



**GOVERNMENT OF ANDHRA PRADESH**

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

**TENDER DOCUMENT**

**FOR**

**Procurement and Supply of Linear Accelerator to GGH, Kadapa for a period of 1 year Rate Contract in A.P (e- Procurement) (Reverse Tender)**

**Tender Notice No. : 8.7B/APMSIDC/2023-24, Dt: 02.01.2024.**

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

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**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.  
e-mail:- [aphmhdc@gmail.com](mailto:aphmhdc@gmail.com) & [ed.apmsidc16@gmail.com](mailto:ed.apmsidc16@gmail.com)**

**Ph No: 8978644900**

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## INTRODUCTION

- 1.1. 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 equipments 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 centres, x-ray/scanning facilities.
- 1.2. 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.
- 1.3. In this tender, the lowest price is the sole criteria for selecting the equipment/supplier. The two-bid system, which is followed, has been designed to eliminate those equipments which do not match the technical specifications, or not having the proven technology and to eliminate firms that do not have the financial or technical capability to supply, install and maintain the equipments. i.e., to provide after sales support for a period of minimum 5 years from the date of installation and to ensure 98 % uptime in performance/operation of the equipment.
- 1.4. The payment to the successful tenders will be settled after obtaining a 'three month performance certificate' from the head of the user institution - three month period is a period of trail run- during which the performance of the equipments will be keenly observed. At the same time, it may be noted that the Corporation is not the agency finalizing the requirements of equipments and their technical specifications. These parameters are finalized by the user institutions and funding agencies and forwarded to the corporation for procurement. On our side, we ensure that the technical specifications are not biased towards a particular equipment/firm, through consultations during the pre-tender meetings with the prospective tenderers. Amendments in the terms

and conditions of the tender documents may be resorted to on the basis of expert advice to see that more than one firm qualifies for the final round. Technology specific specifications/conditions and entertaining direct purchase will be undertaken, if and only if, the user agency certifies the equipment required is of proprietary nature. Since the equipments procured are dealing with precious human life in government hospitals, depended by the poor and downtrodden of the society, it is our endeavor to ensure that most modern, but proven and durable equipments are procured and supplied. The tender documents are prepared after assessing the market to meet such objectives.

- 1.5. Every paisa spend by the corporation is public money and hence accountable. Therefore, after sales service and up-time guarantee on the performance of the equipment purchased by the Corporation have to be given paramount importance. Corporation will be dealing with defaulters in these fronts with a firm hand, which may lead to black listing and recovery of damages. We request our valuable suppliers to avoid such unpleasant situations.
- 1.6. It is also essential while dealing with public money that utmost transparency has to be maintained in the procurements of the corporation. All decisions will be published from time to time on our website [www.msfdc.ap.nic.in](http://www.msfdc.ap.nic.in). The corporation will not wait for the mandatory 30 days period to provide any information under Right to Information Act and will provide the information within the minimum possible time. The Corporation will uphold the fundamental "right to be heard" enshrined under the Constitution of India and will take harsh decisions only after providing opportunity for hearing/submission of facts. Tenderers could prefer appeal to the government against all decisions of the corporation.

## SECTION - I: INVITATION FOR BIDS (IFB)

### GOVERNMENT OF ANDHRA PRADESH

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

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**Tender Notice No. 8.7B/APMSIDC/2023-24, Dt: 02.01.2024.**

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 manufacturers/manufacturer subsidiaries /Authorized Distributors/ Dealers. The details of bidding conditions and other terms can be downloaded from the electronic procurement platform of Government of Andhra Pradesh i.e. <https://tender.apecurement.gov.in>.
2. Bidders would be required to register on the e-Procurement market place "www.eprocurement.gov.in" and submit their bids online. On registration with the e-Procurement market place 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 on line. The attested copies of all these uploaded documents of technical bid, signed undertaking of tenderer should be submitted off line 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. 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 online only.  
  
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 crossed Demand Draft/**Bank guarantee** drawn in favour of Managing Director, APMSIDC, 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.**

**e) “Complaint/s: Any complaints/representation regarding tender will be entertained only after depositing of Rs. 25,000/- in form of Demand Draft in the name of Managing director, APMSIDC, Mangalagiri, Guntur. Subsequently necessary action will be taken by the Managing Director and decision of Managing Director will be binding upon the complainant. If the complaint turns out to be false or invalid the amount will be forfeited. The amount shall be refunded if after scrutiny the complaint is found to be true. No further complaint/representation from the same complainant for the same tender will be entertained. If the complaint or allegation made is found to be false or baseless and without any valid point, the tender inviting authority in its discretion, can prevent / blacklist / declare ineligible, such bidder from participating in its procurement process, either indefinitely or for a stated period of time.”**

**5. Period of Delivery:** Installation & Delivery period 180 days from date of issuance of Supply Order/from the date of site hand over/Approval of AERB whichever is later. The delivery terms include the total time given for supply, installation, testing and training of staff.

*Time Limits prescribed*

Sl. No	Activity	Time Limit
5.1.1.	Installation & Delivery period	Installation & Delivery period <b>180</b> days from date of issuance of Supply Order/from the date of site hand over/Approval of AERB whichever is later. The delivery terms include the total time given for supply, installation, testing and training of staff.
5.1.2.	Comprehensive warranty period	as specified at section V schedule of requirements against each equipment.
5.1.3.	Frequency of visits to all User Institution concerned during Warranty	One visit every Six months (2 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.
5.1.4	Submission of Performance Security and entering into contract	15 days from the date of issuance of Supply Order
5.1.5	Payment Installments of Price of equipments and ratio	Four Installments and in the ratio <b>10:70:10:10</b>
5.1.6	Time for making payments by Tender Inviting Authority	Within 60 days from the date of submission of proper documents

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

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

**7. Details of Tender Process:**

1.	Downloading of documents	from 13-03-2024 to 27-03-2024 up to 02.59 PM
2.	Queries up to	18-03-2024 @ 11.00 A.M
3.	Due date for Receipt of tenders	27-03-2024 up to 03.00 P.M
4.	Time and date of opening of technical Bids	27-03-2024 @ 03.01 PM
5.	Time and date of opening of financial bids	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. **8645-246370 / 71 / 72 / 73 / 74**

**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 market place.
- 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 or self attested.
- 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 for a period of 3 years**, 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 dealing with the defaulters with firm hand, which may lead to blacklisting for a specified period in addition to levying penalties.
- 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. Further:
  - If one item of any Supplier is found of 'Sub-Standard Quality' during the Contract period, then that particular item will be blacklisted for a period of (3) three years immediately succeeding the Contract year
  - If two items of any Supplier are found of 'Sub-standard Quality' during the Contract period, then Supplier will be blacklisted for a period of (3) three years immediately succeeding the Contract year
- 9.3 The Corporation will blacklist the Supplier, who is declared as 'Undependable for two (2) items or in two (2) instances during the Contract period, for a period of one year immediately succeeding the Contract year apart from taking other penal actions under the Contract.
- 9.4 The decision of the Managing Director, APMSIDC, or any officer authorized by him in respect of the quality of the supplied Equipment and other goods etc., shall be final and binding.
- 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.



