



**GOVERNMENT OF ANDHRA PRADESH**

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**Web Site : <https://tender.apecurement.gov.in>**

**TENDER DOCUMENT**

**FOR**

**Procurement of MRI Machines to KGH Visakhapatnam and GGH Kakinada in A.P. under Dr.  
YSRAHCT Scheme (Reverse Tender) (e- Procurement)**

**Tender Notice No. : 14.1B/APMSIDC/2022-23, Dt: 09.12.2022.**

**Name of the Work : Supply, Installation, Testing, commissioning and  
maintenance of MRI Machines to KGH  
Visakhapatnam and GGH Kakinada with 3 years  
warranty and 7 years CMC. (Reverse Tender)**

**Name of the Agency :  
.....  
and Address  
.....**

**Implementing Agency :  
ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT  
CORPORATION  
(Formerly APMHIDC)  
(AN ENTERPRISE OF GOVT. OF A.P.)  
2<sup>nd</sup> Floor, Plot No:09, survey number: 49, IT Park, Mangalagiri,  
Guntur District- 522503.  
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Ph No: 8978644900**

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## **Section – I - Introduction**

- The Andhra Pradesh Medical Services & Infrastructure Development Corporation – APMSIDC (formerly APMHIDC) (Tender Inviting Authority) is a fully owned Government of Andhra Pradesh for providing services to the various health care institutions under the Department of Family Welfare and Health.
- One of the key objectives of the APMSIDC is to act as the central procurement agency for all essential drugs and equipment's for all health care institutions (hereinafter referred to as user institutions) under the department. The corporation has also been entrusted with the setting up and running of all kinds of modern Medical and Paramedical or medical based ancillary facilities such as hospitals, pathological labs, diagnostic centers, x-ray/scanning facilities.
- Over the last decades, several Equipments have been procured and installed in the various health care institutions under the government under different schemes. One of the major problems encountered is the maintenance of the Equipments. Site preparation, timely replacement of consumables, calibration of sensitive Equipments, up gradation of technology, training to the doctors and paramedical staff- all poses problems. The corporation has been formed by the government to fill in these grey areas and to act as total service providers to the all the government health care institutions. Of course, this mammoth task could be achieved only with the active involvement and support of the manufacturers/dealers of the Equipments.

## **Section – II–Invitation for bid (IFB)**

### **GOVERNMENT OF ANDHRA PRADESH**

#### **ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT CORPORATION (APMSIDC)**

Tender Notice No. 14.1B/APMSIDC/2022-23, Dt: 09.12.2022

1. Bids are invited on the e-procurement platform for certain medical equipment as described in the Section V- Schedule of Requirements from the eligible entities. The details of bidding conditions and other terms can be downloaded from the electronic procurement platform of Government of Andhra Pradesh i.e. [www.tender.apecprocurement.gov.in](http://www.tender.apecprocurement.gov.in)
2. Bidders would be required to register on the e-Procurement marketplace “[www.tender.apecprocurement.gov.in](http://www.tender.apecprocurement.gov.in)” and submit their bids online. On registration with the e-Procurement marketplace they will be provided with a user id and password by the system through which they can submit their bids online.
3. The bidders need to scan and upload the required documents as per the Check list given in Annexure XIV. Such uploaded documents pertaining to technical bid need to be attached to the tender while submitting the bids online. The attested copies of all these uploaded documents of technical bid, signed undertaking of tenderer should be submitted offline to Managing Director, APMSIDC, Mangalagiri, Guntur on or before the next day of the last date of submission of bids. The Corporation will consider only the bids submitted through on-line over the copies of the paper-based bids.
4. Other terms -
  - a) The participating bidder/s will have to pay tender processing fee (non-refundable) for the amounts specified in the Schedule of Requirements (Section –V), in the form of Demand Draft drawn in favour of Managing Director, APMSIDC, Mangalagiri, Guntur.
  - b) Further the bidder/s shall furnish, as part of it bid, the Bid security for the amounts specified in the Schedule of Requirements (Section –V) to be paid in the form of an unconditional and irrevocable Bank Guarantee issued by any Scheduled Commercial bank in the standard format as shown in the Tender Schedule or a crossed Demand Draft drawn in favour of

Managing Director, APMSIDC, Mangalagiri, Guntur along with bids. The bidders should note that the local MSME units are exempted from payment of E.M.D, subject to the production of necessary documentation to that extent by them.

- c) Further all the participating bidders have to electronically pay a non-refundable transaction fee to M/s. APTS, the service provider through "Payment Gateway Service on E-Procurement platform", as per the Government Orders placed on the e-procurement website.
- d) APMSIDC will not accept the tenders from blacklisted companies or undependable Suppliers whose past performance with APMSIDC was found poor due to delayed and/or erratic supplies and those with frequent product failures, and also against whom there have been adverse reports of Sub-Standard Quality / Poor Service of Equipment supplies, as defined in the other parts of the Bidding document.

5. Period of Delivery: From the date of hand over of the site within 120 Days the system should go live to treat the patients. The delivery terms include the total time given for supply, installation, testing and deployment of trained staff.

#### Time Limits prescribed

Sl. No	Activity	Time Limit
5.1.1.	Installation & Delivery period	120 days from date of issuance of Supply Order/ from the date of site hand over/ AERB procurement permission date whichever is later
5.1.2.	Comprehensive warranty period	3 years, the warranty will start from the date of complete installed system go live to treat the patients.
5.1.3.	CMC period	7 years
5.1.4.	Frequency of visits to all User Institution concerned during Warranty/CMC	One visit every Six months (2 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.
5.1.5	Frequency of payment of CMC charges	Every Six months after completion of the period
5.1.6	Submission of Performance Security and entering into contract	15 days from the date of issuance of Supply Order



5.1.7	Payment Installments of Price of equipment's and ratio	Three Installments and in the ratio 60:20:10 (Mobilization advance of 10% against bank guarantee)
5.1.8.	Time for making payments by Tender Inviting Authority	<i>Within 60 days from the date of submission of proper documents</i>
5.1.9.	Maximum time to attend any Repair call	<i>Within 36 hours</i>
5.1.10	Uptime in a year	96%
5.1.11	Validity of quoted price	<i>For One (1) year . After that it can be extended for one more year based on mutual conserved.</i>

6. Bidders eligibility and qualifications: Defined at Clause 13 of Instructions to Bidders (Section II) and Qualification Criteria (Section-VI)

7. Details of Tender Schedule:

1	Downloading of documents	From 30-12-2022 to 20-01-2023 up to 02.59 P.M
2	Prebid Meeting	04-01-2023 @ 11.00 AM at O/o APMSIDC, 2 <sup>nd</sup> Floor, Plot No. 09, Survey No.49, IT Park, Mangalagiri
3	Due date for Receipt of tenders	20-01-2023 @ 03.00 PM
4	Time and date of opening of technical Bids	20-01-2023 @ 03.01 PM
5	Reverse Tendering	will be intimated later

Note: The dates stipulated above are firm and under no circumstances they will be relaxed unless otherwise extended by an official notification or happen to be Public Holidays. For the assistance in the online submission issues, the bidder may contact the help desk of M/s Vupadhi Techno Services Pvt. Ltd. (e-procurement) at their e-mail address: [eprocsupport@vupadhi.com](mailto:eprocsupport@vupadhi.com) or on the mobile nos.: 7337318402, 9959654764, 9347715628, 8919458857, 7416805449, 8919880420

## **8. Procedure for Bid Submission**

- a)** The Tenderers/Bidders who are desirous of participating in e-procurement shall submit their Technical bids, price bids etc., in the Standard formats prescribed in the Tender documents, displayed at e-procurement marketplace.
- b)** The bidders shall sign on all the statements, documents, certificates, uploaded by them, owning responsibility for their correctness / authenticity.
- c)** The hard copies of all the uploaded Technical / Price bid, to be attested by a Gazetted Officer or properly notarized.
- d)** The Corporation shall not hold any risk on account of postal delay. Similarly, if any of the certificates, documents, etc., furnished by the tenderer are found to be false / fabricated / bogus, the bidder will be disqualified, blacklisted, action will be initiated as deemed fit and the EMD will be forfeited.
- e)** The Corporation will not hold any risk and responsibility for the loss in transit during uploading of the scanned document, for the invisibility of the scanned document online, and any other problem(s) encountered by the Tenderers while submitting his bids online.

## **9. Important Instructions to the Bidders:**

- 9.1** Quality of Supplied Equipment throughout its life cycle period, timely supplies and prompt maintenance support during the warranty and CMC period without default are being given paramount importance by the Corporation. The Corporation will be levying penalties on such delays as per the tender norms.
- 9.2** In case of complaints on the quality and poor maintenance support of the products supplied, bills will be withheld till receipt of Satisfactory reports.
- 9.3** Further, the Corporation shall suspend or black list whenever adverse report related to adverse performance, misbehavior, direct or indirect involvement in threatening in making false complaints without proof etc. damaging reputation of department or any other type complaint consider fit by the tender inviting authority for the department.
- 9.4** The Government of Andhra Pradesh and the Managing Director APMSIDC reserves the right at its discretion to change model, modify add or remove portions of the model of these terms at any time..

9.5 No claims shall be allowed against the APMSIDC in respect of interest on Earnest Money Deposit or on Security Deposit or late payments.

9.6 Savings Clause: No suit, prosecution or any legal proceedings shall lie against APMSIDC or any person for anything, which is done in good faith or intended to be done in pursuance of bid.

## **Section - II : Instruction to bidders**

### **Introduction**

#### **1 Source of funds:**

The funds are made available by the State Government of Andhra Pradesh, to the Managing Director, APMSIDC towards the procurement processed under this tender notification.

#### **2 Eligible Bidder**

2.1. This invitation for Bids is open to all Manufacturer company or their affiliate company, who fulfill the eligibility criteria mentioned in the Clause 13 and who meet qualification criteria mentioned in the Section VI.

#### **3 Eligible Goods and services**

3.1. All goods and ancillary services to be supplied under the contract shall have their origin in eligible source country. The goods shall meet the requirements as specified in the Technical Specifications and meet the eligibility criteria as given at Clause 14 of ITB.

3.2. For purpose of this clause, "origin" means the place where the goods are mined, grown, or produced or from which the ancillary services are supplied. Goods are produced, through manufacturing processing or substantial and major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3. The origin of goods and services is distinct from the nationality of the Bidder.

#### **4 Cost of bidding.**

4.1. The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Managing Director, APMSIDC, Mangalagiri, Guntur here in after referred to as " the purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process

### **The Bidding Documents**

#### **5 Content of Bidding Documents**

5.1. In addition to the Invitation for Bids, the bidding documents include:

- a. Instruction to Bidders;
- b. General conditions of contract;
- c. Special conditions of contract;

- d. Schedule of requirements;
- e. Technical specifications;
- f. Bid form and price schedules;
- g. Bid security form;
- h. Performance security form.
- i. Firm Registration/manufacturer license
- j. Performance statement form.
- k. Declaration Form
- l. Check List of the documents uploaded on e-platform as part of the bid

5.2. The bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidders risk and may result in rejection of its bid.

## **6 Clarification of bidding documents**

- 6.1. A prospective Bidder requiring any clarification of the bidding documents may notify the purchaser in writing at the purchasers mailing address indicated in the Invitation for bids.
- 6.2 During Pre-bid meeting, the Bidders will be free to seek clarifications and make suggestions for consideration of the Authority. The Authority shall endeavor to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive Bidding Process.
- 6.3 The clarifications/amendments, if any, in the Pre-bid meeting shall be published separately on the website of APMSIDC and will be binding on prospective bidders. APMSIDC will not issue any separate communication.

## **7 Amendment of bidding documents**

- 7.1. At any time prior to the deadline for submission of bids, the purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the bidding documents by amendment.
- 7.2. The amendment will be notified online.

7.3. In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bid, the purchaser may, at its discretion, extend the deadline for the submission of bids.

## **Preparation of Bids**

### **8 Language of Bid.**

8.1. The Bid prepared by the Bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser, shall be written in the English language, provided that any printed literature furnished by the Bidder may be written in another language so long as accompanied by an English translation of its pertinent passages in which case, for purposes of interpretation of the bid, the English translation shall govern.

### **9 Documents comprising the bid**

9.1. The bid prepared by the bidder shall comprise the following components:

#### **1. Technical Bid:**

- a. A Bid form completed in accordance with clause 10
- b. Documentary evidence established in accordance with clause 13 that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- c. Documentary evidence established in accordance with clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services confirm to the Bidding Documents; and
- d. Bid security furnished in accordance with clause 15.

#### **2. The Price Bid completed in accordance with clauses 11 and 12.**

### **10 Bid Form**

10.1. The Bidder shall complete the bid form provided in the Bidding documents, indicating for the goods to be supplied, brief description of the goods, their country of origin and quantity and other declaration statements.

## **11 Bid prices.**

11.1. The Bidder shall indicate on the appropriate price schedule, made available in the e-procurement platform and a model format is also attached to these documents, the unit prices and total bid prices of the goods it proposes to supply under the contract, for each item separately. The unit prices shall be rounded off to nearest Indian rupee. The bidder may quote one or more items for which copy of necessary documents, wherever necessary have to be produced along with the bid.

11.2. Prices indicated on the price schedule shall be entered separately in the following manner:

- i. The price of the goods quoted ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, or delivered, as applicable, including all duties and sales and other taxes including transportation, installation, commissioning at site and all incidental charges associated with the contract.
- ii. Cost of 7 years Comprehensive Maintenance Contract as defined in the Clause 18 of the Special Conditions of the Contract

11.3. The Bidder's separation of the price components in accordance with para 11.2 above will be solely for the purpose of facilitating the comparison of bids by the purchaser and will not in any way limit the purchaser's right to contract on any of the terms offered.

**11.4. Fixed Price. Price quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation except for any changes made by the Statute in respect of taxes. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to clause 24.**

## **12 Bid currencies.**

12.1. Prices shall be quoted in Indian Rupees; Bids quoted other than Indian currency will be rejected.

## **13 Documents Establishing Bidder's Eligibility and Qualifications.**

13.1. Pursuant to clause 9, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted

13.2. The documentary evidence of the Bidder's eligibility to bid shall establish to the purchaser's satisfaction that the bidder, at the time of submission of the bid, is an eligible bidder as defined under clause 2.

