GOVERNMENT OF ANDHRA PRADESH

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Web Site : https://tender.apeprocurement.gov.in

TENDER DOCUMENT

FOR

Procurement and Supply of Medical Equipment to 1st & 2nd Phase New Medical colleges/Hospitals in Andhra Pradesh (2 years Rate Contract)

Tender Notice No. : **4.8A/APMSIDC/2024-25, Dt:17.09.2024.**

Name of the Agency and Address : ……

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Implementing Agency :

ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT CORPORATION
(Formerly APHMHIDC)
(AN ENTERPRISE OF GOVT. OF A.P.)
2nd Floor, Plot No:09, survey number: 49, IT Park, Mangalagiri, Guntur District- 522503.

e-mail: aphmhidc@gmail.com & ed.apmsidc16@gmail.com

Ph. No: 8978644900

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INTRODUCTION

1.1. The Andhra Pradesh Medical Services & Infrastructure Development Corporation – APMSIDC (formerly APHMHIDC) (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.msidc.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.4.8A/APMSIDC/2024-25, Dt:17.09.2024

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/Authorized Distributors. 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.apeprocurement.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 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. As per G.O. Ms. No. 4 Date: 17- 02 -2005 for collection of Corpus fund @ 0.04 % from successful bidders on eProcurement platform through Payment Gateway) (Corpus fund @ 0.04 % shall be charged from successful bidders as per G.O. Ms. No. 4 Date: 17- 02 -2005

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 the 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: 60** Days from the date of receipt of the Notification of Award (Purchase Order) of Contract. 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	60 days from date of issuance of Supply Order
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 three months (4 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	Three Installments and in the ratio 60:30:10
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	*Within 48 hours*

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 28.10.2024 to 11.11.2024 up to 02.55 PM
2.	Queries	01.11.2024 on or Before 1.00 PM
2.	Due date for Receipt of tenders	11.11.2024 up to 03. 00 PM
3.	Time and date of opening of technical Bids	11.11.2024 @ 03. 01 PM
4.	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 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.

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.

1. Reverse tendering process on e-procurement portal

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.

SECTION - II : INSTRUCTIONS TO BIDDERS

TABLE OF CLAUSES

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

18.3 The Bids shall bear the name of the invitation for bids (IFB) and Number and also the words "Do not open before 03.00 P.M Hrs **on 11-11-2024**. 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 **11-11-2024** 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 purchaser 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 7 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

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: Deleted.

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 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 7 years, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

(e) Training of the users and maintenance personnel, in operation, maintenance and repair of the supplied Goods.

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

14. Spare Parts:

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 termination of production of the spare parts;

(i) advance notification to the purchaser of the pending terminating in sufficient time to permit the purchaser to procure needed requirements: and

(ii) Following such termination, furnishing at no cost to the purchaser, the blueprints, drawing and specifications of the spare parts, if and when requested.

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 supplier's 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 sales and other taxes that the bidder will have to pay for the performance of this contract, at the prevailing rates notified by the Government. The purchaser will perform such duties in regard to the deduction of such taxes at source as per applicable law.

SECTION - IV: SPECIAL CONDITIONS OF CONTRACT

TABLE OF CLAUSES

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

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.

11. 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.

11.6 No conditional warranty like mishandling, manufacturing defects, etc. will be acceptable.

11.7 **Warranty as well as Comprehensive Maintenance contract** will be inclusive of all accessories and Turnkey work, and it will also cover the following wherever applicable:-

- Any kind of motor.
- Plastic & Glass Parts against any manufacturing defects.
- All kind of sensors.
- All kind of coils, probes and transducers.
- Printers and imagers including laser and thermal printers with all parts.
- UPS including the replacement of batteries.
- Air-conditioners, All kinds of painting, civil, HVAC and electrical work

12 Payment (Clause 16)

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

a) 60% of the contract value of the supply part after necessary deduction will be paid to the supplier on submission of copy of invoice with original Delivery Challan as proof of supply to destinations duly certified by the Head of the Institution and RTGS details

b) 30% 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.