## **10.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) Reverse tendering duration: The duration of the reverse tendering is 3 Hours. All bidders are required to submit their online bids during this period.
  - vi) 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.
  - vii) After the completion of reverse tendering, the system will calculate the total price of the bid.

## SECTION - II : INSTRUCTIONS TO BIDDERS

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## **A. Introduction**

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

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

### **2. Eligible Bidder**

2.1 This invitation for Bids is open to all Manufacturers or their authorized distributors, 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.

## **B. 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. The purchaser will respond in writing to any request for clarification of the Bidding documents if the same is received in the first week of the tender notice prescribed by the purchaser. Written copies of the purchaser's response (including an explanation of the query but without identifying the source or inquiry) will be sent to all prospective bidders which have received the bidding documents.

### **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.

## **C. 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 **4 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 Duties & 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).

(b) that, in the case of bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized (as per authorization form in section XII b) by the goods manufacturer or producer to supply the goods in India.

(i) the legal status, place of registration and principle place of business of the company or firm or partnership etc.

(ii) Details of experience and past performance of the bidder on specified item offered in the bid 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 Certificate and Details of IT Returns- 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 online only.

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 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 unammended printed literature, shall be initialed by the person or persons signing the bid.
- 17.2 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.



## **D. 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 due 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, 2<sup>nd</sup> 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 03.00 P.M Hrs on 27-03-2024". 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

## **E. Bid Opening and Evaluation**

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

- 22.1 The Purchaser/or his authorized representative will download the technical bids on **27-03-2024** 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.

24.7 Purchaser and/or Authorized representative of purchaser can do inspection of manufacturing site/Assessment of manufacturing capacity

24.8 In case of any discrepancy in documents submitted by the vendor purchase can ask to produce the original copy of the same

24.9 The Preliminary Evaluations of the bidders are kept available at APMSIDC website <http://msidc.ap.nic.in>

**25. Deleted.**

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

26.1 The Purchaser will evaluate and compare bids previously determined to be substantially responsive, pursuant to clause 24 for each schedule separately.

26.2 The purchasers evaluation of a bid will take into account; in addition to the bid price (ex-factory/ex-warehouse/off-the-shelf price of the goods offered from within India, such price to include all costs as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods, on the finished goods and cost of incidental services required. The following costs to the extent specified:

- a. cost of inland transportation, insurance and other costs within India incidental to the delivery of goods to their final destination;
- b. The comprehensive annual maintenance charges (inclusive of four Preventive Maintenance visits and all distress calls in a year and costs of all spares required during the repairs) for a period mentioned against equipment at section V- (Schedule of requirements) subsequent to free guarantee maintenance period mentioned against equipment at section V- (Schedule of requirements).
- c. the availability in India (Preferably in Andhra Pradesh) of spare parts and after-sales services for the equipment offered in the bid. To this extent the bidders shall give:

- An undertaking for the uninterrupted supply of adequate spares for at least a period of 10 years shall be furnished.
- An Undertaking Availability/ establishment of after sales service facility at least in (1) region of Andhra Pradesh to ensure uninterrupted after sales service during warranty 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.

## **F. 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, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

### **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 cable or telex, 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 a 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 for award 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**

### **TABLE OF CLAUSES**

<b><u>Clause Number</u></b>	<b><u>Topic</u></b>
1.	Definitions
2.	Application
3.	Country of Origin
4.	Standards
5.	Use of contract Documents and Information
6.	Patent Rights
7.	Performance Security
8.	Inspection and Tests
9.	Packing.
10.	Delivery and Documents
11.	Insurance
12.	Transportation
13.	Incidental services
14.	Spare Parts
15.	Warranty
16.	Payment
17.	Prices
18.	Change Orders
19.	Contract Amendments
20.	Assignment
21.	Subcontracts
22.	Delays in suppliers Performance
23.	Liquidated Damages
24.	Termination for Default
25.	Force Majeure
26.	Termination for Insolvency
27.	Termination for convenience
28.	Resolution of Disputes
29.	Governing Languages
30.	Applicable Law.
31.	Notices
32.	Taxes and Duties.

### **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 Schedule of Requirements
- (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: To be mentioned.**

## **4. Standards**

- 4.1 The Goods supplied under this contract shall conform to the standards mentioned in the Technical specifications and when no applicable standard is mentioned the authoritative standard appropriate to the goods country of origin shall 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, 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/**Bank guarantee** in favour of Managing Director, APMSIDC, 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 4 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 4 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**

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 10 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:**

14.1 As specified in the special conditions of contract, the supplier may be required to provide the following materials and notifications pertaining to spare parts **manufacturer:**

- (a) Such of spare parts as the purchaser may select to purchase from the supplier providing that this selection shall not relieve the supplier of any warranty obligations under the contract and
- (b) In the event of **declaration** of production of the spare parts;
  - (i) **advance notification to the purchaser of the pending termination in sufficient time to permit the purchaser to procure needed, recommended requirements: and**
  - (ii) **Following such termination: Spares list and catalogues to include drawings of such spares be provided, if not become part of initial supply.**

#### **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 as specified at section V schedule of requirements against each equipment 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 purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, with all reasonable speed, 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.
- 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 clause 5.1.3** (section-I of IFB) 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 within sixty (60) days of 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) drawings, designs or specifications, where goods to be furnishing under the contract are to be specifically manufactured for the purchaser;
- (b) the method of shipping or packing;
- (c) the place of delivery; or
- (d) the services to be provided by the supplier;

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 an 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 purchasers prior written consent.

## **21. Sub-contracts**

21.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under the contract if not already specified in his bid. Such notification, in his

original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

## **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 unexcused 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 or its subcontractor (s) 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 purchasers 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 Hyderabad

## **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 Duties, sales and other taxes that the bidder will have to pay for the performance of this contract, at the prevailing rates applicable as of bid date, notified by the Government. The purchaser will perform such duties in regard to the deduction of such taxes at source as per applicable law. Any change in Duties and taxes during execution of contract from that of the bid date will be increased / decreased in the pricing as the case may be the Statute in respect of Duties & taxes.**

## **SECTION - IV: SPECIAL CONDITIONS OF CONTRACT**

### **TABLE OF CLAUSES**

(The corresponding clause number of the General condition is in parenthesis)

<b><u>Item. No.</u></b>	<b><u>Topic.</u></b>
2.	Definitions (Clause - 1)
3.	Country of Origin (Clause -3)
4.	Performance security (Clause 7)
5.	Inspection and Tests (Clause 8)
6.	Packing (Clause-9)
7.	Delivery and Documents (Clause 10)
8.	Insurance (Clause 11)
9.	Incidental services (Clauses 13)
10.	Spare Parts (Clause 14)
11.	Warranty (Clause 15)
12.	Payment (Clause 16)
13.	Prices (Clause 17)
14.	sub-contracts (Clause 21)
15.	Liquidated Damages (Clauses 23)
16.	Resolution of Disputes (Clauses 28)
17.	Notices (Clauses 31)
18.	Comprehensive Maintenance Contract
19.	Actions against Misconduct of the Supplier
20.	Progress of Supplies

## **Section IV: Special Conditions of the Contract**

1. 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, Mangalagiri, Guntur.