13.3. The documentary evidence of the Bidders qualifications to perform the contract if its bid is accepted, shall establish to the purchaser satisfaction;

a. that, in the case of bidder offering to supply goods under the contract which the bidder is manufacture produce, Firm Registration/manufacturer license that the bidder is manufacturer & also Memorandum of Articles. or otherwise produce, the bidder has been duly authorized (as per authorization form in section XII a).

i. The legal status, place of registration and principle place of business of the company.

ii. Details of experience and past performance of the bidder on specified item offered in the bid and on those of similar nature within the past three years and details of current contracts in hand and other commitments (suggested proforma given in section XI);

iii. Copy of the GST Registration and Details of IT- PAN / TIN copies

iv. The details in compliance to the Qualification Criteria (Section VI).

13.4. The check list for the details of documents to be submitted is given at Annexure XIV

#### **14 Documents Establishing Goods Eligibility and conformity to bidding documents.**

14.1. Pursuant to clause 9 the bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding document of all goods and services which the bidder proposes to supply under the contract.

14.2. The documentary evidence of the goods and services eligibility shall consist and of statement in the price schedule on the country of origin of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment.

14.3. The documentary evidence of the goods and services conformity to the bidding documents may be in the form of literature, drawings and data, and shall furnish:

a. A detailed description of the goods essential technical and performance characteristics of the goods.



- b. A clause by clause commentary on the purchaser technical specifications demonstrating the goods and services substantial responsiveness to those specifications or statement of deviations and exceptions of the Technical specifications.

14.4. For purpose of the commentary to be furnished pursuant to clause 14.3 above, the bidder shall note that standards for workmanship, material and goods, and references to brand names or catalogue numbers designated by the purchaser in its technical specifications are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand name and / or catalogue numbers in its bid, provided that it demonstrates to the purchasers satisfaction that the substitutes are substantially equivalent or superior to those designated in the Technical specifications.

## **15 Bid security**

15.1. Pursuant to Clause 9, the Bidder shall furnish, as part of it bid, the Bid security for the amounts specified in the Invitation for Bids (Section -1)

15.2. The bid security is required to protect the purchaser against risk of bidders conduct which would warrant the security forfeiture, pursuant to clause 15.7

15.3. The bid security shall be in Indian Rupees and shall be in one of the following forms:

A Demand Draft/ /Bank Guarantee in favour of Managing Director, APMSIDC, Mangalagiri, Guntur payable at Mangalagiri, Guntur.

15.4. Any bid not secured in accordance with para 15.1 and 15.3 above will be rejected by the purchaser as non-responsive pursuant to clause 24.

15.5. Unsuccessful Bidder's bid security will be discharged/ returned as promptly as possible but not later than 30 days after the expiration of the period of bid validity prescribed by the purchaser pursuant to clause 16.15.6. The successful Bidder's bid security will be discharged upon the Bidders executing the contract, pursuant to clause 34 and furnishing the performance security pursuant to clause 35.

15.7. The bid security may be forfeited;

- a.If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid form ; or
- b. In case of successful Bidder, if the Bidder fails;

- i. to sign the contract in accordance with clause 34; or
  - ii. to furnish performance security in accordance with clause 35.
- c.If the Bidder does not accept the corrected amount the Bid will be rejected, and the Bid security may be forfeited.

## **16 Period of validity of Bids.**

16.1 Bids shall remain valid for 90 days after the date of bid opening prescribed by the purchaser pursuant to Clause 19.1. A bid valid for shorter period may be rejected by the purchaser as non-responsive.

16.2 In exceptional circumstances, the Purchaser may solicit the Bidders consent to an extension of the period of validity the request and the responses thereto shall be made in writing (or by mail). The bid security provided under clause 15 shall also be suitably extended. A bidder may refuse the request without forfeiting its bid security.

## **17 Format and signing of Bid.**

17.1. Deleted

17.2. 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. The latter authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.

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

### **Submission of Bids**

## **18 Sealing and Marking of bids.**

18.1. The bids shall be uploaded (submitted) electronically, as described in the Invitation for Bids (Section –I). The hard copies of the bids in sealed covers must be received by the Purchaser at the address specified above on or before the next date of submission of bids (Section –I).

18.2. The Bids shall be addressed to the purchaser at the following address:

**The Managing Director, APMSIDC, 2nd Floor, Plot No:09, survey number: 49, IT Park, Mangalagiri, Guntur District- 522503.**

18.3. The Bids shall bear the name of the invitation for bids (IFB) and Number and also the words "Do not open before **15.01 Hrs on 20.01.2023**. The envelopes shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it declared "late".

18.4. If the envelope is not sealed and marked as required by Para 18.2 and 18.3 above, the purchaser will assume no responsibility for the bids misplacement or premature opening.

## **19 Deadline, for submission of bids.**

19.1 The Bids (both electronic and hard copies) must be received by the purchaser, no later than the time and date specified in the Invitation for Bids (Section I). 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.

19.2 The purchaser may, at its discretion, extend this deadline for submission of bids by amending the bid documents in accordance with clause 7, in which case all rights and obligations of the purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

## **20 Late Bids.**

20.1. Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, pursuant to clause 19, will be rejected and/ or returned unopened to the Bidder.

## **21 Modification and Withdrawal of Bids.**

21.1. No bid may be modified subsequent to the deadline for submission of bids.

21.2. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid form. Withdrawal of bid during this interval may result in the Bidders forfeiture of its bid security, pursuant to Clause 15.7

## **Bid Opening and Evaluation**

## **22 Opening of Bids by Purchaser**

22.1. The Purchaser/or his authorized representative will download the technical bids on **20.01.2023 at 03.01 PM.**

22.2. The Financial Bids of the Technically responsive bidder would be downloaded subsequently from the e-platform, once the technical evaluation is completed.

## **23 Clarification of Bids.**

- 23.1. To assist in the examination, evaluation and comparison of bids the purchaser may at his discretion, ask the Bidder for clarification of his bid. The request for clarification and the response shall be in writing and no change in price or substance of the bid shall be sought, offered or permitted.

## **24 Technical Evaluation (Preliminary Examination and Pre-Qualification)**

- 24.1. The purchaser will examine the bids to determine whether they are complete, whether required securities have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 24.2. Prior to the financial evaluation, pursuant to clause 26, the purchaser will determine the responsiveness of each bid to the bidding documents. For purposes of these clauses, a responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. The purchaser's determination of bids responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 24.3. Further the purchaser will determine to his satisfaction whether the Bidder is qualified to satisfactorily perform the contract. The determination will take into account the Bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder pursuant to clause 13 as well as such other information as the purchaser deems necessary and appropriate.
- 24.4. An affirmative determination will be prerequisite for the opening of the financial bids. A negative determination will result in rejection of the Bidder's bid.
- 24.5. A bid determined as not substantially responsive will be rejected by the purchaser.
- 24.6. The Purchaser may waive any minor informality or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any bidder.

## **25 Deleted.**

## **26 Evaluation and comparison of Bids.**

### **26.1 Reverse tendering process on e-procurement portal**

a) APMSIDC will schedule reverse tendering process on the e-Procurement portal. Qualified technical bidders will also be communicated through e-mail the date and time for the conduct of reverse tendering process.

b) Online reverse tendering process

- i) The online Reverse tendering process will be run on the total amount.
- ii) Only the technically qualified bidders will be permitted to participate in the reverse tendering.
- iii) The 'opening price' i.e. start price for Reverse tendering will be the lowest (L1) price quoted by the Bidders amongst all technically qualified bidders.
- iv) Bidders can modify the total price, based on the minimum bid decrement or the multiples thereof, to displace a standing lowest bid and become "L1", and this will continue as an iterative process. The total price, will be used to determine the total cost of the bid.
- v) For the purpose of Reverse tendering, the minimum bid decrement will be INR 0.5% of the quoted value.
- vi) Reverse tendering duration: The duration of the reverse tendering is as mentioned in the Tender Schedule. All bidders are required to submit their online bids during this period.
- vii) In case, if any bidder decides to lower the price in the last fifteen (15) minutes of the reverse tendering duration, then the duration of the reverse tender will be extended for additional 15 minutes (Bid Received time + 15 minutes) to enable other bidders to participate further. Such extensions will continue as long as there is no bid received in the last 15 minutes.
- viii) After the completion of reverse tendering, the system will calculate the total price of the bid.

26.2. The total should consist of cost of transportation, insurance, all taxes, comprehensive annual maintenance charges for period of 7 years on completion of 3 years warranty and other costs incidental to the delivery of goods to their final destination

- An Undertaking Availability/ establishment of after sales service facility at least one (1) center in Andhra Pradesh to ensure uninterrupted after sales service during warranty and

maintenance period shall be confirmed. The details of service facility available / proposed to be set up shall be furnished with their bid.

**27 Deleted**

**28 Contacting the purchaser.**

28.1. Subject to clause 23, no Bidder shall contact the purchaser on any matter relating to the bid, from the time of the bid opening to the time, the contract is awarded.

28.2. Any effort by a Bidder to influence the Purchaser in the purchaser's bid evaluation, bid comparison or contract award decisions may result in rejection of the Bidders bid.

**Award of Contract**

**29 Post – Qualification - Not Applicable**

**30 Award Criteria**

30.1. Subject to clause 32, the purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid as per Clause 26, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

Lowest evaluated bid is on bases of cumulative amount of all Cost of equipment + 7 years of CMC + turnkey + Software.

**31 Purchaser's right to vary quantities at Time of Award**

31.1. The purchaser reserves the right, at the time of award of contract to increase or decrease to any extent of the quantity of goods and services specified in the schedule of requirements without any change in price or other terms and conditions.

**32 Purchaser's right to accept any Bid and to reject any or all Bids.**

32.1. The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to award of contract, without there by incurring any liabilities to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Purchaser's action.

**33 Notification of Award.**

33.1. Prior to the expiry of the period of the bid validity, the purchaser will notify the successful Bidder in writing by registered letter or Email or Fax duly confirming that the bid has been accepted.

33.2. The notification of award will constitute the formation of the contract.

33.3. Upon the successful Bidder's furnishing of performance security, pursuant to clause 34, the purchaser will promptly notify each unsuccessful Bidder and will discharge their bid security, pursuant to clause 15.

#### **34 Signing of contract**

34.1. Within 15 days of receipt of the notification of award the successful Bidder shall sign the contract.

#### **35 Performance security**

35.1. Within 15 days of the receipt of notification of award from the purchaser, the successful Bidder shall furnish the performance security in accordance with the conditions of contract, in the performance security form provided in the Bidding documents or another form acceptable to the purchaser and signs the agreement.

35.2. Failure of the successful Bidder to comply with the requirement of clause 34 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the purchaser may make the award to the next lowest evaluated bidder or call for new bids.

#### **36 Fraud and corruption**

36.1. It is the purchaser's policy that requires that the bidders, suppliers and contractors and their subcontractor observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the purchaser;

- a. defines, for the purposes of this provision, the terms set forth below as follows:
  - i. "corrupt practice" is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
  - ii. "fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
  - iii. "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

- iv. “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- v. “obstructive practice” is
  - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
  - (bb) acts intended to materially impede the exercise of the purchaser’s inspection and audit rights provided for under sub-clause 36.2 (d) below.

36.2. The purchaser may, without prejudice to other terms of the bidding:

- a. will reject a proposal for award if it determines that the bidder considered forward has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;
- b. will cancel the contract if the purchaser determines at any time that the bidder, supplier and contractors and their sub-contractors engaged in corrupt, fraudulent, collusive, or coercive practices.
- c. will sanction a firm or individual, including declaring ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for, or in executing, a contract; and
- d. will have the right to inspect the accounts and records of the bidders, supplier, and contractors and their subcontractors and to have them audited by auditors appointed by the Purchaser.



## **Section - III General conditions of contract**

### **1 Definitions**

1.1. In this contract, the following terms shall be interpreted as indicated;

- a. "The contract" means the agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by references therein.
- b. "The Contract Price" means the price payable to the supplier under the contract for the full and proper performance of its contractual obligations.
- c. "The Goods" means all the equipment and / or other materials which the supplier is required to supply to the purchaser under the contract.
- d. "Services" means services ancillary to the supply of the goods, such as transportation, insurance and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the supplier covered under the contract.
- e. "An undependable Supplier/s" under contract means any Supplier who do not accept the purchase order or who delays the supply of required quantities beyond the permitted delays with liquidated damages
- f. "The Purchaser or Corporation" means the APMSIDC, the purchasing agency
- g. "The Supplier" means the individual or firm supplying the goods under this contract.
- h. "The Government" means the Government of Andhra Pradesh or its authorized representatives
- i. "The Project Site", where applicable means the place or places named in Annexure – X.
- j. "The End-User" means the authorized user of the equipment/the Medical Superintendent/Head of the Department of the concerned specialty.
- k. "Day" means calendar day
- l. "Delivery period" means the period applicable up to completion of supply, Installation and testing of the equipment and the training of the staff on the equipment, by the supplier at the Project site and accepted by the Purchaser or its representative

## **2 Application**

2.1. These General conditions shall apply to the extent that they are not superseded by provisions in other parts of the contract.

## **3 Country of Origin:**

It should be disclosed. All goods and related services to be supplied under the contract / agreement shall have their origin in India or any other country with which India has not banned trade relations.

## **4 Standards**

4.1. The Goods supplied under this contract shall conform to the standards mentioned in the Technical specifications and in case no applicable standard is mentioned, the authoritative standard appropriate to the goods country of origin should be followed and such standard shall be the latest issued by the concerned institution.

## **5 Use of contract documents and Information**

5.1. The supplier shall not without the purchaser's prior written consent, disclose the contract or any provision thereof or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the purchaser in connection therewith to any person other than a person employed by the supplier in performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2. The supplier shall not, without the purchasers prior written consent make use of any document or information enumerated in para 5.1 except for purposes of performing the contract.

5.3. Any document other than the contract itself enumerated in para 5.1 shall remain the property of the purchaser and shall be returned (in all copies) to the purchaser on completion of the suppliers performance under the contract if so, required by the purchaser.

## **6 Patent Rights**

- 6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark for industrial design rights arising from use of the goods or any part thereof in India.