c) The balance 10% will be paid after three months from the date of installation on submission of performance satisfactory report (Annexure-ll), 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 <u>For delays</u>

Substitute Clause 23.1 of the GCC by the following:

Subject to clause 25 of GCC, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5 percent of the delivered price

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

15.2 For Short fall in Equipment Maintenance services

Any major repair intimated by the *Purchaser or the end-user* shall be rectified by the Supplier from the date of intimation within a period of 3 calendar days and repair the equipment to the satisfaction of the Purchaser or the End User. Failing which the Purchaser has a right to levy a penalty on the Supplier a sum of Rs.10,000/- per day of delay, until the equipment is repaired and brought to the normal working condition to the satisfaction of the Purchaser.

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

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

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

(a) In the case of dispute or difference arising between the Purchaser and a Domestic Supplier relating to any matter arising out of or connected with this agreement, such dispute or difference shall be referred to the award of two Arbitrators, one Arbitrator to be nominated by the Purchaser and the other to be nominated by the Supplier or in the case of the said Arbitrators not agreeing, then at the award of an Umpire to be appointed by the Arbitrators in writing before proceeding with the reference, and in case the Arbitrators cannot agree to the Umpire, he may be nominated by the Arbitration committee of the Indian Council of Arbitration, India. The award of the Arbitrators, and in the event of their not agreeing, of the Umpire appointed by them or by the Arbitration Council of India, India, shall be final and binding on the parties.

(b) The Indian Arbitration Act 1996, the rules 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, 2nd Floor, Plot No:09, survey number: 49, IT Park, Mangalagiri, Guntur District- 522503

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

18 Comprehensive Maintenance Contract (CMC)

a) The Comprehensive Maintenance Contract includes 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.

c) The Comprehensive Maintenance Contract agreement will be done by APMSIDC/ Hospital authority/ Any Authorized service provider nominated by Govt AP , as per rates given by the vendor in the tender.

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 on asked to do so, of the products quoted with their bid, without any valid or convincing reason to the satisfaction of the Purchaser, the bids for other items offered against the bid notice will not be considered and he may be debarred for a certain period as decided by the Purchaser.

20 Progress of Supply

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

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

SECTION V

SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS

S. No	Item Name	Qty	Warranty	CMC	EMD	Average Annual Turnover for past 3 years (2021-22, 2022-23, 2023-24)
1. **Group – I items**						
(a)	Bulls lamp	16	3	4	85,000	75,00,000
(b)	Woods lamp	11	3	4		
(c)	Head light with LED	22	3	4		
(d)	Electric Plaster cutter	10	3	-		
(e)	Measuring tape	124	1	-		
(f)	Tuning fork (1024 Hz)	20	1	-		
(g)	Tuning fork (256 Hz)	20	1	-		
(h)	Tuning fork (512 Hz)	20	1	-		
(i)	Rubber Hammer 9Knee hammer)	110	1	-		
(j)	Shakir's tape	40	1	-		
(k)	Spine boards with slings and scotch	20	1	-		
(l)	Teaching set- 1. Doll and Dummy 2. Female Pelvis- Each set	10	1	-		
2. Group- II						
(a)	Alcohol Breath Analyzer	10	3	-	1,74,000	1,40,00,000
(b)	Bilirubinometer Transcutaneous	8	3	-		
(c)	Goniometer	38	3	-		
(e)	Hysteromat	19	3	-		