(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, 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 7 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 representative 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.

5.3 However, on arrival of the equipments at destinations, the purchaser or its representative shall have the right to inspect and/or test any or all the equipments 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 purchaser's 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/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 upto 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.

## **Warranty (Clause 15)**

- 11.1 In partial modification of the provisions, the warranty period shall be as specified at section V schedule of requirements against each equipment, 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 days, 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 guarantees of 95% shall be maintained out of total usage period of the equipment by the end users during the warranty 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) 10% mobilization advance against the Performance security 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.
  - b) 70% 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) 10% 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.
  - d) 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 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)**

Add at the end of sub-clause 21.1 of the GCC the following. "Sub-contract shall be only for bought-out items and sub-assemblies".

### **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 days for local items and 7 days of placement of order for imported items and repair the equipment to the satisfaction of the Purchaser or the End User. Failing which the Purchaser has a right extend the contract by double the excess repair time, 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 thereunder 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: The Managing Director, APMSIDC, 2<sup>nd</sup> 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 4 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.
- b) The supplier shall under take at least one half-yearly preventive maintenance visit and attend to all the break down calls during the

year. The payment for the maintenance services will be made at the end of each half-year, upon submission of necessary service reports signed by the end-users.

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

- 19.1 A Supplier found being supplied similar items with similar tender conditions to any other agency in the country during the validity of the contract 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 contract.
- 19.2 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.
- 19.3 If the bidder fails to demonstrate any of the products quoted and their features, 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 further the purchaser reserves the right of more severe actions in the event if any such shortfall is found after supply.**

## **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

Sl. No	Item Name	Qty	Warranty (in Years)	EMD (in Rs.)	Average Annual turnover of the Authorized Bidder in the last three years i.e. 2020-21, 2021-22 and 2022-23
1	Linear Accelerator	1	5	20,00,000 (20 Lakhs)	20,00,00,000 (20 Cr)
2	CMC for 7 years				
3	Turnkey 1000 Sq.ft		-		

**Processing fee:** The participating bidders will have to pay tender processing fee (non-refundable) of **Rs. 29,500/-** in the form of Online only.

1. To allow the authorized distributors duly obtaining an agreement/ MOU from the Manufacturer for binding on Post Supply Services i.e. Warranty, CMC, AMC etc., and on agreement executed by the authorized distributor with the Corporation. Further an undertaking from Manufacturer to take responsibility in case of authorized distributor's failure in performing the Contractual Obligations also may be obtained. Proforma will be provided.
2. EMD shall be furnished in the form of Demand Draft/BG/Online drawn in favour of Managing Director, APMSIDC, Guntur.

**Note:**

1. Bidders who are having any pending court cases / legal disputes against the APMSIDC before any court of law / authority, are not eligible to participate in the tender. In this regard If any ambiguity arise, the decision of tender inviting authority (APMSIDC) is final.
2. Consortium bidding is allowed.

## **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 (10) years operations shall be attached with the Bid
4. (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%.
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 Hyderabad and Andhra Pradesh 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.
- 10 a) 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) Full Quality Assurance System Approval certificate Management System Certification for Medical Devices and their equivalent International Standards certificates as BIS/ CE/USFDA etc.
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.

**Note:**

- 1. The bidder should submit the details of spares which are covered or not covered under warranty.**
- 2. The destination details are provided at the time of issue of purchase order.**
- 3. Quantity may be vary for 200% if required. If required the successful should supply equipment to any Govt. Hospital in the state of Andhra Pradesh.**

**SECTION – VI**

## PRE - QUALIFICATION CRITERIA

(Referred to in clause 13.3 of ITB)

### I. Terms of Qualification for Equipment:

The Authorized Distributor or manufacturer should have supplied similar equipment as specified in the schedule of requirements to any Indian Institutions, up to the following quantity in any one of the last three financial years and completed the supplies within the stipulated delivery period. The Supplied units should be in working condition without any adverse remarks for the last two years as on the date of bid notification.

- (a). at least equal of the quantity offered or 25, whichever is lowest, if the tender quantity is  $\leq 49$  (or)
- (b). at least 50% of the quantity offered or 70, whichever is lowest, if the tender quantity is between 50 and 199
- (c). at least 35% of the quantity offered or 125, whichever is lowest, if the tender quantity is between 200 and 499
- (d). at least 25% of the quantity offered, if the tender quantity is  $> 500$

- 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

- **Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate Section XI. The documentary proof will be a certificate from the consignee/end user with cross-reference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished.**

- 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

- 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.

- 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

- a) 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) Full Quality Assurance System Approval certificate Management System Certification for Medical Devices and their equivalent International Standards certificates as BIS/CE/USFDA etc.

## 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 black-list 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 black-list 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.
7. **In past performance documents related to Trading will not be considered**

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

- III. 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  
The Managing Director,  
APMSIDC, Mangalagiri, Guntur.

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

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 **180** (Number) days and to complete delivery of all the items and perform incidental services as specified in the contract within **180** (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 90 (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. (P) | <https://tenders.approcurement.gov.in/ViewItemFormatX.html#>

Current Tender Details

Tender ID: 1230	IFB Number / Tender Notice Number: 1.1/45MSDC/2016-17, Dated: 07.05.2016
Tender Category: PRODUCTS	Tender Evaluation Type: Dem. Item
Tender Type: QOT	Estimated Contract Value: 0
Tender Opening Date: 17/05/2016 05:15 PM	Bid Submission Closing Date: 01/06/2016 05:15 PM

Schedule Details

Schedule Name: Miscellaneous	Schedule Description: Di/Wasat items
------------------------------	--------------------------------------

Item Details

Item Code: Surg201	Item Name: GRAM STAINING KIT
Item Description: As per tender documents	Item Specification: As per tender documents

Add / Edit Cost Component Details

ID	Component Name	Type	Percentage / Amount
E001	CST	--SELECT--	
E002	Customs Duty	--SELECT--	
E003	Discount	--SELECT--	
E004	Entry Tax	--SELECT--	
E005	Excise Duty Including Cess	--SELECT--	
E006	Freight Charges	--SELECT--	
E007	Insurance Charges	--SELECT--	
E008	Other Charges if any	--SELECT--	
E009	Packaging & Forwarding Charges	--SELECT--	
E010	VAT	--SELECT--	

Remarks

Total IIT Quantity	Offered 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 – 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.