## **7 Performance Security**

- 7.1. Within 15 days after the supplier's receipt of notification of award of the contract, the supplier shall furnish performance security to the purchaser for the amount specified in the special conditions of contract.
- 7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract
- 7.3. The performance security shall be denominated in Indian Rupees and shall be in one of the following forms:
- a. A bank guarantee [in favour of Managing Director, APMSIDC, Mangalagiri, Guntur issued by any scheduled commercial bank located in India acceptable to the purchaser and in the form provided in the Bidding documents or in any other form acceptable to the purchaser: or.
  - b. A Banker's cheque or Demand Draft in favour of Managing Director, APMSIDC, Mangalagiri, Guntur.
- 7.4. Fifty percent (50%) of the performance security will be discharged by the Purchaser and returned to the supplier not later than 60 days following the date of completion of the supplier's performance obligations, including any warranty obligations. The balance 50% of the performance security will be retained towards performance security for the maintenance services to be provided for 7 years after the 3 years warranty period and this 50% will be discharged after completion of performance obligations under maintenance services after 7 years.
- 7.5. The supplier shall accordingly; either furnishes a fresh bank guarantee for the 50% value or an extension of bank guarantee for 50% of the value covering the 7 years maintenance

period after 3 years warranty period. Only after receipt of the above, the 50% of the performance security will be discharged after the warranty period.

## **8 Inspections and Tests.**

- 8.1. The purchaser or his representatives shall have the right to inspect and / or to test the Goods to confirm their conformity to the contract. The special conditions of contract and / or the Technical specifications shall specify what inspections and tests the purchaser requires and where they are to be conducted. The purchaser shall notify the supplier in writing of the identity of any representatives retained for these purposes.
- 8.2. The inspections and tests may be conducted in the premises of the supplier or its subcontractor(s) at point of delivery and/or at the goods final destination. Where conducted on the premises of the supplier or its subcontractor(s) all reasonable facilities and assistance including access to drawings and production data shall be furnished to the inspectors at no charge to the purchaser.
- 8.3. Should any inspected or tested goods fail to conform to the specifications the purchaser may reject them, and the supplier shall either replace the rejected goods or make alternatives necessary to meet specifications, requirements free of cost to the purchaser.
- 8.4. The purchasers right to inspect test and where necessary reject the goods after the goods arrival at site and shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by the purchaser or its representative prior to the goods shipment from the country of origin.
- 8.5. Nothing in clause 8 shall in any way release the supplier from any warranty or other obligations under this contract.

## **9 Packing**

- 9.1. The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration where appropriated the

remoteness of the Goods final destination and the absence of heavy handling facilities at all points in transit.

- 9.2. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements, as shall be provided for in the contract and subject to clause 18 and any subsequent instructions ordered by the purchaser.

## **10 Delivery and Documents**

- 10.1. Delivery of the Goods shall be made by the supplier in accordance with the terms specified by the purchaser in the Notification of Award.

## **11 Insurance**

- 11.1. The goods supplied under the contract shall be fully insured in Indian Rupees against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the special conditions of contract.

## **12 Transportation**

- 12.1. The supplier is required to deliver the goods to the destinations specified in the contract and the cost thereof shall be included in the contract price.
- 12.2. The transportation of the Goods after the delivery at the final destination shall be the responsibility of the Purchaser.

## **13 Incidental services.**

- 13.1. The supplier is required to provide the following services, including additional services, if any, specified in SCC:
- a. Performance of the on-site assembly and start-up of the supplied Goods;
  - b. Furnishing of tools required for assembly and maintenance of the supplied Goods;
  - c. Furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods;
  - d. Performance of maintenance and repair of the supplied Goods, for a period of 7 years, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
  - e. Training of the users and maintenance personnel, in operation, maintenance and repair of the supplied Goods.

13.2. Prices charged by the Supplier for incidental services, if not included in the contract price of the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

#### **14 Spare Parts:**

Bidder should ensure the supply of required spare parts and consumables to ensure 24\*7 uninterrupted operations of the equipments supplied during period of contract.

#### **15 Warranty**

15.1. The Supplier warrants that all the goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. The supplier further warrants that the goods supplied under this contract shall have no defect arising from design materials or workmanship (except insofar as the design or material is required by the purchasers specifications) or from any act or omission the supplied goods in conditions obtaining in the country of final destination.

15.2. This warranty shall remain valid for 36 months after the goods or any portion thereof as the case may be have been delivered at the final destination indicated in the contract, unless specified otherwise in the special conditions of the contract. The warranty period starts from date of commissioning after installation by the firm.

15.3. The supplier shall submit monthly report on health of each and every equipment supplied by him under this contract duly mentioning repairs, preventive maintenance, any other action taken by him including activity proposed to be undertake by him in the next month. This reporting shall be applicable during CMC and warranty period.

15.4. Notwithstanding 15.3 above, the supplier shall at his own cost, within 24 hours, repair or replace the defective goods or parts thereof without cost to the purchaser other than, where applicable, the cost of inland delivery of the repaired or replaced goods or parts from the port of entry to the final destination. It shall be responsibility of the supplier to bring the equipment to normal/ standard status of functioning to make it fit for conducting tests etc. of patients.

- 15.5. If the supplier, having been notified, fails to remedy the defect (s) within a reasonable period, the purchaser may proceed to take such remedial action as may be necessary, at the suppliers risk and expenses and without prejudices to any other right which the purchaser may have against the supplier under the contract.
- 15.6. Site Visits: The successful tenderer shall visit each User Institution as part of preventive maintenance as per the frequency mentioned under cl.5.1.(Pg.No.6) during the warranty period. The tenderer shall attend any number of break down/repair calls as and when informed by the Tender Inviting Authority/User Institution.
- 15.7. During every visit, a copy of the service report/break down call report, duly signed by the custodian of the equipment/head of the health care institution and stamped shall be forwarded by email/fax/post to the APMSIDC office within 10 days from the due date.
- 15.8 A warranty certificate (as per format in Annexure III) 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. A copy of the original warranty papers has to be given to the institution head concerned.
- 15.9. The tenderer shall submit the activities to be carried out during the preventive maintenance visit as per the format in Annexure IV.

## **16 Payment**

- 16.1. The method and conditions of payment to be made to supplier under the contract shall be specified in the special conditions
- 16.2. The Suppliers request (s) for payment shall be made to the purchaser in writing accompanied by an invoice describing as appropriate the goods delivered and the services performed and by shipping document, submitted pursuant to clause 10, and upon fulfillment of other obligations stipulated in the contract.
- 16.3. Payments shall be made promptly by the purchaser based on the submission of the invoices / claims by the supplier duly furnishing the certificate specified in the bid document from the competent authority.
- 16.4 Payment shall be made in Indian Rupees.

## **17 Prices**

17.1. Prices charged by the supplier for goods delivered and services performed under the contract shall not with the exception of any price adjustments authorized by the special conditions of contract, vary from the prices quoted by the supplier in its bid.

## **18 Change Orders**

18.1. The Purchaser may at any time by written orders given to the supplier pursuant to clause 31 , make changes within the general scope of the contract in any one or more of the following;

- a. The place of delivery; or
- b. Personnel deployed;

18.2. If any such changes causes an increase or decrease in the cost of or the time required for the suppliers performance of any part of the work under the contract, whether changed or not changed by the order, an equitable adjustment shall be made in the contract price or delivery schedule or both and the contract shall accordingly be amended. Any claims by the supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the suppliers receipt of the purchasers change order.

## **19 Contract Amendments**

19.1. Subject to clause 18, no variation in a modification of the terms of the contract shall be made except by written amendment signed by the parties.

## **20 Assignment**

19.2 The supplier shall not assign in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

## **21 Sub-contracts**

21.1 No sub-contracting is allowed.

## **22 Delays in the suppliers performance**

22.1 Delivery of the goods and performance of the services shall be made by the supplier in accordance with the time schedule specified by the purchaser in its schedule of requirements.



22.2 Any delay by the supplier in the performance of its delivery obligations shall render the supplier liable for any or all of the following i.e. forfeiture of its performance security, imposition of liquidation damages and or termination of the contract for default.

22.3 If at any time during the performance of the contract, the supplier should encounter performance of the services the supplier shall promptly notify the purchaser in writing of the fact of the delay its likely duration and its causes. As soon as practicable after receipt of the suppliers notice, the purchaser shall evaluate the situation and may at its discretion extend the suppliers time for performance, in which case the extension shall be ratified by the parties by amendment of the contract.

### **23 Liquidated Damages**

23.1 Subject to clause 25, if the supplier fails to deliver any or all of the goods within the time period specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price as liquidated damages, an amount as specified in the SCC for the period of delay, until actual delivery or performance, up to a maximum deduction of 10 percent of the total contract value. Once the maximum is reached, the purchaser may consider termination of the contract.

### **24 Termination for Default**

24.1 The purchaser may, without prejudice to any other remedy for breach of contract by written notice of default sent to the supplier, terminate the contract in whole or part:

- a. if the supplier fails to deliver any or all of the goods within the time periods specified in the contract or any extension thereof granted by the purchaser pursuant to clause 22; or
- b. if the supplier fails to perform any other obligations under the contract.

24.2. In the event the purchaser terminates the contract in whole or in part, 24.1 the purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar Goods. However, the supplier shall continue the performance of the contract to the extent not terminated.

### **25 Force Majeure**

25.1 Notwithstanding the provisions of clauses 22,23,24, the supplier shall not be liable for forfeiture of its performance security liquidated damages or termination or default, if and to

the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

25.2 For purposes of this clause "Force Majeure" means an event beyond the control of the supplier and not involving the suppliers fault or negligence and not foreseeable. Such events may include but are not limited to, acts of the purchaser either in its sovereign or contractual capacity, wars or revolutions, floods, epidemics, quarantine restrictions and freight embargoes.

25.3 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing the supplier shall continue to perform its obligations under the contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

## **26 Termination for Insolvency.**

26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier, if the supplier becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

## **27 Termination for convenience.**

27.1 The purchaser may by written notice sent to the supplier terminate the contract, in whole or in part at any time for its convenience. The notice of termination shall specify that termination is for the purchaser's convenience the extent to which performance of work under the contract is terminated and the date upon which such termination becomes effective.

27.2 The goods that are complete and ready for shipment within **30** days after the suppliers receipt for notice of termination shall be purchased by the purchaser and the contract terms and prices. For the remaining goods the purchaser may elect.

- a. to have completed and delivered at the contract terms and prices; and / or
- b. to cancel the remainder and pay to the supplier and agreed amount for partially completed goods and for materials and parts previously procured by the supplier.

## **28 Resolution of Disputes**

- 28.1. The purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.
- 28.2. If after thirty (30) days from the commencement of such informal negotiations the purchaser and the supplier have been unable to resolve amicably contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the special conditions of contract. These mechanisms may include but are not limited to conciliation, mediation by third party justification in an agreed national or international forum and / or international arbitration. The mechanism shall be specified in the special conditions of contract.

## **29 Governing Language**

- 29.1 The contract shall be written in English language, as specified by the purchaser in the instructions to bidders. Subject to clause 30, English language version of the contract shall govern

## **30 Applicable law**

- 30.1 The contract shall be interpreted in accordance with the laws of the union of India and the legal jurisdiction is Mangalagiri, Guntur

## **31 Notices**

- 31.1 Any notices given by one party to the other pursuant to the contract shall be sent in writing and confirmed in writing to the address specified for that purpose in the special conditions of the contract. A notice shall be effective when delivered or on the notices effective date, whichever is later.

## **32 Taxes and duties**

- 32.1. The rates quoted by the bidder shall be deemed to be inclusive of the sales and other taxes that the bidder will have to pay for the performance of this contract, at the prevailing rates notified by the Government. The purchaser will perform such duties in regard to the deduction of such taxes at source as per applicable law.

## **Section – IV – Special conditions of contract**

### **1. Introduction–**

The following special conditions of contract shall supplement the general Conditions of contract. Whenever there is conflict, the provisions herein shall prevail over those of the general conditions of contract the corresponding clause number of the general conditions in parentheses.

### **2. Definitions (Clause I)**

- a) The Purchaser is: **The Managing Director, APMSIDC, 49, IT Park, Mangalagiri, Guntur District- 522503.**
- b) The Supplier is : -----

### **3. Country of origin (Clause 3):**

All goods and related services to be supplied under the contract / agreement shall have their origin in India or any other country with which India has not banned trade relations.

### **4. Performance security (Clause 7)**

- 4.1. Performance security is 5% of the contract value and shall be valid up to 60 days after the date of completion of performance obligations including warrant obligations and maintenance obligations, as applicable.
- 4.2. Add clause 7.5 to the GCC as the following: In the event of any contract amendment, the supplier shall within 20 days of receipt of such amendment furnish the amendment to the performance security rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter

### **5. Inspection and Tests (clause 8)**

The following inspection procedures and tests are required by the Purchaser:

- 5.1. The Supplier shall get each equipment inspected by a competent authority in manufacturer's works and also provide a guarantee/warranty certificate that the instrument conforms to all specifications contained in the contract.
- 5.2. The Purchaser or its representatives (up to 4 personnel) may inspect and or test any or all the equipment to confirm their conformity to the Contract specifications, prior to dispatch from the manufacturer's premises. Such inspection and clearance will not prejudice the right of the

consignee to inspect and test the equipment on receipt at destination. The cost of such On sight inspection (all travel, lodging, boarding and other incidental expenses) shall borne by the bidder (Successful bidder).

5.3. However, on arrival of the equipment's at destinations, the purchaser or its representative shall have the right to inspect and/or test any or all the equipment's to confirm their conformity to the contract.

5.4. If the equipment or its performance is not as per specified conditions, deficiency or replace the equipment (s) to the satisfaction of the purchasers representative.

#### **6. Packing (Clause 9)**

The Supplier will be required to mark separate packages for each consignee on three sides with proper paint/indelible ink, the following: i. Name of the contract, ii. Contract No., iii. Country of origin of Goods, iv. Supplier's Name and v. Packing of list reference number

#### **7. Delivery and Documents (Clause 10)**

- i. Three copies of the Supplier invoice showing Goods description, quantity, unit price, total amount;
- ii. Railway receipt/Lorry receipt acknowledgement of receipt of goods from the Consignee
- iii. Manufacture's/Supplier's Warranty and Factory Test certificate;
- iv. Acceptance Certificate issued by the End-User
- v. Inspection Certificate issued by the nominated inspection agency, as applicable

#### **8. Insurance (Clause 11)**

- i. For delivery of goods at site, the insurance shall be obtained by the Supplier at his cost for an amount equal to 110% of the value of the goods from "warehouse to warehouse" on "All Risks" basis including war Risks and Strike clauses period in the name of consignee authorized by the purchaser i.e. M.D. APMSIDC. The supplier shall also provide insurance coverage against fire and theft in the name of consignee up to end of the warranty period.
- ii. To submit a copy of insurance document duly attested by the consignee to APMSIDC along with bills for making payment. Otherwise the bills may not be processed.