(f)	Infantometer	20	1	-		
(g)	Fetal doppler	20	3	-		
(h)	Proctoscope	40	1	-		
(i)	Peak flow meter	40	3	-		
3. Group- III						
(a)	Near vision chart with different language	24	3	-	85,000	71,00,000
(b)	Streak Retinoscope	28	3	4		
(c)	Gonioscope	10	3	4		
(d)	Diplopia goggles	20	1	-		
(e)	Maddox wing	10	1	-		
(f)	Placido disc	10	1	-		
(g)	Prism Bar	10	1	-		
(h)	Trail set with trail frame both for adult and children	19	1	-		
4. Group- IV						
(a)	Ambu bag with face mask - Adult	305	1	-	75,000	63,00,000
(b)	Ambu bag with face mask - Neonate	75	1	-		
(c)	Ambu bag with face mask - Paediatric	100	1	-		
(d)	Laryngoscope for Anterior	20	1	-		
(e)	Oxygen Head-Box – Each size	60	1	-		
5. Group- V						
(a)	Infantometer	34	1	-	1,13,000	95,00,000
(b)	Weighing Machine Digital – Child	20	1	-		
(c)	Weighing Machine Digital - Infant	20	1	-		

(d)	Weighing Machine Digital Neonate	20	1	-		
	Individual items					
6	Otoendoscope	10	3	4	7,500	6,25,000
7	Cardiac pace maker	6	3	4	54,000	45,00,000
8	ENT Operating microscope for major Operation Theatre (with camera attachment & monitor for teaching and recording)	10	3	4	3,00,000	2,50,00,000
9	Psychological tests equipment 1. Projective tests 2. Intelligence tests 3. Personality tests 4. Neuro psychological tests – Each	10	3	4	1,02,000	85,00,000
10	PC based Spirometer	10	3	4	36,000	30,00,000
11	Chromatography apparatus	10	3	4	15,000	12,50,000
12	Electrophoresis	10	3	4	15,000	12,50,000
13	Puretone audiometer	10	3	4	36,000	30,00,000
14	Vacuum Extractor and suction Machine	15	3	4	135000	11250000
15	Baby incubator	12	3	4	126000	10500000
16	HHHFNC (heated humidified high-flow nasal cannula) with circuits and interfaces for all age groups (neonates, infants, children, adolescents and	10	3	4	120000	10000000

	adults)					
17	ETO steriliser	10	3	4	600000	50000000
18	Operation Theatre Ceiling light double Dome	38	3	4	1482000	123500000
19	Diathermy machine under water cutting	10	3	4	300000	25000000

Processing fee: The participating bidders will have to pay tender processing fee (non-refundable) of **Rs.11,800/-** in the form of online only.

Note: 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

All tender unit price will be rounded off to next nearest whole number (if price is Rs. 100.40 it will be 100 Rs. and 100.75 then it will be Rs. 101)

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.
3. **All the bidders are requested to quote the total value of the each group as a single unit (Total items X Total Quantity = Total Value)**

Note:

1. **All the bidders noted that each grouping items should be quoted individual prices in financial bid of attached document compulsory.**
2. **All the bidders informed to quote CMC price along with equipment, if not quoted the CMC price then automatically taken as including CMC for quoted price in e-procurement platform.**

Technical Specifications

General Information

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

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

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

4. (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 30^0C 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 above items supply to various Govt. Hospitals in Andhra Pradesh**
3. **Purchase order will be issue minimum qty 1 no or more and to be supplied to all Govt. Hospitals in Andhra Pradesh for a period of 2 years.**

Technical Specifications:

1. Group - I		
(a)	Bulls lamp	Light Source Type- LED Depth Of Illumination - **75 / 100 W** Light Colour - White Voltage - 220V Technical Data: Arm: Adjustable Spring-Loaded Arm App. 75 Cm Long Incandescent Bulb Dome: Metallic Brass Head With Glass Base: Standard 5 Legged Fiber Base With Wheels
(b)	Woods lamp	1.hand-held unit 2.2 UVA lamps,3-6 Watts each emitting UV light at wavelength 340-400nm with peak at 365nm along with 2 lamps emitting white light 3.Optically ground and polished glass 4-6 diopter magnifier lens with focal length of 18-22cm 4.lens cover for patient protection from direct exposure to bulbs 5.Average lamp life of 5000-7000hours 6.electrical :220/240 v
(c)	Head light with LED	1.Head light consist of light head, adjustable head band facility for battery box. 2.The mechanical adjustment of the light head should allow the coaxial orientation of the illumination and observation path. 3.Source type: LED 4.Life: 50000 hours 5.CRI>90 6.Intencity: Adjustable intensity of ranging to 50000 luxate a working distance of 40 cm 7. Color Temperature :4500k 8.Light field size; adjustable from 10mm to 80mm at a distance of 40cm 9.Power source; rechargeable battery 10. back-up minimum 2 hours on full charge 11.should be provided the charging accessories 12.should have integrated battery status indicators 13.the unit with the battery pack should have maximum weight of 350gm for continues wearing 14.The head band should be removable and washable SANDARDS and SAFETY 15. Should be USFDA/CE (notified body) approved product 16.manufacture should have ISO 13485 certificate. 17.Electrical safety conforms to the standards for Electrical