<b>SL NO.</b>	<b>BRIEF DESCRIPTION TO GOODS &amp; SERVICES</b>	<b>QUANTITY TO BE SUPPLIED</b>	<b>UNIT PRICE</b>	<b>DELIVERY TERMS</b>


**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 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**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SECTION XI**

**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/Authorized Distributor**” 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(CA):**

**Designation:**

**Name of firm:**

**(Signature of the Authorized Signatory)**

**Seal of the Firm**

## SECTION XI

### B3- FINANCIAL CAPACITY OF THE MANUFACTURER

A. Details of Annual Turnover for Preceding 3 Years.

	Year 1 (2020-21)	Year 2 (2021-22)	Year 3 (2022-23)	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 2023)
Paid up Capital (Rs. Cr)	
(Add) Free Reserves (Rs. Cr)	
Total Net Worth (Rs. Cr)	
<hr/> <b>(Signature of Bid Signatory)</b> <b>Seal of the Firm</b>	
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	
<b>Name of Authorized Signatory(CA):</b>	
Designation:	
Name of firm:	
(Signature of the Authorized Signatory) Seal of the Firm	

**SECTION XI**

**B3-A FINANCIAL CAPACITY OF THE DISTRIBUTOR**

A. Details of Annual Turnover for Preceding 3 Years.

	Year 1 (2020-21)	Year 2 (2021-22)	Year 3 (2022-23)	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 2023)
Paid up Capital (Rs. Cr)	
(Add) Free Reserves (Rs. Cr)	
Total Net Worth (Rs. Cr)	
<hr/> <b>(Signature of Bid Signatory)</b> <b>Seal of the Firm</b>	
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	
<b>Name of Authorized Signatory(CA):</b>	
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 equipments 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**

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

(to be submitted by Authorized Distributors)

**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 also hereby undertake to provide full guarantee/warranty/CMC/AMC as agreed by the tenderer in the event the tenderer is changed as the dealers or the tenderer fails to provide satisfactory after sales and service during such period of comprehensive warranty/CMC/AMC and to supply all the spares/reagents during the said period.

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

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 - 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	Process Fee 29,500/-	Online
2	EMD - 20,00,000/-	Online & Offline
3	Bid Form Section VII-A	Online & Offline
4	List of items offered with Make and Model details without prices	Online & Offline
5	Manufacturers Authorization	Online & Offline
6	Past Performance Details Format B1 along with supporting documents	Online & Offline
7	End-User Certificates or CA Certificate as per Format B2	Online & Offline
8	Financial Capability Details Format B3 for Manufacturer	Online & Offline
9	Financial Capability Details Format B3-A Distributor	Online & Offline
10	Details and proof of After-Sales Service facilities	Online & Offline
11	Letter of authorization to sign the bids	Online & Offline
12	Clause-by-clause commentary on technical specifications	Online & Offline
13	Technical and Commercial deviations statements	Online & Offline
14	Copy of the GST Certificate and Details of IT Returns- (Last 3 years), PAN and GST copies.	Online & Offline
15	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)	Online & Offline
16	Full Quality Assurance System Approval Certificate Management System Certification for Medical Devices and their equivalent International Standards certificates (BIS/CE/USFDA etc)	Online & Offline
17	Memorandum of Articles	Online & Offline
18	All the uploaded Technical bid, to be attested by a Gazette Officer or properly notarized or self attested	Online & Offline
19	General Information about the tenderer	Online & Offline
20	Declaration form	Online & Offline
21	DPIIT certificate (If applicable)	Online & Offline

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

- Please note that the Bidder runs the risk of his bid being rejected if the price schedule contains any conditions.

### **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.

(On Firm letter Head)

Annexure - I

ANDHRA PRADESH MEDICAL SERVICES CORPORATION LTD

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:				
Equipment Details				
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:		
Preventive Maintenance Schedule (Specify Year & Month)				
YEAR	Visit 1	Visit 2	Visit 3	Visit 4
Contact Details				
SUP.CODE / Name of the Supplier				
Name of Service Engineer		Mobile No.		
Service Centre Manager's name		Mobile No.		
Service center address				
Accessories supplied				
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 <i>(Installation date to be filled in by the Head of the institution or by the end user)</i>			
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				
Equipment Details				
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 (attach additional details if any in a separate sheet)				
BREAK DOWN DETAILS				
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 (date to be filed in by the Head of the institution or by the end user)				
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: Signature: Seal:	Name of the Supdt. / End User: Signature: Seal:
--	---



**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 ( Please  relevant box)

4	Private Ltd.	<input type="checkbox"/>	Public Ltd.	<input type="checkbox"/>	Proprietorship	<input type="checkbox"/>
	Partnership	<input type="checkbox"/>	Society	<input type="checkbox"/>	Others, specify	<input type="checkbox"/>
	Registration No. & Date of Registration.					
	Nature of Bussiness (			-lease <input type="checkbox"/> relevant box)		
5	Original Equipment Manufacturer	<input type="checkbox"/>	Authorized Dealer /Representative	<input type="checkbox"/>		
	Direct Importer	<input type="checkbox"/>	Others, specify.	<input type="checkbox"/>		

### 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.	

# Technical Specifications

	<p><b>A advanced Linear Accelerator for IMRT, IGRT and VMAT Applications with .</b></p> <p><b>The latest state-of-the-art Clinical Linear accelerator machine capable of delivering advanced high precision machine with the capability to deliver the following:</b></p> <ul style="list-style-type: none"> <li><b>.Intensity Modulated Radiation Therapy</b></li> <li><b>.Volumetric Arc Therapy (VMAT/Rapid Arc)</b></li> <li><b>.Image Guided Radiation therapy (IGRT)</b></li> <li><b>.3 -D field Radiation therapy</b></li> </ul> <p><b>High quality radiotherapy machine that should provide an absolutely collision proof gantry design. While delivering high throughput. It is desirable that the radiotherapy unit will provide high quality plans with Operational Ease &amp; Safety, Automation, and high throughput is essential. It should also provide -</b></p> <ul style="list-style-type: none"> <li><b>.Simplified User interface</b></li> <li><b>.A location specific design that reduces the environmental requirements</b></li> <li><b>.S upports the Departmental Quality Assurance processes</b></li> <li><b>.Imaging / Treatment planning integration</b></li> <li><b>.D ata integrity and workflow support"</b></li> </ul>
<b>Sr No.</b>	<b><u>DETAILED TECHNICAL SPECIFICATIONS</u></b>
<b>1</b>	<b><u>Beam Characteristics:-</u></b>
1.1.	Photon Beam Energy: 6 MV FFF/ 6MV or more energies
	Electron Energy:Minimum 3 energies 4-15 MeV
1.2.	Beam Geometry: Cone beam / Tan beam. Please specify
1.3.	Dose Rate: Minimum 600 MU/min at Target-to-Gantry Axis Distance (TAD) or at Normal Treatment Distance (NTD). Higher dose rates desirable. Please specify the nominal dose rate available.
1.4.	Depth of Dmax: Please specify details
<b>2</b>	<b><u>Delivery System:-</u></b>
2.1.	Gantry Design: Ring Gantry / C-Arm
2.2	In-built Primary-Beam Shielding System: Please specify if any
2.3	Scale convention: IEC scale should be followed.
2.4	Gantry/target rotation around Isocentre:- Please specify
2.5	Gantry/target rotational speed in Rotations Per Minute (RPM): Please specify.
2.6	Mechanical Isocentre stability: Please specify
2.7	RF Source: Please specify.
2.8	Waveguide: Please specify
2.9	Daily machine performance check: A daily machine performance checks to verify that all mechanical axes remain within product specifications should be available.