#### **9. Incidental Services (Clause 13)**

No additional services are required to be provided over the services already covered under clause 13 of GCC.

## **10. Spare parts: (Clause 14)**

Add as clause 14.2 to the GCC the following: Supplier shall carry sufficient inventories to assure ex stock supply of consumables spares such as gaskets, plugs, washers, belts etc., other spare parts and components shall be promptly as possible but, in any case, within (3) days of placement of order.

## **11. Warranty (Clause 15)**

11.1. In partial modification of the provisions, the warranty period shall be 36 months after the Goods, or any portion thereof, as the case may be, have been delivered at site, installed, commissioned, successfully tested and accepted by the Purchaser or its authorized representative

11.2. Substitute Clause 15.4 of the GCC with the following: Upon receipt of such notice, the Supplier shall within **3 calendar days for local items and 7 calendar days for imported item**, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement.

11.3. If the supplier has not done repair/replacement within the time specified above the purchaser will assess the cost of having the repairs/replacements done and the supplier will pay this amount.

11.4. Overall an uptime guarantee of 96% shall be maintained out of total usage period of the equipment by the end users during the warranty and the maintenance period

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

## **12. .Payment (Clause 16)**

12.1. Payment for goods and services shall be made in Indian Rupees as follows:

- a. Mobilization advance of 10% against the submission of Bank Guarantee shall be given to the bidder.
- b. 60% of the contract value of the supply part after necessary deduction will be paid to the supplier on submission of copy of invoice with original Delivery Challan as proof of supply to destinations duly certified by the Head of the Institution and RTGS details
- c. 20% of payment will be paid on submission of original invoice with stock entries, delivery challan and Installation Certificates (Annexure 1), warranty certificate (Annexure III), copy of insurance document duly attested by the consignee to APMSIDC,

calibration, quality assurance certificate test certificate if required as per technical specification after completion of all the performance obligations.

d. The balance 10% will be paid after three months from the date of installation on submission of performance satisfactory report (Annexure-II), obtained from the Head of the institute or concerned authorities.

e. In case any difficulty is experienced by the successful tenderer in obtaining three-month performance certificate from any of the User Institution after the installation of the equipment, the same shall be brought to the notice of the Tender Inviting Authority immediately in writing. In such event(s), if the Tender Inviting Authority is convinced, the reasons are beyond the control of the successful tenderer, the Tender Inviting Authority, in case of supply orders placed by it, shall release payments at its discretion. In such case the letter sent to the Tender Inviting Authority shall be submitted along with the invoices while claiming payment

12.2. If there is a delay in installation of the equipment due to reasons not attributable to the supplier such as non-readiness of site, 60% of the supply part of the contract value will be released against supply and a confirmation letter from the consignee / end user, on submission of original delivery challan & Invoice copy.

12.3. Cost of Comprehensive Maintenance Contract for each year will be paid, at the end of each half year by the Purchaser's representatives/hospital authorities, upon submission of the service reports to the extent of the service delivered as per the contract terms.

### **13. Prices (Clause 17)**

Prices payable to the Supplier as stated in the Contract shall not be subject to adjustment during performance of the Contract.

### **14. Sub-contracts (Clause 21)**

Deleted.

### **15. Liquidated Damages (Clause 23)**

15.1. For delays Substitute Clause 23.1 of the GCC by the following: Subject to clause 25 of GCC, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5 percent of the delivered price of

the delayed Goods or unperformed Services for each week of delay or part thereof until actual delivery or performance, up to a maximum deduction of 10% of the total Contract value. Once the maximum deduction is reached, the Purchaser may consider termination of the Contract.

15.2. For Short fall in Equipment Maintenance services : Any major repair intimated by the Purchaser or the end-user shall be rectified by the Supplier from the date of intimation within a period of **3 calendar days for local items and 7 calendar days for imported item and repair the equipment to the satisfaction of the Purchaser or the End User. Failing which the** Purchaser has a right to levy a penalty on the Supplier a sum of Rs.10,000/- per day of delay, until the equipment is repaired and brought to the normal working condition to the satisfaction of the Purchaser.

## **16. Resolution of Disputes (Clause 28)**

Add as Clauses 28.3 and 28.4 of the GCC the following:

28.3 The dispute resolution mechanism to be applied pursuant to clause 28 of the General Conditions shall be as follows:

- a. In the case of dispute or difference arising between the Purchaser and a Domestic Supplier relating to any matter arising out of or connected with this agreement, such dispute or difference shall be referred to the award of two Arbitrators, one Arbitrator to be nominated by the Purchaser and the other to be nominated by the Supplier or in the case of the said Arbitrators not agreeing, then at the award of an Umpire to be appointed by the Arbitrators in writing before proceeding with the reference, and in case the Arbitrators cannot agree to the Umpire, he may be nominated by the Arbitration committee of the Indian Council of Arbitration, India. The award of the Arbitrators, and in the event of their not agreeing, of the Umpire appointed by them or by the Arbitration Council of India, India, shall be final and binding on the parties.
- b. The Indian Arbitration Act 1996, the rules there under and any statutory modification or re-enactments thereof, shall apply to the arbitration proceedings.

28.4. The venue of arbitration shall be the place from where the Contract is issued.



## **17. Notices (Clause 31)**

For the purpose of all notices, the following shall be the address of the purchaser and supplier.

Purchaser: 2nd Floor, Plot No: 09, survey number: 49, IT Park, Mangalagiri, Guntur District-522503.

Supplier: (To be filled in at the time of Contract Signature)

## **18. Comprehensive Maintenance Contract (CMC)**

- a. The Comprehensive Maintenance Contract includes **2 visits** in a year preventive maintenance visits and all the distress calls during the year and also include the probable cost of spares required towards the repairs carried out to bring a not working equipment to its normal working condition, during the year.

## **19. Actions Against the Misconduct of the Supplier**

1. A Supplier found being supplied similar items with similar tender conditions to any other agency in the country during the validity of the rate contract period with the APMSIDC, at a rate lower than the rate at which they supplied under this tender, the difference amount is liable to be recovered apart from blacklisting the firm for a minimum period of 3 years. The Supplier should furnish undertaking (Annexure-XIII) that they will remit the differential cost, if they quote lower rate than the rate quoted to the APMSIDC to any other agency or department or state, during the period of tract.
2. Any substandard supplies without meeting the quality specifications made under the contract shall also entail blacklisting of the firm for a minimum period of three years for that particular product.
3. If the bidder fails to demonstrate on asked to do so, of the products quoted with their bid, without any valid or convincing reason to the satisfaction of the Purchaser, the bids for other items offered against the bid notice will not be considered and he may be debarred for a certain period as decided by the Purchaser.

## **20. Progress of Supply**

Supplier shall intimate progress of supply, in writing, to the Purchaser as under :

- Qty offered for inspection and date;
- Qty. accepted/rejected by inspecting agency and date;

- Qty. dispatched/delivered to consignees and date;
- Qty. where incidental services have been satisfactorily completed with date;
- Quantity where rectification/repair/replacement effected/completed, on receipt of any communication from consignee/Purchaser with date;
- Date of completion of entire Contract including incidental services, if any; and
- Date of receipt of entire payments under the Contract.

**Section– V – Schedule of requirements and technical specifications**

S. No	Name of the Item	Quantity	EMD in Rs.	Average Annual Turnover of the bidder in last three years i.e.2019-20, 2020-21 & 2021-22 in Rs.
1	MRI scan machine 1.5 Tesla	2	60,00,000	50 Cr.
2	CMC for 7 years for supplied MRI	2		
3	Construction cost (turnkey) for 1200 sq. ft.	2		
4	Software and hardware required for tele radiology should be compatible with the existing software	1		
5	CMC for 7 years for supplied MRI, hardware and software/pacs	1		
6	Buy back price of Old MRI Machine	2		

\* Note – The number of spokes mentioned here can be increased or decreased. The bidder should provide the software solution for any number spokes.

1. Processing fee: The participating bidders will have to pay tender processing fee (non-refundable) of Rs. 29,500/- in the form of Demand Draft drawn in favour of Managing Director, APMSIDC, Mangalagiri.

## **Technical Specifications**

### **General Information**

- 1 Bidders are requested to offer the equipment as per the specifications attached.
- 2 For each item of equipment, the bidder should include all the cost associated with fixing, cables, connectors, accessories and ancillary items necessary for the satisfactory operation of that item of equipment. Bidders should make the provisions of starter packs for consumables for demonstration and three months of operation period for the supplied equipment.
- 3 Spare parts list, listing spare likely to be required for (7) years operations shall be attached with the Bid
- 4 Pamphlet & literature -
  - i. Bidders are requested to provide, referenced by given equipment code and item name, with their tender offer, the following information for all the items of equipment offered.
    - Name of the Manufacturer
    - Brand Name & Model Number
    - Country of Origin
  - ii. Catalogue, Pamphlet, descriptive literature, spare parts list and technical specifications for each unit of item must be forwarded with the offer.
- 5 Operating Environment:
  - Electrical Supply: The Equipment supplied shall be suitable in all respect for use on the local electricity supply of 200- 270 Volts, 50 Cycles. A suitable stabilizer/CVT to be offered as an optional accessory in case of specific Voltage requirement for the supplied Equipment. Resettable over current breaker shall be fitted for protection wherever applicable.
  - Humidity: The unit shall be capable of operating continuously in ambient temperature of 30 °C and relative humidity of around 80%.
- 6 Deleted
- 7 After Sales Service:

Bidders are requested to confirm in writing in their bid offer the after sales service they would provide, after the expiry of three-year warranty period, for four more years including an estimated cost an annual servicing contract. The maintenance capability of the bidders currently existing in Mangalagiri, Guntur and A.P. should also be clearly stated.

- 8 All items should be of high quality, durable, and suitable for use in a Hospital. The technical specification and standards of each item delivered shall be that currently in use at the time of delivery.
- a) Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450.
  - b) Radiation safety: Safety aspects of Radiation dosage leakage should be spelt out and all the X-ray related products should comply with AERB Guidelines for radiation leakage.
- 9 Deleted
- 10 a) The Manufacturer must have necessary quality certifications ISO 13485 (Quality Management System for Medical Devices).
- b) Full Quality Assurance System Approval Certificate Management System Certification for Medical Devices with Notified body CE and USFDA.
- 11 If the bidder fails to demonstrate any of the products quoted, the bid for that product would be considered as withdrawn and suitable action will be taken as per the Clause 15 of ITB. i.e., forfeiture of the Bid security and also the bidder may be debarred for a certain period as decided by the Managing Director.

## Technical Specifications

### MRI Machines Specifications

Bidders are requested to offer the equipment as per the specifications attached.

For each item of equipment, the bidder should include all the cost associated with fixing, cables, connectors, accessories and ancillary items necessary for the satisfactory operation of that item of equipment. Bidders should make the provisions of starter packs for consumables for demonstration and three months of operation period for the supplied equipment.

Spare parts list, listing spare likely to be required for (7) years operations shall be attached with the Bid

Pamphlet & literature -

iii. Bidders are requested to provide, referenced by given equipment code and item name, with their tender offer, the following information for all the items of equipment offered.

- Name of the Manufacturer
- Brand Name & Model Number
- Country of Origin

iv. Catalogue, Pamphlet, descriptive literature, spare parts list and technical specifications for each unit of item must be forwarded with the offer.

Operating Environment:

- Electrical Supply: The Equipment supplied shall be suitable in all respect for use on the local electricity supply of 200- 270 Volts, 50 Cycles. A suitable stabilizer/CVT to be offered as an optional accessory in case of specific Voltage requirement for the supplied Equipment. Resettable over current breaker shall be fitted for protection wherever applicable.
- Humidity: The unit shall be capable of operating continuously in ambient temperature of 30

°C and relative humidity of around 80%.

Deleted

After Sales Service:

Bidders are requested to confirm in writing in their bid offer the after sales service they would provide, after the expiry of three-year warranty period, for four more years including an estimated cost an annual servicing contract. The maintenance capability of the bidders currently existing in Mangalagiri, Guntur and A.P. should also be clearly stated.

All items should be of high quality, durable, and suitable for use in a Hospital. The technical specification and standards of each item delivered shall be that currently in use at the time of delivery.

- a) Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450.
- b) Radiation safety: Safety aspects of Radiation dosage leakage should be spelt out and all the X-ray related products should comply with AERB Guidelines for radiation leakage.

Deleted

- a) The Manufacturer must have necessary quality certifications ISO 13485 (Quality Management System for Medical Devices).
- b) Full Quality Assurance System Approval Certificate Management System Certification for Medical Devices with Notified body CE and USFDA.

If the bidder fails to demonstrate any of the products quoted, the bid for that product would be considered as withdrawn and suitable action will be taken as per the Clause 15 of ITB. i.e., forfeiture of the Bid security and also the bidder may be debarred for a certain period as decided by the Managing Director.

The MRI system should be regularly maintained in latest version of Computing software including software platform upgrades released for the respective system that can prepare it for future enhancements. If a Hardware should be upgraded at no additional cost during the complete life of the system.

