute and unequivocal.

We agree that no change or addition to or other modification of the terms of the contract to be performed thereunder 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.

No action, event, or condition that by any applicable law should operate to discharge us from liability, hereunder shall have any effect and we hereby waive any right we may have to apply such law, so that in all respects our liability hereunder shall be irrevocable and except as stated herein, unconditional in all respects.

This guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier(s).

We, \_\_\_\_\_ (indicate the name of bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent, in writing, of Kollam District Cooperative Hospital Society Ltd Q 952

This Guarantee will remain in force up to (Date) unless a claim or a demand in writing is made against the bank in terms of this guarantee on or before the expiry of (Date) all your rights in the said guarantee shall be forfeited and we shall be relieved and discharged from all the liability thereunder irrespective of whether the original guarantee is received by us or not.

(Signature with date of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

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

## Annexure-5

### GENERAL INFORMATION ABOUT THE TENDERER

1	Name of the Tenderer			
	Registered address of the firm			
	State		District	
	Telephone No.		Fax	
	Email		Website	
	Contact Person Details			
2	Name		Designation	
	Telephone No.		Mobile No.	
Communication Address				
	Address			

3	State		District			
	Telephone No.		Fax			
	Email		Website			
Type of the Firm ( Please ✓ relevant box)						
4	Private Ltd.		Public Ltd.		Proprietors hip	
	Partnership		Society		Others, specify	
	Registration No. & Date of Registration.					
Nature of Business ( Please ✓ relevant box)						
5	Original Equipment Manufacturer			Authorized Dealer /Representative		
	Direct Importer			Others, specify.		
Key Personnel Details (Chairman, CEO, Directors, Managing Partners etc.)						
6	in case of Directors, DIN Nos. are required					
	Name		Designation			

	Name		Designation		
7	<i>Whether any criminal case was registered against the company or any of its promoters in the past?</i>				Yes / No
8	<i>Other relevant Information provided * (here enclose the details such as presentation on the details of the tenderer in a CD preferably, please avoid submission of detailed leaflets/brochures etc, if possible.)</i>				
Date:		Office		Signature of the tenderer /	
		Seal		Authorized signatory	

**Annexure-6**

**OFFER FORM**

Having examined and accepting the conditions of the tender document no..... we here by submit this offer for the supply & installation of ..... conforming the detailed technical specification mentioned in section IV of the tender document. The details of the equipment offered are as follows.

Sl . N o.	Name of the Equipment	Model	Original Equipment  Manufacturer
1			

Date: \_\_\_\_\_ Office seal  
tenderer/Authorized

Signature of the  
  
Signatory

## Annexure-7

### SERVICE CENTRE DETAILS

Toll free number, if any			
Sl. No	Name and address of the service center (s)	Contact Details	
1		Telephone No:	
		Fax No:	
		Email ID.	
		Name of the Service Engr.	
		Mobile No.	
		Telephone No:	

2		Fax No:	
		Email ID.	
		Name of Service Engr. th e	
		Mobile No.	
3		Telephone No:	
		Fax No:	
		Email ID.	
		Name of Service Engr. th e	
		Mobile No.	

Date:

Office seal

Signature of the  
Tenderer/Authorized signatory

**Annexure-8**

**POWER OF ATTORNEY**

*(On a Stamp Paper of relevant value)*

I/ We..... (Name and address of the registered office) do hereby constitute, appoint and authorize Sri/Smt.....(name and address) who is presently employed with us and holding the position of ..... as our attorney, to act and sign on my/our behalf to participate in the tender no.....for..... (Equipment name).

I/ We hereby also undertake that I/we will be responsible for all action of Sri/Smt..... Undertaken by him/her during the tender process and thereafter on award of the contract. His / her signature is attested below.

Dated this the \_\_\_ day of 201\_\_  
For \_\_\_\_\_

(Name, Designation and Address)

Accepted

\_\_\_\_\_(Signature)

(Name, Title and Address of the Attorney) Date: \_\_\_\_\_

## Annexure-9

### ANNUAL TURN OVER STATEMENT

The Annual Turnover of  
M/s \_\_\_\_\_ for the past  
three years are given below and certified that the statement is true  
and correct.

Sl. No.	Year	Turnover in Lakhs (Rs)
1	2013 – 2014	
2	2015 – 2016	
3	2016– 2017	
Total		
Average Turnover per year		

Date:

Signature of Auditor/ Chartered Accountant

(Name in Capital)

Seal:

**Annexure-10**

**DECLARATION FORM**

---

I/We M/s. \_\_\_\_\_ represented  
by its Proprietor / Managing Partner / Managing Director having its  
Registered Office at \_\_\_\_\_  
do hereby declare that I/We have carefully read all the conditions  
of tender dated ..... for supply of MRI Scanner  
machine floated by the Kollam District Cooperative Hospital Society  
Ltd Q 952 and accepts all conditions of Tender.

Signature of the Tenderer

Name in capital letters with Designation

## Annexure-11

### WARRANTY CERTIFICATE

*(to be filled jointly by the Tenderer, & Representative of the Tender Inviting Authority individually for every equipment)*

Date:

Supply order No : ..... dated.....

The instrument ..... (*Item Name*)  
 Model No..... Bearing serial no .....  
 was installed successfully at NSMIMS  
 .....is offered with a  
 comprehensive warranty for a period of ..... Years starting from  
 ..... to ..... including all the  
 following accessories;

Sl.	Name of the accessory	Manufacturer's name	Item	
<b>No</b>				

<p><b><i>Name of the Supplier:</i></b></p> <p><b><i>Signature:</i></b></p> <p><b><i>Seal:</i></b></p>	<p><b><i>Name of the Secretary</i></b></p> <p><b><i>Signature:</i></b></p> <p><b><i>Seal:</i></b></p>
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