2.1	Collison Detection system: This system to prevent patients bumping into the wall of the bore/gantry during treatment / imaging should be available.
2.1 1	Laser system:- please specify
<b>3</b>	<b>Treatment Delivery Console:-</b>
3.1.	Two integrated positioning/Motion control panels should be provided on either side of the gantry/couch
3.2.	Treatment console workstation should be as comprehensive as possible and it should be possible to import treatment plans from the server through DICOM networks.Please specify all functions
<b>4</b>	<b>Beam Shaping specifications:-</b>
4.1.	Field Size: - Please specify Min to Max
4.2	MLC: Integrated MLC capable of delivering highly conformal dose distribution for treatments at different sites. Please specify the MLC design & configuration
4.3	Resolution at TAD/Isocentre plane: . Please specify.
4.4	Leaf speed:
4.5	MLC leaves: Please specify and describe in details
4.6	Leaf over travel: Please specify
4.7	Position accuracy: $\pm 1$ mm



4.8	Leaf interdigitating: Should be possible
4.9	<b>Leaf width at isocentre <math>\leq 10</math> mm</b>
4.10	Leaf transmission: please specify
<b>5</b>	<b><u>Treatment Capabilities:</u></b>
5.1	Rotational IMRT or VMAT
5.2	Non-rotational IMRT from select beam orientations
5.3	Fixed beam 3D CRT
5.4	IMRT/VMAT delivery:- Please specify
<b>6</b>	<b><u>Couch Specifications</u></b>
6.1	Motor-controlled, Indexed metal-free couch top composed of carbon fiber
6.2	Patient load capacity: Minimum 200 kg. Please specify.
6.3	Treatable length: Minimum 100 cm. Please specify.
6.4	Movements: Please specify the couch movements - directions with range
6.5	Sub-millimeter positioning accuracy in point-to-point and translational movements.
6.6	Couch Sag if any - Please specify
6.7	Scale convention (IEC or other): Please specify
6.8	Manual retraction of couch: In case of power failure
6.9	Couch motion to be controlled from panels on the gantry and/or keypads located on either side of the couch. The position of such keypads should not hinder patient transfers from stretcher beds.
<b>7</b>	<b><u>Imaging Specifications</u></b>
7.1	<b>Latest high resolution digital portal imaging system/kV Imaging Technology - please specify</b>
7.2	Image resolution: please specify- higher is preferable
7.3	Field of view – please specify FOV
7.4	Capable of cone beam MVCBCT/ KVCBCT with image reconstructions.
7.5	3D MVCBCT / KVCBCT and planning CT (CT-Simulator images) matching should be possible
7.6	Imaging dose: Should be minimum. Please specify.
7.7	<p>EPID based patient specific plan verification QA tool with analysis software should be provided also suitable for FFF. It should also ensure the electronic storage of both predicted fluence and actual fluence.</p> <p>All the results should be stored in patients file along with all other patient data in a single place and should readily be available for reference at any given time. Necessary licenses, hardware and software to be provided. Portal dosimetry should be integrated in treatment planning system. <b>(Equivalent Technologies are also Accepted)</b></p>
<b>8</b>	<b><u>Treatment Planning System</u></b>

8.1	An advanced, FDA approved, top-end 3-dimensional treatment planning system (3D TPS) that supports multiple dose calculation algorithms such as Monte-Carlo, anisotropy analytical algorithm, Collapsed Cone Beam algorithm, convolution superposition algorithm should be supplied. At least two calculation algorithms for photons shall be quoted. The TPS software shall run on a very powerful, graphics intensive computer system with adequate, latest backup technology. The system shall have high capacity hard disks and a DVD writer. The TPS and Contouring Systems should have the facility to do the "off-Line review and CBCT and Planning CT registration and analysis for Offline Adaptive Radiotherapy.
8.2	Quantity
8.2.1	Two Advanced Treatment Planning Systems with permanent licenses for all features supplied with LINAC
8.2.2	Two contouring stations with permanent licenses for the features
8.3	Capabilities
8.3.1	Inverse ( IMRT & Rapidarc) Optimization & Conformal Planning
8.3.2	Advanced Optimization algorithm for IMRT, VMAT planning 3DCRT , fixed beam IMRT, rotational IMRT/VMAT,
8.3.4	Biological optimization & Biological Evaluation solutions (EUD, TCP, NTCP etc). PI specify in details
8.3.5	CT, MRI, PET, DSA image registrations & fusion, virtual simulation, auto segmentation, deformable image registration
8.4	Calculation Algorithm: Photons – Any one of AAA or CCC or Monte carlo or equivalent – Please specify
8.5	Software: The TPS software must be capable of performing 3D-CRT, intensity modulated radiotherapy (IMRT) and VMAT treatment planning for coplanar beams in the same system and capable of performing both forward and inverse planning with adaptability for future upgradation. The following software and tools should be available in the TPS:
8.6	For IMRT planning, the system must support both fixed gantry angle static (step-and-shoot) or dynamic (sliding window) IMRT techniques and rotational IMRT or VMAT techniques.
8.7	Synchronous IMRT optimization with respect to existing plan dose.
8.8	<del>If IMRT is delivered as a boost dose after delivery of partial treatment by conventional 3D-CRT plan, then it must be possible to incorporate the delivered plan at the time of IMRT treatment planning for the most optimal optimization.</del>
8.9	Automatic image registration between different image sets (CT/MRI/PET image fusion) should be offered as a standard feature. Copy Structures to registered image
8.10	User selectable number of intensity levels
8.11	Dose may be computed at a user-specified depth in a flat-water phantom for QA check of optimized plan. Ability to run IMRT plans on phantoms to create digital composite files for film comparison. Fluence export license should be provided.
8.12	QA data generation tools per beam and per plan