• Magnet –

- a. The system needs to offer platform with minimum number of 16 channels possible on the system. Higher channel is preferred. The bidder should offer GEM suite, 4G TIM,d-stream standard or other latest RSNA 2017 technology as standard.



b. Whole Body 1.5 Tesla Magnetic Resonance Imaging System optimized for higher performance in Whole Body and Vascular examinations with superconducting magnet, high performance gradients and digital Radio Frequency System.
c. 1.5T active shielded super conductive magnet should be short. d. It should have at least 60 cms patient bore with flared opening. e. Magnet length should be less than 200 cm. Lesser the better. f. It should have short bore length and non-claustrophobic. g. Homogeneity of magnet should be better than 1.1 ppm over 40 cm DSV or better h. The magnet should be well ventilated and illuminated with built in 2-way intercom for communication with patient. i. It should have a built in cryo-cooler such that helium consumption does not exceed 0.01 lit/hour. j. The largest FOV should not be less than 45 cm in all the three axis
• Shim system – a. High performance, highly stable shim system with global and localized automated shimming for high homogeneity magnetic field for imaging and spectroscopy and spectroscopy. b. Auto shim should be available to shim the magnet with patient in position.
. Gradient system – a. Actively shielded Gradient system b. The gradient should be actively shielded with each axis having independently a slew rate of at least 120T/m/s or more and peak amplitude of at least 33mT/m or more at max field of view offered by the scanner. Digital gradient controller is a must. c. The system should have efficient and adequate Eddy current compensation d. Effective cooling system for gradient coil and power supply
• RF system – a. A fully digital RF system 15 kw or more b. It should also have at least minimum 16 independent RF receiver channels c. It should support Parallel acquisition techniques with a factor of up to 4 or more in 2D. d. Should allow remote selection of coils and / or coil elements.
• Patient table - a. The table should be fully motorized computer-controlled table movements in vertical and horizontal directions. b. Moving table angiography should be possible. Horizontal table movement maximum speed should be at least 10 cm/second. c. There should be handheld alarm for patients. d. The table movement should have at least 140 cm imaging coverage.
• Computer system / image processor / operator console a. The main Host computer should have 19 inches or more high-resolution LCD TFT color monitor with 1024 x 1024 matrix display b. The system should have image storage capacity of 1 TB for at least 1,00,000 images in 256x256 matrix. c. The main console should have facility for music system for patient in the magnet room. The system should have DVD / CD archiving facility. d. Two-way intercom system for patient communication. e. MRI System should be enabled and networked to RIS/HIS
• Measurement system

<ul style="list-style-type: none"> <li>a. Largest Field of View should be at least 45 cm in all three axis.</li> <li>b. The measurement matrix should be from 128x128 to 1024x1024.</li> <li>c. Minimum 2D Slice thickness mm should be equal to or less than 0.5</li> <li>d. Minimum 3D Slice thickness mm should be equal to or less than 0.1</li> </ul>
<p>Coil system</p> <ul style="list-style-type: none"> <li>a. The main body coil integrated to the magnet must be Quadrature / CP. In addition to this following coils should be quoted.</li> <li>b. ADD dedicated head coil or Head neck coil with parallel imaging technique compatibility up to factor 4 or better.</li> <li>c. Neuro-vascular Coil with 12 or more channels for Head / Neck Coil combined, capable of high-resolution neuro-vascular imaging</li> <li>d. Spine Array/Matrix Coils for thoracic and lumbar spine imaging at least 16 channels..</li> <li>e. Body Array/Matrix coil with at least 40 cm coverage for imaging of abdomen, angio and heart at least 16 channels or more (when in combination with posterior coil)</li> <li>f. Suitable coil combination for peripheral angiography application with variable resolution techniques at least 20 channels or more</li> <li>g. Dedicated 8 channel knee coil</li> <li>h. Bilateral Breast Coil with at least 4 or more channels</li> <li>i. At least 6 channel shoulder coil or equivalent</li> <li>j. Set of medium general-purpose coil with two flexible elements each for imaging of breast imaging / tmj imaging</li> <li>k. The system should continuously monitor the RF coils used during scanning to detect failure modes. RF coils should not require either set up time or coil tuning. The coil connector should be table itself.</li> </ul>
<ul style="list-style-type: none"> <li>• Application sequences</li> <li>a. The system should have basic sequences package with Spin Echo, Inversion Recovery, Turbo Spin Echo with high turbo factor of 256 or more, Gradient Echo with ETL of 255 or more FLAIR.</li> <li>b. Single Slice, multiple single Slice, multiple Slice, multiple stacks, radial stacks and 3D acquisitions for all applications.</li> <li>c. Single and Multi-shot EPI imaging techniques with ETL factor of 255 or more</li> <li>d. Fat suppression for high quality images both STIR and SPIR.</li> <li>e. The system should acquire motion artifact free images in T2 studies of brain in restless patients (Propeller, Multivane, Blade etc.)</li> <li>f. Dynamic study for pre and post contrast scans and time intensity studies</li> <li>g. MR angio Imaging: Should have 2D/3D TOF, 2D/3D PC, MTS and TONE, CeMRA, Facilities for Accelerated time resolved vascular imaging with applications like Treats/ Traks/Tricks sequences.</li> <li>h. Fat and water excitation package. Diffusion Weighted Imaging with at least to value 5000 or more</li> <li>i. Bolus chasing with automatic and manual triggering from Fluro mode to 3D acquisition mode with moving table facility.</li> <li>j. Non contrast enhanced peripheral angiography for arterial flow with Native/Trance/Inhance sequences</li> <li>k. Whole body screening imaging studies for metastasis</li> <li>l. Whole body diffusion weighted imaging with background suppression</li> </ul>

<p>m. High resolution Abdominal and Liver imaging in breath hold and free breathing modes with respirator triggered volume acquisitions</p> <p>n. The system should have basic and advanced MRCP packages including free breathing and 3D techniques.</p> <p>o. The system should have facility for flow quantification of CSF, vessel flow and hepatobiliary system.</p>
<p>o. The system should have facility for flow quantification of CSF, vessel flow and hepatobiliary system.</p> <p>p. The system should have the Hydrogen, Single Voxel spectroscopy, Multivoxel MultiSlice &amp; Multiangle 2D, 3D Spectroscopy and Chemical shift imaging in 2D/3D. The complete processing/post-processing software including color metabolite maps should be available on main console. Complete prostate spectroscopy hardware and applications should be provided. Spectroscopy for breast, Liver and prostate also to be offered.</p> <p>q. Advanced Cardiac Applications: (Standard). VCG gating, Morphology/wall motion; Cine perfusion imaging; Myocardial viability imaging; Arrhythmia rejection techniques, Advanced Cardiac Ventricular Measurement Analysis; Cine Cardiac Tagging Techniques; Coronary artery techniques; real time interactive imaging, 2D/3D fast field echo/balanced/steady state techniques and evaluation package on workstation.</p> <p>r. Advanced Breast imaging Package.</p> <p>s. Perfusion imaging of brain with software for analysis</p> <p>t. Susceptibility weighted imaging/venous BOLD imaging</p> <p>u. Multi direction DWI and DTI with minimum 32 directions</p>
<p>● Workstation:</p> <p>a. A workstation from the manufacturer with preferably the same user interface as of main console is required with the availability of all necessary software including.</p> <p>b. Basic post-processing software including MIP, MPR, surface reconstruction and volume rendering technique</p> <p>c. Advance post processing offered application including perfusion quantification advanced diffusion and DTI, including perfusion analysis, Processing of 2D/3D CSI data, with colour metabolite, mapping and flow quantification.</p> <p>d. It should have at least 19 inch LCD TFT colour monitor, with hard disk of least 100GB for at least 250,000 storage in 256 matrix, and 4 GB RAM capacity or more, with self-playing DVD/CD archiving facility</p> <p>e. The workstation should enable printing in laser film camera and colour printers</p> <p>f. Apart from this workstation apart from workstation and console, one separate viewing station should be provided. Brand should be mentioned.</p>
<p>● Accessories</p> <p>a. Suitable UPS reputed make with 30 minutes backup should be offered.</p> <p>b. Chiller</p> <p>c. RF cage</p> <p>d. Metal detector – 2 Nos</p>

<p>e. Music system</p> <p>f. Dry/ Laser imager</p> <p>g. MR compatible trolley to shift the patients – 2 Nos.</p> <p>h. Desktop computer with printer and UPS for reporting purpose</p> <p>i. Computer tables – 1 No. chairs – 2 Nos. of reputed make.</p> <p>j. MR compatible Multichannel Monitor for general and cardiac studies.</p>
<p>● Warranty :</p> <p>Three years comprehensive onsite warranty of entire system (spares and labour), without any exclusion. The quoted rate deemed to be inclusive of cost of spares, Labour, incidental charges, taxes there on etc., incurred for 3 years comprehensive onsite warranty of entire system. Periodical servicing of the equipment shall be provided at least once in six months.</p>
<p>● Turnkey: (1200 sq. ft.)</p> <p><b>SCOPE OF TURNKEY WORKS (MRI)</b></p> <p>Turnkey works include all Civil modifications, Electrical, Air Conditioning, power backup and other related works at the entire site of MRI installation including MRI RF Room, Console, Equipment Room, UPS Room, Chiller area and Reporting room and ancillary areas have been planned for smooth functioning and in consultation with the user Department.</p> <p>The end user will provide suitable room of required dimensions for installing the MRI and also adjoining rooms. It is the responsibility of the Supplier to provide and finish the interiors of the rooms in all respects for successful installation and commissioning of the equipment to the satisfaction of the user department. This shall include everything required for successful commissioning but not limited to the following:</p> <p>a. Civil Works: Necessary Civil works like Platform, Pedestals, etc., if any, required shall be provided. Proper lead protection for console and Gantry room to be provided.</p> <p>b. Flooring: Shall provide and lay Vinyl flooring of 2 mm thick in the RF Room manufactured by reputed standard manufacturers as per BS 2050-1978 and Vitrified Tiles in other areas, Colour as per user department requirement.</p> <p>c. False Ceiling: Shall provide and fix false ceiling with</p> <p>600x600 mm</p> <p>Mineral fiber Ceiling Tiles with Sky light in MRI RF room Supported on grid with Aluminum Channels and in other areas false ceiling with Mineral fiber Ceiling supported on grid with G.I suspension with 600 x 600 mm necessary fixing arrangements.</p> <p>d. Walls: Walls up to ceiling shall be provided with vitrified tiles 60cm x 60cm. Color as per user department requirement.</p> <p>e. Electrical: The user department will provide main incoming power at one point near the MRI Room. The supplier shall supply and install the main incoming switch fuse unit from this point, separate lighting and power distribution boards and lay distribution lines required for all items installed with the MRI and electrical lighting for the main equipment and Console room, Patient waiting room, Change room, etc.</p>

f. The Supplier shall also quote separately the cost / R.M. for laying Electrical cable from the main supply point of the hospital panel board to MRI incoming power point.

g. Plumbing: Required Plumbing work shall be provided.

h. Furniture: Storage Cabinets 4 Nos (4-Foot X 6-Foot) to be provided in Reporting Room, Console Room, Equipment Room.

Working Tables: 4 Nos (3-Foot X 5-Foot) to be provided in Console Room and Reporting Room.

Chairs : Ergonomic Chairs 3 Nos ( Featherlite or equivalent)

i. The Minimum area required for MRI Installation area which includes MRI RF Room, Console, Equipment Room and Patient Waiting area is 1000 sq.ft.

. Air Conditioning : Central Air Conditioning with Ductable AC Units of 11 Tr X 2 Units ( 22 Tr) make should be mentioned with necessary ducting and temperature control to maintain the required temperature in the MRI installation area.

k. Earth pits: Earth pits should be provided for protective earthing of the equipment. Supplying & installation of Chemical earthing / Copper Plate earthing complete in all respects with charcoal, salt, watering pipe, funnel, CI cover for chamber.

l. Generator Backup: DG back up of 250 Kva for MRI Facility with required site preparation works has to be provided.

Note:

1. Bidders shall furnish technical compliance statement for the model quoted, details of manufacturer including deviations if any. Technical catalogue /data sheet shall also be furnished in support of technical compliance statement without fail

## Specifications for (PACS SOFTWARE SYSTEMS)

### PROJECT OVERVIEW

This document solicits proposals from qualified Bidders with sufficient experience in the design and production of PACS, Picture Archiving & Communication System across Hospital to connect all Radiology imaging modalities across all wards, OP, IP Blocks, Admin office **Solution includes connectivity to existing Radiology Equipments and future radiology equipments, Radiology Workstations, viewing stations with DICOM viewing software, long term storage** as well as the installation, user training, and on-site maintenance and repair of all equipment components and subsystems related to the Archiving and Display of images created by diagnostic radiology imaging equipment. Said Experience is to include:

- Expertise in configuring, installing and fine tuning a database management system, data server and archive media subsystem(s);
- Expertise in configuring, installing, and applications programming to insure image quality and utilization acceptable to each of the radiologists & physicians.
- Expertise in interfacing all components of the proposed subsystems and components to the new/existing Network, specifically interfacing to the suite of DICOM SOP classes required in this project;
- Project Management Expertise, as the Bidder is expected to manage the installation and testing of the system;
- Expertise in conducting a successful “Training the Trainer” program to insure that Client personnel will be properly trained on the use and care of the proposed system and that the Training Program can be successfully repeated on site by Client personnel as required to support a fully digital radiology department.

### Qualification Criterion

- PACS quoted should be a company registered in India for minimum 15 years
- PACS should have been deployed at more than 10 sites within India out of which at least 2 should be in hospitals of 1000 beds. List of installations to be provided.
- PACS must be fully web based
- The quoted PACS solution OEM must have ISO 9001 Certification
- The solution should not use any Free source DICOM tools. Vendor should submit a certificate declaring conformance for this.
- Bidder will be asked to demonstrate the features and inability to show any feature can result in their bid being rejected
- Bidder should not be black listed or should not have court case by any Government agency of India.
- PACS OEM should give undertaking that they have never withdrawn their bid for any government project after being declared L1(Notarized)

## **Clinical Operations**

This section is not normative. It provides examples of the clinical operation of the system(s) as envisioned by Client to aid in understanding the desired functionality. Bidder must comply with these.