8.13	IMRT QA tools- Integrated Portal Dose Calculation & Dosimetry Review should be provided. Please specify details
8.14	Beam parameters from an optimized plan may be transferred to a user-defined QA phantom.
8.15	Dose QA export to IMRT plan verification software
8.16	Intensity map BEV display
8.17	DRR with widest MLC position of segments
<b>9</b>	<b>Planning and contouring software:</b>
9.1	Contouring tool to provide 3D auto margin and 3D variable margin
9.2	Automatically create margins in all six directions
9.3	Edit/ draw all contours, contour names, CT densities and colour
9.4	Continuous trace, point-to-point and auto contour via MR or CT threshold/PET(SUV)
9.5	Automatic contouring of body structures for any given body volume.
9.6	Contour on primary image study (CT), secondary image study (MRI and PET) or fusion images
9.7	CT, MRI, PET Image fusion tools. Image imports through DICOM.
9.8	Tool to match MRI, CT and PET images using reference points
9.9	Outline tumour volumes and critical structures on transverse, visualize on sagittal and coronal planes including real-time 3D visualization
9.10	Contour interpolation
9.11	Asymmetric stretch and resize
9.12	Tools for asymmetric field settings and planning
9.13	Rapid copy to superior or inferior slice
9.14	Virtual fluoroscopy isocenter placement from AP and lateral DRRs
9.15	Auto computation of isocenter from target volume.
9.16	Editing of origin placement in the reference slice and computation of isocenter with reference to origin
9.17	Should calculate each phase of treatment plan independently and as a composite plan
9.18	Spyglass tool for using image fusion feature.
9.19	Dose and marker point definition
9.20	Export of isocenter coordinates with reference to origin to Laser control system
9.21	The system should support multi- Vendor laser marking software
9.22	Pre-defined structure templates should be available that can be used for all types of treatment
9.23	Must be able to add / subtract pre-defined organs and/ or parts of organs for defining areas of interest.
9.24	Should be possible to display the calculated dose on sagittal, coronal and arbitrary planes and on MRI, PET and fusion images
9.25	Should support addition of bolus of different thicknesses
9.26	Should be fully integrated with the record and verify system
<b>10</b>	<b>Imaging tools:</b>
10.1	Real time high resolution DRRs
10.2	Adjustable W/L presets for primary, secondary and DRR images
10.3	The DRR generation methods should include normal summed, MIP and volume rendered (for soft tissue / bone weighted DRRs)

10.4	Tool to perform plan dose summation or subtraction, side-by-side plan comparison and plan comparison using DVH
10.5	Facility to copy opposing fields including MLC, blocks and wedges (mirrored)
10.6	Interactive BEV with DRR controls
10.7	Mouse and/or keyboard driven gantry, collimator and couch positions
10.8	Mouse and digitizer contour entry
10.9	Multi-structure / multi-slice autocontouring
10.10	Slice-to-slice contour duplication and interpolation
10.11	Variable 3D automargin generation
10.12	Auto conformation of blocks or MLC to targets with gantry, collimator and table adjustments
<b>11</b>	<b>Utilities:</b>
11.1	Template plan storage / recall including graphics layout
11.2	Single / dual asymmetric jaws
11.3	Relative dose, absolute dose or MU weighting
11.4	Bolus
11.5	3D Room's eye view with real time rotation of wire frame, solid and transparent structures and dose clouds
11.6	Transverse, sagittal, coronal and oblique views with/ without CT
11.7	BEV with variable content display
11.8	Export of DRR in DICOM secondary capture format
11.9	Real time display of doses on sagittal, coronal and arbitrary planes
11.10	Global hot spots display
11.11	MU/time calculation for both photons and electrons
11.12	Dose profile generator

11.1 3	DVH: differential and cumulative with multi-plan comparison.
<b>12</b>	<b><u>Networking and R&amp;V systems</u></b>
12.1	Advanced OIS platform should be quoted and supplied
12.2	Offered OIS to be seamlessly communicate with the existing hospital oncology information system
12.3	Should be networked / integrated with CT-SIM, Oncology Information / R&V system offered in this tender for image imports and also with the existing simulator and LINAC in the department using high speed network cables (category 6 or above).
12.4	Necessary permanent licenses for all DICOM activities should be included in the offer.
12.5	There has to be a seamless connectivity between different systems for successful implementation of IMRT / IGRT program and the responsibility for establishing such integrated networking between different equipment / system shall lie with the LINAC supplier.
12.6	DICOM RT (Structure and Plan) export to all treatment units
12.7	DICOM import through network from Imaging (CT, MRI, PET, SIMULATOR, CT-SIM) and contouring systems
12.8	CT/MRI/PET software interface with the existing units in the hospital (Details in Annexure C)
12.9	CT interface via CD/DVD
12.1 0	RTOG DICOM export
12.1 1	DICOM Print
12.1 2	Export of coordinates of reference points of planned isocenter during virtual simulation and back up of all patient data / plans and images from the server to an external memory device to be provided.
12.1 3	Comprehensive Antivirus software for linac, TPS and networking for 10 years
<b>13</b>	<b><u>Servers and remote servicing</u></b>
13.1	If the quoted TPS, Contour workstation, control console systems work on Server-client model, then this all the networking between the server and client workstations should be seamlessly integrated and all necessary licences should be supplied.
13.2	Possibility of remote servicing of all Servers and client stations should be provided
13.3	It is highly desirable to integrate / made to have seamless connection / integration with the existing Varian server.
13.4	Necessary backup solution for data archiving should be given
<b>14</b>	<b><u>Dosimetry Equipments</u></b>
14.1	3D Radiation Field Analyzer with comprehensive detectors (Ion chambers & diodes), electrometers, cables (>20 m), water reservoir with two way motor, software including all features related to RFA & Film dosimetry , hardware along with laptop. Please specify
14.2	Universal Electrometer with digital display, for absolute doismetry with compatible connectors. Please specify

14.3	Detectors [waterproof]: • Ion chambers (0.6 cc) (Qty:2) Graphite with build up cap for 6 MV FFF energy (plz specify), • small volume ion chambers (0.125cc) - Qty: 2(plz specify). *Unshielded diode detector for small field dosimetry (plz specify) • Ion chamber for small field dosimetry( $\leq 0.01$ cc) (Qty:1)
14.4	Detector holders for Radiation Field Analyzer:• Please provide the holders for all above detectors .All the connectors for chambers,ELECTROMETERS and cables should be of BNC type.
14.5	1 set of TNC to BNC converter both male and female.
14.6	Universal Dosimetry Cables: • compatible with all the above detectors, electrometer & Radiation field analyzer: length $\geq 20$ m (Qty:2)
14.7	one Flatbed latest Scanner ( for Film dosimetry),Films: 2 boxes (8 X10 inch Gafchromic films ), 1 boxes (14 X 17 inch Gafchromic films ).
14.8	Daily QA Device capable to measure Beam energy, Output , Beam Flatness & Symmetry etc both for FF &FFF compatible (Qty:1)
14.9	1D imported motorized Water phantom with compatible softwares for absolute dosimetry with all holders for above mentioned chambers (Qty:1)
14.10	Survey meter (Pressurised ion chamber based)(Qty 2)
<b>15</b>	<b>Patient specific QA,Machine performance check, &amp; Quality Assurance system: Please specify</b>
15.1	Stand alone advance Volumetric dosimetry system with high resolution detectors for Patient specific fluence/dose verification for SRT/SBRT/VMAT [compatible for flattened and un-flattened beams]: • Detector type, array & Geometry – please specify: (IC) • Spatial resolution: please specify • Analysis Software with 3D dose overlay on patient CT images: please specify • Dosimetry & Interface cables: Please specify • Buildup material: please specify • Latest hardware & software along with Laptop: please specify (Qty:1)
15.2	Solid water slabs for output measurements preferably having depth upto 30 cm. There should be provision for inserting the supplied ion chambers, please specify
15.3	A device to verify MLC leaf position, jaws, couch
15.4	and gantry position accuracies, please specify. Self
15.5	check to verify beam center shift and output and
15.6	profile consistency checks, please specify. Dosimetry system for measurement of dynamic flatness, symmetry & beam quality as per AERB ATR: Please specify. Machine Specific Dedicated QA device for daily, weekly and Monthly QA, please specify.
<b>16</b>	<b>Immobilization</b>
16.1	Universal low density base plate for fixation with immobilization accessories for head & neck,breast,thorax &Abdomen/pelvis for adult and pediatricpatients including storage(Complete set Qty-2)
16.2	Heat Gun (Qty1)

16.3	Vacuum Cushion Standard set including vacuum cushion of different sizes(Total 5),Vacuum station,pump and storage set(1Set)
16.4	Shoulder retractors(Qty-2)
16.5	Body Calipers(Qty -2)
16.6	CT dot markers--1 set(100 nos).
16.7	Bar Indexers (2 pairs)
16.8	Bolus of different thickness (2 Qty each) and different sizes(preferably gel)
16.9	Strong Scissors (to cut thermoplastic sheets)
16.10	Thermoplastic Water bath
16.11	Thermoplastic Moulds(Optional):Precut 4/3 clamps Thermoplast for Various sites(Qty-20 for H&N and Pelvis,10 for Pediatric)
<b>17</b>	<b>Scanners and Printers</b>
17.1	One Laser Scanner cum Printer (A4 size duplex printing)
<b>18</b>	<b>Other supporting systems:</b>
18.1	An on-line UPS System with the power rating of 30 kVA or higher (as appropriate) for the entire LINAC and all other accessories for 30 min shall be supplied. In addition to this main UPS, additional UPS systems shall be supplied along with all other computer terminals / workstations / accessories wherever applicable. Battery replacement and maintenance should be covered. Provide all the details.
18.2	The Chiller system shall be provided along with the machine by the principals.
18.3	Two closed-circuit color TV/Monitors systems, in addition to other standard patient monitoring systems supplied with the LINAC shall be supplied.
18.4	A patient calling system with 6 channels shall be supplied. An audio system for playing soft music inside the treatment room, control console, patient waiting area also to be supplied.
18.5	Also provide two-way audio communication systems and one more audio system from control room to patient waiting area. (If possible token system as used in bank may be asked for).
18.6	Last man-out switch (LMOS) system should be included.
<b>19</b>	<b>Turnkey Works ( If any)</b>
19.1	It is a turnkey project that includes the following scope of works:
19.3	Supply, installation, and commissioning of the quoted -LINAC and TPS and networking and in case there is an existing OIS system the new OIS should be integrated
19.4	Supply of Chiller and cooling systems required for the Linac system.
19.5	Mandatory modification works of the existing radiotherapy bunker including civil (as required by the AERB's layout approval to be obtained later after finalization of the new LINAC and finally for AERB's commissioning approval for patient treatments), electrical including supply of UPS required for successful functionality of the quoted LINAC. Supplier should define the required regulatory approvals which shall be obtained by the Institute
<b>20</b>	<b>The following works alone are customer responsibilities:</b>
20.1	Getting AERB permission for decommissioning
20.2	Obtaining Layout approval from AERB for treatment room and facility
20.3	Performing commissioning tests and beam data acquisition required for TPS and baseline
20.4	Performing Radiation survey during first beam on

20.5	Manpower recruitment for AERB commissioning approval and subsequent clinical use.
<b>21</b>	<b><u>WARRANTY AND CMC</u></b>
21.1	Warranty from the date of commissioning - 3 Years for complete System
<b>22</b>	<b><u>CMC</u></b>
22.1	07 Years CMC: includes 2 preventive maintenance per year and all breakdown visits. All purchased out items used in system should also be included in the warranty and CMC.
<b>23</b>	<b><u>INSTALLATION REQUIREMENTS: Please mention the following items.</u></b>
<b>24</b>	<b><u>Physical Dimensions and Weights</u></b>
24.1.	Modulator / Gantry
24.2	Patient Treatment Couch
24.3	Control Console
<b>25</b>	<b><u>Electrical Requirements:</u></b>
25.1	When Load - Standby
25.2	When Ready
25.3	When Beam is ON
<b>26</b>	<b><u>Cooling Water Temperature</u></b>
26.1	Flow
26.2	Pressure difference (To specify)
<b>27</b>	<b><u>Air Conditioning</u></b>
27.1	Temperature
27.2	Relative Humidity
27.3	Air changes (To specify no. per hour)
<b>28</b>	<b><u>Local Service Support:</u></b> Should have local service support/service engineer for attending the breakdown calls. Please specify
<b>29</b>	<b><u>Response time:</u></b> Should not be more than 12 hrs from lodging a breakdown complaint on toll free or by email.
<b>30</b>	<b><u>Uptime Guarantee:</u></b> Please specify
<b>31</b>	<b><u>Training of Staff</u></b>
31.1	Onsite training for radiation oncologist, medical physicist and radiotherapy technologist on various modules of Linac and TPS