- The vendor should survey and provide the complete campus wide optical fiber cabling connectivity to each wards across the hospital campus. Solution to build robust network architecture to handle the future purchased equipments like CT, MRI, / Hospital information system, EMR etc.
- CR and DR Exams: The existing CR and DR devices will be interfaced to the PACS in such a way that the PACS can provide worklists based on the DICOM Modality Worklist specification, of ordered CR or DR exams from which the technologist may select the current exam and receive the patient demographic data without further data entry. Initial QC will be performed by the technologist using the display connected to the CR plate reader or the Work console of the DR units. Final QC for CR and DR exams will be performed by designated technologists at PACS QA workstations.
- CT, MRI, US: The PACS may provide modality worklists based on the DICOM Modality Worklist specification to CT, MRI, US, systems, allowing those modalities which support worklists to acquire patient demographic data without technologist input. Exams will be completely acquired at the modality before transmission to the PACS. QC will be performed at the modality. Exams received at the PACS will require no further interaction to be made accessible to users at PACS workstations.
- Stat Exams: Exams designated as stat in the exam order entry process will be identified in the PACS, and the PACS will provide workstation users with lists of stat exams for rapid access.
- Hardcopy and CD Printing: PACS film and/or paper printers as well as CD/DVD burners will be accessible only to authorized users.
- Diagnostic Reporting: Using Digital Dictation or Template based reporting, authorized users will access worklists of unread exams for dictation. Relevant historical exams, along with their reports, will be available for simultaneous display at the time of diagnosis, if so required, having been previously retrieved by an automatic pre-fetching process. Users will generally monitor worklists based on modalities; however, it will also be possible to find specific patients by Name, Patient ID number or Accession number. During a diagnostic session, a user will be able to select a specific case from the list or automatically move sequentially down the list. In the latter case, after completing the dictation, the PACS will automatically change the status of the current exam to indicate that it has been read, close the exam, and open the next one in the worklist. When displaying an exam or a set of related exams for a diagnostic session, the system will automatically present the images in a reasonable arrangement to speed the process. Window width and level and image rearrangement will be used frequently. Following Digital Dictation/transcription, the dictated report will be available in the PACS and be accessible for display at the workstations. Subsequent changes to the contents or status of the report will also be available in the PACS. Report approval (sign-off) will be possible on the PACS workstation, in which case the status change will be sent to the RIS/HIS.



- **Physician Review:** Authorized users will submit queries to the system database by choosing one of a selection of predefined worklists or views, thereby accessing lists of exams, folders, and patients. Reports for exams will be visible on the workstation. Exams will be selected and displayed in the format in which they were last saved. Window width and level and image rearrangement will be used frequently.

## Technical requirements

### System Architecture

- The Information Technologies department has established the following preferences:
- The IT department would prefer that the Operating System for all major Servers be **Windows**.
- The IT department would prefer that the Data Base Management software for the Directory database be **MS-SQL** for implementation.
- The IT department would prefer that the Operating System for the Diagnostic Display stations be **Windows**.
- The IT department would prefer that the Operating System for the Clinical Display stations be **Windows**.
- The IT department would prefer that the Browser used in conjunction with the Web based stations be **MS Internet Explorer** / Chrome / Firefox / Safari.
- IT department would prefer that the PACS Administrator's software tools be web accessible from any PC as opposed to be installed on a specific PC (Admin Station).
- DICOM Conformance statement of the quoted product should be submitted

### Major requirements

- The PACS shall be Fully Web Based with all users accessing all functions through the Internet Browser
- With the intention of Client to eliminate paper, the bidder shall include a strategy for document scanning and management of the application that can be integrated into the PACS
- PACS should support multithreading technology for DICOM communication
- There should be no restriction of License in PACS based on exams per annum
- Offered PACS should support high volume reading (lots of cases, large cases, across modalities)
- Solution should support image viewing from Tabs like Samsung Galaxy & IPAD
- Offered system should have a common GUI for all PACS workplaces
- PACS should support and connect unlimited modalities both present & future. No extra license cost will be applicable for any new modality connectivity.
- PACS should integrate bidirectional with HIS/EMR in future



## **System**

- The proposal shall include a detailed description of the architecture of the system, documenting the system topology and the components of the system.
- The system shall meet all performance requirements in this specification with the database storing **05 years** examinations.
- The system shall support system-wide authentication of users through the use of a unique user-ID and password for each user or through an alternative approach with equivalent result.
- The bidder shall provide mechanisms to assure the security of all system components to minimize loss of equipment or data due to theft or malicious tampering.
- The system should provide same user interface to any user if logged from any computer
- In case of network disconnection the system shall automatically resume the image display on reconnection
- System shall display the complete image available at that moment in case of network disruption or disconnection.
- Should support collaboration features like Video conferencing, Chat and Desktop sharing from the PACS directly to allow users to collaborate with each other.
- Any user preferences like keyboard shortcuts, worklist columns once setup by a user should be available if the user logs from any computer

## **Main PACS Application/Database**

- The system shall support the creation of individual users each having individually configurable access-privileges.
- The system shall provide an access control mechanism that enables assignment of unique access privileges to individual users to access or alter system resources and data.  
Examples of such functions are:
  - Displaying approved reports
  - Displaying unapproved (unsigned) reports
  - Displaying images
  - Printing images
  - Burning CD/DVD's
  - Changing the status of images and exams
  - Changing the display attributes of exams
  - Approving reports
  - Creating, modifying, or deleting studies

- The database should also support a direct DICOM Query/Retrieve interface, such as could be used for 3rd party workstations or modality retrievals, without noticeable performance degradation.
- A system-wide administration function shall be provided to facilitate user profile creation, worklist query creation, system configuration management, data integrity checks and maintenance, and any other administration functions as required by the implementation of the product. A graphical user interface for this function is required. In particular, patient merge and split, as well as exam merge and split features shall be provided.
- The system shall implement the following minimum DICOM SOP Classes
  - DICOM Storage
  - DICOM Verification
  - DICOM Print
  - DICOM Q/R
  - DICOM Send

### **Image Archive**

- The system shall provide sufficient storage capacity to provide direct rapid access to 06 months of image production in online archive.
- Secondary archive should store 05 years data and must retrieve automatically without manual intervention
- Should be Vendor Neutral Archive (VNA)
- The system shall not store any image in the storage system with non-reversible compression. (Lossy compression)
- The system shall make exams available for retrieval by workstations.
- The storage system shall tolerate the failure of a single disk drive without loss of data.
- The storage system shall remain operational in the event of the failure of a single disk drive.
- The storage system shall remain operational during the service required to correct a failed disk drive.
- The storage system shall support the storage and retrieval of all SOP classes needed to accommodate the present modalities. It shall support Explicit as well as Implicit Value Representation as part of its Syntax and store Explicit VR as its default transfer syntax.
- The system shall provide a DICOM interface to which DICOM-compliant external devices may connect. External devices are devices not supplied with the system and include but are not limited to image review workstations, image printers and modalities.

- The system shall include a DICOM Query/Retrieve SCP which is based on the Patient and Study Root Information model and which provides query responses for all studies, series, and images stored in either the Storage System and/or the Archive System.
- The system shall include a DICOM Modality Worklist Management SCP
- The system shall include a DICOM Storage Commitment SCP which accepts storage commitment by the modalities.
- The bidder shall provide with the proposal the Conformance Statements covering all DICOM services of the system for each individual component.
- The external DICOM interface shall support storage of ultrasound images using the Ultrasound Storage SOP Class.
- The system shall provide DICOM Support for ultrasound & cathlab cine loops.
- Image library function for research and marking interesting cases must be available
- Teleradiology & Telecardiology module for accessing images and reporting from remote locations should be available

### **Image Viewing Stations**

- Clinical Review workstations (CRWS) primarily located in all Wards, Medical Superintendent Office, Medical Director for reviewing purposes.
- Client will require standard square monitors all stations.

### **User Interface**

- The cursor shall move within and between monitors in a smooth and continuous manner under the control of a mouse or trackball pointing device with the cursor remaining visible during its movement.
- The system shall enable all users to create their own profiles accessible from any workstation which specifies at a minimum:
  - Window width and level presets
  - Default display protocols
  - Mouse Settings
  - Worklist Columns as per choice
  - Electronic Signature
  - Autorefresh time for Worklist
  - Size of Worklist
- The system shall provide the capability to access user specific hanging protocols from each workstation. These hanging protocols should be created through a user friendly GUI which would allow a user to edit the default protocols and/or generate them from scratch. These hanging protocols will be modality and body-part specific.

- The system shall provide a mechanism for automatic logoff of a user at a workstation after a configurable period of workstation inactivity.

### **Exams, Folders, Worklists, and Queries**

- The system shall allow dynamically updated worklists to be created by the system administrator for a specific user. For the purpose of this RFP, a worklist is any database query, which returns a list of exams or patients. Dynamically updated means that as exams change status in such a way as to change the contents of a worklist, the worklist is automatically refreshed within a specific time. The requirement for dynamic updating can be satisfied by periodic polling of the database with a frequency defined by a parameter which is configurable by the system administrator.
- A worklist entry for an exam shall include at least the patient name and ID, examination procedure, exam date and time, report status, modality, number of images, referring doctor, age & sex.
- The system shall support worklist which display a list of exams based on queries of:
  - patient name
  - patient ID
  - Accession number
  - modality
  - report status
  - study date
  - Between a range of dates
  - Marked studies
  - AE title
  - institution name
- Worklists shall be generated and stored centrally to the PACS network so that a user, logged on to any workstation, may access any worklist from the network and display exams selected from this worklist to his/her current workstation location.
- Worklist should be customizable for each user and allow the user to display their own set of columns. User should also be able to setup his page size and dual monitor support.
- The workstation shall allow the user, with a single click, to sort the studies on any of the columns displayed in the Worklist.
- Offered system should utilize a data locking methodology, if several concurrent users access images i.e. Concurrent users will get reading access to images & no reporting except by 1st user is allowed.
- All exams shall be accessible from every workstation, limited only by security mechanisms.

- Old exams should be automatically displayed in the image viewer along with history & report. User should be able to load upto 4 priors of any modality for comparison
- A mechanism shall be provided to permit a user with proper privileges to select images or exams for inclusion into one or more manually-created folders for teaching and research purposes.
- It shall provide a mechanism to lock a study to prevent deletion of that study by another user
- It shall provide a mechanism to attach a message from one user to another to every study
- The Worklist shall display STAT request by easily identifiable color codes
- Should be possible to merge 2 studies together
- Should be possible to split a study into two
- Should support scanning of paper/reports and conversion to DICOM series
- The Worklist shall display the studies which have been locked or printed with some indication
- It should be possible to add a keyword to a study and then search & retrieve a list of studies based on that keyword
- It should be possible to search report content for any user definable keyword and get a list of reports with such keywords

## **Reports**

- The workstation shall allow creation of reports based on user selectable templates
- The workstation shall allow pre-configured header/footer in the report
- The report window shall be opened separately and multiple such windows can be opened
- The report shall allow insertion of key images for printing in user selectable format
- The report shall automatically display the patient demographics from the DICOM header
- The workstation shall allow a user with the proper privileges to display the report for any reported exam without requiring the display of its associated images.
- The administrative status of any report (e.g., approved or not approved) shall be indicated when the report is displayed.
- The system shall allow creation of multiple templates according to user/modality/organ

- The system shall support capture and attachment of audio file by the radiologist user for reporting
- The system shall allow the transcriptionist to review the audio and transcribe the report and submit it for approval of the radiologist
- The report shall support all standard formatting functions available in MS Word
- Report text search engine should be available
- PACS should support email/SMS of reports automatically on finalization
- PACS should support speech recognition using dragon software

#### **Exam Display, Arrangement and Image Processing**

- The workstation shall support the display of multiple images from one exam on one or more monitors.
- It shall be possible to choose among multiple image display formats for the monitors of a workstation, for example: 1:1, 2:1, 3:1, 4:1, 6:1, 9:1, 16:1, 20:1 and 24:1
- The system shall provide user-selectable, user-definable protocols for display of the images of an exam where the protocols are specific to the type of exam. The intent of this requirement is to allow physicians' preferences for display to be satisfied.
- The workstation shall allow a user with the proper privileges to save the information that controls the display of the images of an exam, including window width and level, display sequence, orientation, magnification, pan position, and any annotations.
- The workstation shall support the display of multiple exams simultaneously.
- The system shall provide for display of multiple exams of a patient. The intent of this requirement is to support the presentation of historical studies along with a new study for diagnosis.
- The system shall support rapidly moving to the next or previous exam/series/image in a Worklist using the equivalent of one keystroke.
- The workstation shall have the capability to display CT and MRI scout images with the slice position lines overlaid on the image. User shall have the option of displaying all lines or only 1 line specific to one image
- Rapid sequential paging through images of an exam displayable on a single monitor shall be provided.

- Should display indication of printed studies
- Should display indication of finalized studies
- Should be possible to give keywords to any images and search on those later
- If multiple image series are viewed, it shall be possible to page through the series independently.
- The workstation shall support arranging groups of images into a stack (with only the top image visible) and displaying them sequentially forward or backward.
- The workstation shall support Thumbnail view providing a quick glance at the series within a study.
- The workstation shall support image display based on Acquisition time, Table position and Instance number of CT images
- The workstation shall support linking two or three image stacks and moving through them synchronously so that the same anatomic position or image sequence position is displayed in each stack.
- The Workstation shall provide for full screen image display and paging in this full screen window.
- A cine function with a user selectable, variable frame rate of at least 1 to 30 frames per second shall be provided.
- The cine function shall support user selectable continuous display, reverse playing and true size display of images.
- The user shall be able to extract frames from the cine file and save it as individual image.
- The workstation shall display all images of a cine file in user selectable display format in one keystroke/mouse click
- The workstation shall provide dynamic window width and level through the entire image grayscale dataset.
- The window width and level function shall be applicable to a single image, selected images or all images
- Window width and level values shall be displayed on the image in real time
- Display of the inverse grayscale of any image shall be supported.

- The system shall provide unlimited user-configurable window width and level defaults for each user.
- Window width and level defaults shall be user-, modality- and organ-specific.
- A rapid method to select among default window width and level values shall be provided. The intent of this requirement is to allow the user to jump between, for example, bone windows and soft tissue windows in CT using function keys.
- If an image is received from a modality along with a window width and level for viewing, the window width and level parameters shall be used for the initial display on the workstation.
- If an image is displayed for which no window width and level is available, the workstation shall select a set of values, which at least make the image visible as a starting point for subsequent manual changes.
- Ability to load different studies of different patients, side by side for comparison
- System should provide a quick filter function for one click search of studies (Weekly, Daily, Monthly)
- Predefined modality-specific display layouts
- The workstation shall allow user to convert image/series/study from DICOM to JPEG/BMP format for local storage.
- DSA Module is required for Cathlab images

#### **Image Orientation, Zoom, Pan, and Magnifying Glass**

- The workstation shall allow sequential 90 degree clockwise and counter-clockwise rotation of any image as well as flip in the horizontal and vertical axes.
- The workstation shall support angular rotation in any degree
- It shall be possible to reorient a single image, selected images, or all images in one operation.
- The workstation shall be capable of enlarging an image by interpolation of pixel values.
- It shall be possible to zoom a single image, selected images, or all images in one operation.
- Zoomed images shall be repositionable by panning (roaming) the image within the area allocated for display of the image.



- When the actual image size is greater than the monitor resolution or the resolution of the available display window, it shall be possible to display the image in True size
- The workstation shall include a magnifying glass function
- It should be possible to invert, reverse, flip an image or images

### **Region of Interest, Distance, and Angle Measurements**

- The workstation shall compute point-to-point measurements with automatically calibrated, user-selectable scales (micrometers, mm, cm, or inches).
- The workstation shall support angle measurement.
- The workstation shall support region of interest mean (in image units, e.g., Hounsfield units for CT) and area measurement based on ellipses and rectangular tracing.
- The Workstation shall provide a tool to compute Cobbs Angle
- The Workstation shall provide Protractor and Cross Product calculation tools
- The tools should have user definable color and line settings
- The workstation shall allow cropping/masking of image using ellipse or rectangle
- The workstation shall allow user to select a region of interest and move it to another part of image for highlighting a pathology.
- The workstation shall allow automatic edge detection in a image
- The Workstation shall provide a tool to compute CT Ratio

### **Image Annotation**

- The workstation shall provide tools allowing the user to position and orient multiple instances of text and graphics (lines, arrowheads, rectangle, freehand and circles) for image annotation.
- The Workstation shall provide tool for automatic labeling of intervertebral space and vertebrae (Spine Labeling)
- It shall be possible to edit or delete the annotations if required at a later date
- It shall be possible to print the annotations on film if required

- It shall be possible to change the color, size and font of the annotations and set them as default.

### **Image Identification**

- The workstation shall display along with each image at least the following patient data, where appropriate for the image and modality:
  - patient name
  - patient ID
  - exam date and time
  - image orientation
  - kVp
  - mAs
  - pulse sequence
  - slice position
  - image or slice number
  - referring physician
  - Institution Name
  - Equipment Model
- All the above shall have configurable position for display on any corner of image and user can set it in default position.
- The workstation shall allow the user to toggle the display of image identification text on and off.
- The workstation shall provide a function to display the entire contents of the DICOM header for a selected image.

### **Utility Functions**

- During the execution of a time-consuming function, the workstation shall indicate that the system is working.
- The workstation shall provide a function to allow the user to protect selected images from deletion.
- The workstation shall provide a function to allow the user to mark interesting studies and search them.
- Should support a user-friendly admin user interface
- User creation and different rights assignment should be available
- Remote administration of workplaces and PACS servers should be possible

- Should be possible to store the client configuration data centrally
- IT Dashboard which provides information of major activities like number of users logged in, study status, DICOM Services status should be available
- Statistical reports must be possible to be produced based on different criterion like TAT, Study volumes, radiologist TAT, CD Written, Films printed etc
- Should be possible to export the MIS reports to MS Excel
- System should support roaming user profiles (After logon, the user-specific settings are loaded independently on the workplace).
- Settings should be saved in a central repository
- Should define user groups according to the departmental structures
- User administration possible should be without programming skills
- Should provide complete audit trail of activities in the system

#### **Hard Copy Printing**

- The workstation shall allow users with the proper privileges to print exams on any DICOM image printer connected to the network.
- No installable program must be required for printing films from any station
- Requests for printing shall not compromise workstation operation or performance.
- The workstation shall allow the user to choose from multiple standard image formats: 1:1, 2:1, 4:1, 6:1, 9:1, 12:1, 16:1, 20:1 and 24:1.
- The workstation shall allow the user to create his own customizable non standard format like 1:3, 2:3, 2:5 etc
- The workstation shall allow the user to arrange the images of the examination within the selected image format.
- The workstation shall allow the user to produce multiple copies of the same image with one request, up to a maximum limit specific to the user.
- The workstation shall allow the user to cancel a print request which he has previously entered.
- Adding Header/Footer and changing the position of the same should be possible

- Hospital Icon should be allowed to be added for printing
- The workstation shall allow user to select different film sizes and film orientation
- It shall allow configuration of multiple DICOM printers into the system
- The workstation shall allow the user to print multimodality images on same film.
- The system shall have a film composer window with ability to process images before printing
- The system shall also allow image printing on standard paper printers

### **General specifications for Spoke**

1. Provision for storage will be in cloud and it will be provided by the APMSIDC. However, 2 TB local storage facility should be provided by the firm at each site.
2. 2 independent locations should be connected to a central location each serves as HUB(Existing).
3. Server specifications for Tele-Radiology for image storage / archival, viewing along with monitor requirement (Suitable for existing server as per the requirement)
4. Number licenses required for reporting/post-processing: 4 radiology licenses for native PACS post processing applications. The PACS should be integrated to server client work station provided by the MRI vendors
5. Dedicated internet connection will be provided by APMSIDC at all location
7. Every two years the hardware and software refresh (Windows OS, Hardware) at free of cost.
8. All consumables accept Helium will be provided by APMSIDC

**Required quantity of items -**

Sr. No.	Institute Name	Item name	Quantity
For Spokes			
1	KGH Visakhapatnam	MRI scan machine 1.5 Tesla	1
2	GGH Kakinada	MRI scan machine 1.5 Tesla	1
3	KGH Visakhapatnam and GGH Kakinada	Software and hardware required for teleradiology/PACS	1
4	KGH Visakhapatnam and GGH Kakinada	CMC for 7 years for supplied MRI	1
5	KGH Visakhapatnam and GGH Kakinada	CMC for 7 years for Software and hardware required for teleradiology/PACS	1
6	Buy back price of Old MRI Machine		1+1

## **Section – VI Pre – qualification criteria**

(Referred to in clause 13.3 of ITB)

### **I. Terms of Qualification for Equipment:**

The bidder shall be a Company registered under companies act 1956 / 2013.

The Bidder or the manufacturer should have supplied and completed installation / commissioning of at least 2 nos **MRI 1.5T or higher** in any one year during the last three years in India. The Supplied units should be in working condition without any adverse remarks as on the date of bid notification.

- The bidder should furnish the information on past supplies and satisfactory performance in the proforma given under Section XI- Format B1, duly attested by the Bid signatory
  - Bidders shall invariably furnish documentary evidence (End-user Certificate) in support of the satisfactory operation of the equipment as specified or a CA/Statutory auditor Certificate to that extent as per the format provided in the Section XI- Format B2
1. The Bidder shall have an Avg. annual turnover in the last three financial years of not less than the amount specified against each item in the Schedule of the Requirements and also to have a positive net worth as per the latest Annual Accounts.
  2. Towards the above, the bidder should furnish data as per the Format (B3) given in Section- XI, to support that he has the financial capacity to perform the contract. Further the bidder as to submit the corresponding Balance Sheets and Profit and Loss Accounts for verification
  3. a) The Manufacturer, must have necessary quality certifications ISO 13485 (Quality Management System for Medical Devices) or any other certification higher/ advanced than ISO 13485,  
  
b) Full Quality Assurance System Approval Certificate Management System Certification for Medical Devices 4 digit CE / USFDA.

### **II. Terms of Disqualification**

1. The Bidders who has withdrawn their bids in any of the previous tenders of APMSIDC
2. A bidder who is placed on the blacklist by either APMSIDC or by any other State /Central government's department or organization for the product offered with his bid in the last 3 years

3. A bidder who is placed on the blacklist by either APMSIDC or by any other State / Central government's department or organization in the last 3 years
4. A bidder who is currently blacklisted / debarred either by APMSIDC or by any State Government or Central Government Department or Organization
5. The bidder who has been declared as 'undependable supplier' for two (2) items or in two (2) instances in the last one year by the APMSIDC and
6. The bidders against whom there have been reports of substandard Equipment and/or service are liable for disqualification.

Note: In all the above cases, the disqualification cut-off date will be till the contract is signed

### **III. Others**

Not with standing anything stated above, the purchaser reserves the right to assess the Bidders capabilities and capacity to perform the contract should circumstances warrant such an assessment in the overall interest of the purchaser deciding on award.

## **Section – VII (A) – Bid form**

(Name and Address of Purchaser)

Date\_\_\_\_\_

To

Contract No.\_\_\_\_\_

The Managing Director,

APMSIDC, Mangalagiri, Guntur.

Gentlemen:

Having examined the Bidding Documents including Addenda No. \_\_\_\_\_ the receipt of which is hereby duly acknowledged, we, the under-signed, offer to supply and deliver \_\_\_\_\_ (Description of Goods and Services) in conformity with the said Bidding Documents for the sum as given in the Price Bid (electronically) or such other sums as may be ascertained in accordance with the schedule of prices furnished and made part of this bid.

We undertake, if our bid is accepted, to commence delivery within 120 (Number) days and to complete delivery of all the items and perform incidental services as specified in the contract within 60 (Number days calculated from the date of receipt of your Notification of Award/Letter of credit.

If our bid is accepted, we will obtain the guarantee of a bank in a sum not exceeding 5% of the Contract price for the due performance of the Contract

We agree to abide by this bid for a period of 120 (Number) days from the date fixed for bid opening under Clause 22 of the Instruction to Bidders and shall remain binding upon us and may be accepted at any time before the expiration of that period.



We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in India like “The Prevention of Corruption Act 1988”

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_

Signature: \_\_\_\_\_

(in the Capacity of) : \_\_\_\_\_

Duly Authorized to sign bid for and on behalf of

\_\_\_\_\_

## Section VII (B)

### Model PRICE Schedules (available on e-procurement Platform)

Information Technology Electro. (IN) | <https://tender.approcurement.gov.in/ViewItemFormatX.html#>

Current Tender Details

Tender ID: 1230	IRB Number / Tender Notice Number: 1.1/4PMSIDC/2015-17, Dated: 07.05.2015
Tender Category: PRODUCTS	Tender Evaluation Type: New Item
Tender Type: OPEN	Estimated Contract Value: 0
Tender Opening Date: 17/05/2015 05:15 PM	Bid Submission Closing Date: 01/06/2015 05:15 PM

Schedule Details

Schedule Name: Miscellaneous	Schedule Description: Different Items
------------------------------	---------------------------------------

Item Details

Item Code: Surg001	Item Name: GRAM STAINING KIT
Item Description: As per tender document	Item Specification: As per tender document

Add / Edit Cost Component Details

ID	Component Name	Type	Percentage / Amount
B001	CST	--SELECT--	
B002	Customs Duty	--SELECT--	
B003	Discount	--SELECT--	
B004	Entry Tax	--SELECT--	
B005	Excise Duty Including Cess	--SELECT--	
B006	Freight Charges	--SELECT--	
B007	Insurance Charges	--SELECT--	
B008	Other Charges, if any	--SELECT--	
B009	Packaging & Forwarding Charges	--SELECT--	
B010	VAT	--SELECT--	

Remarks:

Total MT Quantity	Ordered Quantity (A)	Brand/Make/Model	Basic price Unit (INR) (B)	Basic price Unit(s) Words	Total Cost Component Unit (INR) (C)	Landed Price Per Unit (B+C)

## SECTION VII (C)

### LIST OF ITEMS WITH MAKE & MODEL WITHOUT PRICES

S. No	Item Name	Make	Model	Country of Origin	Specifications	Compliance to RfP requirements
1	MRI related items					
2	Software and hardware related					

\*Note – technical brochure should be provided for each of the equipment.

## Section – VIII - Bid Security Form

To

The Managing Director

APMSIDC, Mangalagiri, Guntur.

Whereas \_\_\_\_\_ (hereinafter called "the Bidder" has submitted its bid dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called "the Bid")

KNOW ALL MEN by these presents that WE \_\_\_\_\_ of \_\_\_\_\_ having our registered office at \_\_\_\_\_ (hereinafter called the Bank") are bound unto \_\_\_\_\_ (hereinafter called "the purchaser") in the sum of \_\_\_\_\_ for which payment will and truly to be made to the said purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_.

THE CONDITIONS of this obligation are:

If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid form; or

If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:

- Fails or refuses to execute the contract form if required
- Fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders

- Does not accept the correction of the bid price pursuant to Clause 15.7(c).

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

This guarantee will remain in force up to and including 45 days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date i.e., upto \_\_\_\_\_.

.....(Signature of the Bank)

## Section – IX – Contract form

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ between  
\_\_\_\_\_  
(Name of Purchaser) of \_\_\_\_\_  
(Country of Purchaser) (hereinafter "the Purchaser") of one part and  
\_\_\_\_\_  
(Name of the Supplier) of  
\_\_\_\_\_  
(City and Country of Supplier) (hereinafter "the Supplier")  
of the other part.

WHEREAS the Purchaser is desirous that certain Goods and ancillary services should be provided by the supplier, viz, \_\_\_\_\_ (Brief description of Goods and Services) and has accepted a bid by the supply of Goods and services in the sum of \_\_\_\_\_ (Contract price in Words and Figures) (hereinafter "the Contract Price").

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 conditions of Contract referred to;
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - a. The Technical and Price bid of the Supplier
  - b. The approved Technical Specifications,
  - c. The General Conditions of Contract,
  - d. The Special Conditions of Contract, and
  - e. The Purchaser's Notification of Award.
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 provide the Goods and Services and to remedy defects therein in conformity in all respects with the provision 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.

5. Brief particulars of goods and services which shall be supplied/provided by the Supplier are as under.

SL NO.	BRIEF DESCRIPTION TO GOODS & SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	DELIVERY TERMS

**TOTAL VALUE:**

**DELIVERY SCHEDULE:**

IN WITNESS whereof the parties here to 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)

In the presence of \_\_\_\_\_



**Section- X - Performance security form**

To

The Managing Director

APMSIDC,

Mangalagiri, Guntur.

WHEREAS \_\_\_\_\_ (Name of the Supplier) hereinafter called "the Supplier" has undertaken, in pursuance of Contract No. \_\_\_\_\_ dated \_\_\_\_\_ to supply \_\_\_\_\_ (Description of Goods and Services) hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of \_\_\_\_\_ (Amount of the Guarantee in Words and Figures) and we under take 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 limit 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.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_.