31.2	Module based training for radiation oncologist, medical physicist and radiotherapy technologists
<b>32</b>	<b>SSA (Software service agreement):</b> Comprehensive SSA for all softwares and related hardwares for TPS, Networking and IIMacs for 10 years
<b>33</b>	<b>Optional Items</b>
	<b>Advanced Plan optimization tools:-</b>
	1) Multi Criteria Optimization (MCO) toolbox so that the interactive optimization based on target and OARs can be performed using constraint weighting sliding bar (continuous definition) of different organs and tumor with locking and unlocking option.
	2) Artificial intelligence, Machine Learning, Deep Learning based Auto Planning & Auto Contouring for fast and efficient treatment planning and contouring of different organs
<b>33.1</b>	3) Complete Offline plan adaptive solution should include the following - Image acquisition, DIR, Adaptive contouring, multi modality image registration , synthetic CT creation , Dose summation from different modalities , Optimization, Dose calculation , Dose deformation , Plan evaluation biological effective dose conversion for all modalities , TDF calculation should comply as RT Pacs . Please specify Tools for dosimetry QA, data analytics, and imaging research.
33.2	Exit Dosimetry - Integrated Exit dosimetry feature or equivalent every fraction 3D dosimetry using log files . pl specify details
33.3	Machine QA- TG142 based QA Software & required phantoms
33.4	Multi modality oncology analytical solution- system should collect and structure oncology specific clinical and operational data and prepares it for analytics, should Deliver dynamic and interactive data visualizations through multiple viewing, should Provides pre-built smart dashboards for referral patterns, wait times, workload capacity, and more
33.5	Vendor should Provide access to the IOS & Treatment Planning systems through dedicated thin client workstations for required no of users. (the dedicated workstations may be 'thin clients' using remote connections to servers, or 'thick clients' with the software installed on the client, or a mix of the two) . For Each site the vendor should provide 10 no's of Citrix licenses. Please specify the model of sales- perpetual / subscription based . If subscription based then minimum for 5 years should be offered
33.6	Respiratory Gating Solution: HW/SW and integration with 3rd party imaging systems, 2 systems (1 for Linac and 1 for CT SIM) should be provided
<b>34</b>	<b>Equipment certification: Certificates need to be furnished.</b>
34.1	AERB
34.2	(US FDA) 510K certification / CE/ ICMED/ ISO 13485 / BIS
<b>35</b>	<b>Other Information</b>
35.1	No. of similar models: India / world (enclose list of institutions)
	No. of installation (minimum 5 installation in last 3 years): Contact details of the end user need to be provided.
35.2	No. of certified engineers in India
35.3	Remote Diagnosis Facility (India / Abroad) availability
35.4	
<b>36</b>	<b>Delivery Schedule: Please specify</b>

## **Turnkey Scope of work:**

**TOTAL AREA : 1000 Sft. Alterations to existing structure as per approved AERB plan is part of turnkey.** The scope of work consist installation, testing and commissioning of equipment, and integrated commissioning of system in the Dept. Necessary building modification is to be designed and executed as per relevant codes, Technical Specifications, conceptual / layout drawings and AERB regulations.

The Turnkey Scope of Work -

1. The Supplier should inspect the proposed site offered by the Consignee Institute

system has to be installed and they are required to submit the plan for the complete Centre on a turnkey basis. The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction as required.

2. While preparing the plan, the following aspects have to be addressed.

a. Radiation shielding for doors, walls, windows etc.

b. Furniture like desk, chairs, shelves etc.

c. Patient stretcher and other furniture/ accessory to make the center functional.

3. The cost of Turnkey for the area of 1000 sq. f and Air-conditioning of Tonnage 25 TR will be considered for Ranking / Evaluation.

4. Moreover Bidders will have to quote the Unit Rates of the following components of turnkey work.

a) Civil works

b) Electrical work

c) Public health (plumbing and sanitary fittings).

d) Air Conditioning (HVAC)

e) Interior

Furnishing & Furniture

f) Miscellaneous

Scope of work site modification of The supplier should inspect the proposed site and submit all the detailed structural and architectural drawings;

Consist of the following rooms. (As applicable)

The actual area of turnkey works done will be considered for payment, based on the site measurements.

1. Civil work

a) Civil construction work including construction of brick / concrete wall if any, plastering, flooring as per the approved plan and equipment layout plan.

b) Concrete walls for Active areas if applicable ; Concrete bed at equipment area.

c) Platform for unloading and shifting the should be provided if necessary.

d) Cable tray, trench & channel – necessary trenches, cable tray and channels at required location would be provided.

e) All the construction work to be done as per the final plan approved by the Consignee and AERB.

a) Flooring

1. 600 x 600 mm vitrified tiles with 100mm tile skirting to match in console room, lobby and patient preparation areas, Technologist / Consultant room etc.

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2. 50 mm thick cement concrete flooring with Vinyl flooring in equipment / UPS room

b) Painting

1. Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in areas where there is no wall

cladding like patient preparation area, General waiting area, console room, Equipment room etc.

All Active Areas should be wall clad up to false ceiling height with vitrified tiles.

c) False Ceiling .1. Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.

2. Electrical work

1. The supplier shall be required to specify the total load requirements for the center including the load of air conditioning , room lighting and for the accessories if any. The supply line will be provided by the Institute up to one point within the center area. The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.

2. The electrical work shall include the following:

a. Wiring – All interior electrical wiring- with main distribution panel board, necessary MCBs, DB, joint box, switch box etc. the wires shall be of copper of different capacity as per the load and should be renowned make as listed below.

b. Switches light and power points should be of modular type and of standard make as listed below.

c. General lights – Mirror optical type 1X28 W or 2X28 W/CFL fittings 2X36, 3X36 W with electronic ballasts

3. AIR CONDITIONING:

Ductable package air conditioners and split AC units may be used according to room requirement and

suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. The

Air conditioning should be designed with standby provision to function 24 hours a day. The outdoor units of AC

should have grill coverings to prevent theft and damage. Ventilation is required in toilet.

4. Environment specifications:

a) Humidity range: Relative humidity 60% and 80% in all areas except equipment room which shall be as per requirement of the equipment.

b) Temperature ranges:  $22 \pm 2^{\circ}$  C in all areas except equipment room which shall be as per requirement of the equipment.

c) Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the bidder

5. Furniture:

a) Revolving chairs height adjustable, medium-back with hand-rest in the Control room, Consultant room and viewing area. – 10 NO

b) Chairs for patient waiting area – Three-seater (chrome plated). - 5 NO

c) Cupboard with laminate door shutters for storage of spare parts and accessories and records as per

requirement. –

- d) Drug trolleys 1 numbers for patient preparation area.
- e) Patient trolley with rubber foam mattress to be kept in the patient preparation room.
- f) Name boards for all rooms
- g) Tables for Workstation and Consultant in reporting room.-5 NO.S
- h) Changing rooms should have change lockers and dressing table.
- i) Dustbins (plastic with lid) to be provided as required.
- j) Any other furniture item as per requirement.

All furniture items should be of standard make as mentioned in the table below

#### 6. Miscellaneous:

- 1. Reporting room should have LED X-ray Film viewer with adjustable brightness ; capable of holding 3 films of 14"x17" size. – 2 no.s
- 2. Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc.
- 3. Broadband connection: for REMOTE SERVICE.
- 4. Fire extinguisher Dry CO2 type as required for the building safety.

#### LIST OF ITEMS AND SUGGESTED MANUFACTURERS

##### ITEMS PREFERRED MAKES

VITRIFIED TILES -Somany, Kajaria , H&R Johnson, RAK india

PAINT -Dulux, Asian Paints , Nerolac

PLUMBING -Kohler, Jaguar , Grohe , Roca

SANITARY ITEMS -CERA, Hindware, Parryware

##### ELECTRICAL

CABLES -Finolex, Havells ,V-Guard

SWITCHES -Legrand, L&T, Crabtree , Roma

DISTRIBUTION BOX , MCB -Legrand, L&T, Siemens, Havels

LIGHT FITTINGS -Philips / Crompton / Kesselec-Schreder / Wipro.

AIR CONDINTIONING -Daikin, Hitachi, Blue Star, Voltas,

FURNITURE -Hermen Miller , Godrej , Featherlite