Signature and seal of Guarantors

\_\_\_\_\_

\_\_\_\_\_

Date \_\_\_\_\_

Address\_\_\_\_\_

\_\_\_\_\_

## Section XI

### FORMAT B1: Proforma for performance (for a period of last three years)

(Please see Section VI: Qualification Criteria)

Bid No. \_\_\_\_\_ Date of Opening \_\_\_\_\_ Time \_\_\_\_\_ Hours

Name of the Firm \_\_\_\_\_

Order placed by _____  (Full address of Purchaser)	Order No	Date	Description of Item	Quantity of ordered Equipment Items.	Value of order	Date of completion of delivery		Remarks indicating reasons for late delivery, if any	Has the Supplier received full payment towards the supplies made
						Purchase terms	Actual		
1	2	3	4	5	6	7	8	9	10

Signature and seal of the Bid Signatory

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### **FORMAT B2 : CA (Statutory Auditor) Certificate**

(Please see Section VI: Qualification Criteria)

#### **Certificate from the Statutory Auditor**

This is to certify that ..... (name of the Bidder) is a “Manufacturer/OEM” of the required items offered under the Bid. The Bidder had supplied the quantities shown in the past performance statement and also completed the respective supplies within the stipulated delivery period/s.

Further it is certified that the previously supplied equipment are reported to be in working condition without any adverse remarks from the respective users and some are working for more than two year as per the records as on the date of this Tender notification.

The bidder has previous experience in maintenance and repairs of equipment for \_\_\_\_\_ years and has qualified service staff working with him”.

Name of Authorized Signatory:

Designation:

Name of firm:

(Signature of the Authorized Signatory)

Seal of the Firm

### **B3- FINANCIAL CAPACITY OF THE MANUFACTURER / OEM**

#### **A. Details of Annual Turnover for Preceding 3 Years.**

	Year 1 (2019-20)	Year 2 (2020-21)	Year 3 (2021-22)	Average Annual Turnover
Turn Over (In Rs. Crores)				

#### **B. Details of Net Worth**

	Year1 (Last Financial Year i.e. as on 31 <sup>st</sup> March 2022)
<b>Paid up Capital (Rs. Cr)</b>	
<b>(Add) Free Reserves (Rs. Cr)</b>	
<b>Total Net Worth (Rs. Cr)</b>	
<div style="text-align: center;"><hr/><b>(Signature of Bid Signatory)</b> <b>Seal of the Firm</b></div>	

Certificate from the Statutory Auditor

This is to certify that .....(name of the Bidder) has an average annual turnover (in the last three financial years) and Net Worth (in the last financial year) as shown above

Name of Authorized Signatory:

Designation:

Name of firm:

(Signature of the Authorized Signatory)

Seal of the Firm

**Section – XII -A**

(Please see Clause 13.3(a) of Instructions to Bidders)

*(to be submitted by manufacturers)*

**MANUFACTURER'S AUTHORIZATION FORM**

No. \_\_\_\_\_ dated \_\_\_\_\_

To

The Managing Director

APMSIDC, Mangalagiri, Guntur.

Dear Sir,

Tender Notice No. \_\_\_\_\_

We \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_ having factories at \_\_\_\_\_ and \_\_\_\_\_ do hereby authorize M/s. \_\_\_\_\_ (Name and address of Agents) to bid, negotiate and conclude the contract with you against Tender Notice No. \_\_\_\_\_ for the above goods manufactured by us.

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 Notice.

We hereby declare that we are willing to provide guarantee/warranty and after sales service during the period of comprehensive warranty/CMC/AMC as per the above tender.

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

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract and read with the Clause 10 of Special Conditions of Contract, for the Goods offered for supply against this invitation for bid by the above firm.

Yours faithfully,

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

\_\_\_\_\_(Name of  
manufacturers)

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



**Section – XII -B**

**DELETED**

**Section – XII - C**

**DELETED**

### **SECTION - XIII**

#### **Declaration Form**

I / We ..... having Our  
..... office at ..... read and understood the  
terms and conditions contained in the bidding documents under this notification for bid and offer  
our bids unconditional, to the extent not stated at any other part of our bid.

We will not quote or supply the equipment/furniture similar to the ones offered under this  
bid notification to any agency or organization in the country, at the rate lower than the rate  
quoted in this present tender.

If we found quoting lower rate than the rate quoted to the APMSIDC, to any other agency  
in the country during the validity of the present contract, we will remit the differential cost to the  
APMSIDC, unconditionally.

Signature :

Date :

Name of the Firm and address :

## Section XIV

Check List of Documents to be Uploaded as part of the Bid and Notes to Bidders

### I. Documents with the Technical Bid

Sl. No	Document Description	Documents to be submitted
1	<b>Process Fee 29,500/-</b>	<b>Offline</b>
2	<b>EMD</b>	<b>Online &amp; Offline</b>
3	<b>Bid Form Section VII-A</b>	<b>Online &amp; Offline</b>
4	<b>List of items offered with Make and Model details without prices</b>	<b>Online &amp; Offline</b>
5	<b>Manufacturers Authorization, wherever required</b>	<b>Online &amp; Offline</b>
6	<b>Past Performance Details Format B1 along with supporting documents</b>	<b>Online &amp; Offline</b>
7	<b>End-User Certificates or CA Certificate as per Format B2</b>	<b>Online &amp; Offline</b>
8	<b>Financial Capability Details Format B3</b>	<b>Online &amp; Offline</b>
9	<b>Financial Capability Details Format B3-A</b>	<b>Online &amp; Offline</b>
10	<b>Details &amp; proof of After-Sales Service facilities</b>	<b>Online &amp; Offline</b>
11	<b>Letter of authorization to sign the bids</b>	<b>Online &amp; Offline</b>
12	<b>Clause-by-clause commentary on technical specifications</b>	<b>Online &amp; Offline</b>
13	<b>Technical and Commercial deviations statements</b>	<b>Online &amp; Offline</b>
14	<b>Copy of the GST Certificate and Details of IT Returns- PAN / TIN copies.</b>	<b>Online &amp; Offline</b>
15	<b>The Manufacturer, must have necessary quality certifications for both processes and products such as ISO 9001 (Quality Management System for Organization) and ISO 13485 (Quality Management System for Medical Devices).</b>	<b>Online &amp; Offline</b>
16	<b>Full Quality Assurance System Approval Certificate Management System Certification for Medical Devices and their equivalent International Standards certificates (BIS/ Notified CE/USFDA etc.)</b>	<b>Online &amp; Offline</b>
17	<b>Memorandum of Articles</b>	<b>Online &amp; Offline</b>
18	<b>All the uploaded Technical bid, to be attested by a Gazette Officer or properly notarized or self-attested</b>	<b>Online &amp; Offline</b>
19	<b>General information of the Bidder</b>	<b>Online &amp; Offline</b>
20	<b>Declaration form</b>	<b>Online &amp; Offline</b>
21	<b>DPIIT approval Certificate (If applicable)</b>	<b>Online &amp; Offline</b>

## II. Financial (Price) Bid in the format available with the e-procurement platform

	Sr. No.	Item	Quantity	Price										Total cost for 10 years
				Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
For spokes	1	MRI 1.5 Tesla with 3 years warranty	2											
	2	Construction cost (turnkey) for 1200 sq. ft.	2											
	3	Software and hardware required for teleradiology	2											
	4	CMC for 7 years for supplied MRI	1											
	5	CMC for 7 years for Software and hardware required for teleradiology/PACS	1											
	6	Buy back price of Old MRI Machine	1 + 1											
Total for all items														

- Note -

- 1. Bidder should submit breakup price for each item i.e., Equipment cost, CMC, turnkey (For 1200 sqft) for MRI. Further, the bidder should also submit each concur license cost and any additional software & hardware required.**
- 2. Bidder runs the risk of his bid being rejected if the price schedule contains any conditions.**
- 3. The format shall be filled and attached in the e-procurement platform in the price bid section**
- 4. L1 price will be decided on the total amount through reverse tendering process**
- 5. APMSIDC shall have the right to negotiate with lowest bidder**
- 6. No price bid information shall be provided in the technical proposal – in both hard copy as well as on e-procurement.**

#### Notes to Bidders

- 1. Upload the documents in ZIP format with suitable description as defined above.**
- 2. The scanned documents shall be legible failing which they will not be considered.**
- 3. Sign on all statements, documents, certificates uploaded owning responsibility for their correctness / authenticity.**
- 4. All the statements copies of the certificates, documents etc., enclosed to the Technical bid shall be given page numbers on the right corner of each certificate**
- 5. The tenderer is subjected to be blacklisted and the EMD forfeited if he is found to have mislead or furnished false information in the forms / statements / certificates submitted in proof of qualification requirements or record of performance (Please see Corrupt and Fraudulent Practices Clause)**
- 6. All the Bidders are requested to quote with single option only, for the each item offered and please note that bids with multiple options, for any one or all of the items offered, will be rejected by the purchaser as Non-responsive.**

**Annexure - I**

ANDHRA PRADESH MEDICAL SERVICES AND INFRASTRUCTURE  
DEVELOPMENT CORPORATION

(On Firm letter Head)

**INSTALLATION CERTIFICATE**

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

HOSP CODE/ Hospital Name:				
<b>Equipment Details</b>				
EQPT CODE/ Name of the equipment:		Purchase Order No:		
Make / Manufacturer		Purchase Order Date:		
Model		Purchase Amount		
Serial no.		Project Name		
Location / Department				
Installation Start Date		Completed Date.		
Comprehensive Warranty Start Date		Comprehensive Warranty End Date:		
<b>Preventive Maintenance Schedule (Specify Year &amp; Month)</b>				
YEAR	Visit 1	Visit 2	Visit 3	Visit 4
<b>Contact Details</b>				
SUP.CODE / Name of the Supplier				
Name of Service Engineer		Mobile No.		
Service Centre Manager's name		Mobile No.		
Service center address				
<b>Accessories supplied</b>				
Sl. No.	Item	Qty.	Serial No.	Remarks



To be filled by Institution				
Whether the sticker affixed on all the key components of the equipment or on a conspicuous place in the installed room/storage area?				YES / NO (tick one)
Whether a digital Photograph of the installed equipment taken after affixing the sticker in the presence of the hospital personnel?				YES / NO
Whether the Demonstration of the equipment with accessories on the technical specification/key features was conducted to the satisfaction at the time of installation?				YES / NO
Whether training was conducted to the satisfaction at the time of installation?				YES / NO
Short supply items, if any				
Remarks of hospital authorities				
Recommend to release payment YES <input type="checkbox"/> NO <input type="checkbox"/>		The equipment is working satisfactorily YES <input type="checkbox"/> NO <input type="checkbox"/>		
The equipment was installed and handed over on (Installation date to be filed in by the Head of the institution or by the end user)				
Name of Service Engr.		Sign.		
Name of End User & Department Mobile No.		Sign.		
Name of Bio Medical Engr. & Organization		Sign.		
Signature of the Superintendent. Mobile No.		Sign. & Seal		
Date: Seal of supplier:		Date: Hospital Seal:		

Note: The installation report shall be submitted in a single sheet printed back to back and shall be submitted individually for each equipment installed.

On Consignee letter Head

Dt: \_\_\_\_\_

**ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT  
CORPORATION (APMSIDC)**  
**THREE MONTHS PERFORMANCE CERTIFICATE**  
*(to be filed by the head of user institution individually for every equipment)*

HOSP CODE / Hospital Name:				
SUP.CODE / Name of the Supplier				
<b>Equipment Details</b>				
EQPT CODE /Name of the equipment:		Purchase Order No:		
Make / Manufacturer		Purchase Order Date:		
Model		Purchase Amount		
Serial no.		Project Name		
Date of Installation		Location / Department		
Whether Equipment working satisfactorily without any problem for one month?			YES <input type="checkbox"/> NO <input type="checkbox"/>	
If No, provide details of equipment failure in the first month <i>(attach additional details if any in a separate sheet)</i>				
<b>BREAK DOWN DETAILS</b>				
Break down Reported Date	Attended date	Rectified date	Attended by	Details of beak down / service
Present status of the equipment		Working satisfactorily <input type="checkbox"/> Not working satisfactorily <input type="checkbox"/>		
Recommended to settle the final payment		YES <input type="checkbox"/> NO <input type="checkbox"/>		
Recommend for trial run for one more month		YES <input type="checkbox"/> NO <input type="checkbox"/>		
Performance of accessories supplied				
Further Training		Required <input type="checkbox"/> Not required <input type="checkbox"/>		
Remarks of hospital authorities				

Three-month performance certificate was issued on <i>(date to be filed in by the Head of the institution or by the end user)</i>			
Name of End User & Department		Sign.	
Signature of the Superintendent.		Sign. & Seal	
Date: Seal of supplier:		Date: Hospital Seal :	

## Annexure -

## III

ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT  
CORPORATION (APMSIDC)

## WARRANTY CERTIFICATE

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

Date:

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

The equipment ..... *(Equipment Name)*

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

Sl. No	Name of the accessory	Manufacturer's name	Equipment Serial No.	Qty

Name of the Supplier:	Name of the Supdt. / End User:
Signature:	Signature:
Seal:	Seal:

**Annexure -  
IV**

**ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT  
CORPORATION (APMSIDC)**

**PREVENTIVE MAINTENANCE CHECK LIST**

Equipment Name.

Sl. No.	Activities carried out during Preventive Maintenance visit	Visit 1	Visit 2	Visit 3	Visit 4
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

**Annexure-V**

**ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT  
CORPORATION (APMSIDC)  
CALIBRATION CHECK LIST**

Equipment Name

Model.

Sl. No.	Parameters to be calibrated	Frequency of calibration required
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		

**Annexure-VI**

**ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT  
CORPORATION (APMSIDC)**

**List of Spare Part**

Equipment Name :

Make:

Model

Sl. No.	Spare name	Cost (inclusive of all charges)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		

**Signature :**

**Date :**

**Name of the  
Firm and address**

**Annexure-VII**

**ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT  
CORPORATION (APMSIDC)**

**GENERAL INFORMATION ABOUT THE TENDERER**

Name of the Tenderer

Registered address of  
the firm

State:

District

Telephone. No.

Fax. No.

Email.

3	Address			
	State		District	
	Telephone No.		Fax	
	Email		Website	

Type of Firm

Details of registration of companies.



**Annexure-VIII****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.	
2		Telephone No:	
		Fax No:	
		Email ID.	
		Name of the Service Engr.	
		Mobile No.	
3		Telephone No:	
		Fax No:	
		Email ID.	
		Name of the Service Engr.	
		Mobile No.	