		safety IEC 60601(General requirement) Warranty 3 year
d	Electric Plaster cutter	PLASTER CUTTER 1. Should have a fiber body. 2. Should be able to cut fiber gauzes. 3. Blades should be corrosion resistant and highly durable. 4. Blades should have hexagonal mounting hole. 5. Should be supplied with 84mm, 74mm, and 64mm diameter blades. 6. Should be supplied with required tools for replacing the blades, brush and duster. 7. Should be supplied with carrying case to accommodate the plaster cutter and other accessories. 8. Should have a protective guard and gloves. 9. Should be oscillating type 10. Should work with input 200 to 240Vac 50 Hz supply fitted with Indian plug 11. Additional Accessories 12. This is capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90% 13. Blades (84mm/64mm or better) - 6Nos 14. Certificate of calibration and inspection. List of Equipments available for providing calibration and routine preventive maintenance Support. 15. Should be FDA, CE,UL or BIS approved product. 16. Manufacturer should have ISO certification for quality standards. 17. Comprehensive training for lab staff and support services till familiarity with lthe system on site. 18. Comprehensive warranty for 2 years and 5 years AMC after warranty. 19. Certified to be meeting Electrical safety standards for medical equipments as IEC-60601-1 General Requirements
E	Measuring Tape	A flexible and portable tape measure 5 X 1. 5 meters Sewing Measuring Ruler Tape (60 inches) Made of high-quality durable material Warranty 1 year
F	Tuning fork (1024 Hz)	Tuning fork (1024 Hz)
G	Tuning fork (256 Hz)	Tuning fork (256 Hz)
H	Tuning fork (512 Hz)	Tuning fork (512 Hz)

I	Rubber hammer (Knee Hammer)	**Shape of Hammer Material:** Triangular, two headed mallet, throwing axe shape hammer round Head **Design of Reflex hammer:** Taylor, queen square, Babinski, tromner, Buck, Berliner, stookey **Detachable handle:** Yes **Hammer material:** Silicone Rubber, Plastic, Metal, Chrome plated zinc alloy-large mallet and small mallets-soft silicone (Troemner) **Handle Material:** Stainless steel, Mild steel, Plastic **Handle Material edge:** Tapered, pointed, Brush Tip, Square, Round, Sharp edge **Packaging Details:** Box, Blister Pack, Pouch
J	Shakirs tape	Shakir's tape • Material - non tearable PVC • Measurement - cm • Graduations - 1mm • Measuring Range - upto 26.5cm
K	Spine boards with slings and scotch	Spine boards with slings and scotch tape of all sizes <u>Features:</u> ▪ This spine board with safety belts is made of durable PE material with no discharge contaminator, and is resistant to wear ▪ It is a floatable device, and is X-Ray translucent ▪ This model is compatible with most head immobilization devices and strap mechanisms ▪ The spine board is mainly used by hospitals, sports events, ambulance services and outdoor activities for safe patient handling in the event of an accident <u>Specifications</u>: ▪ Product size: 72in X 18in X 2in ▪ Packing size: 73in X 18.5in X 2.75in ▪ Weight capacity: 350 lbs ▪ Straps; 2
L	Teaching set- 1. Doll and Dummy 2. Female Pelvis- Each set	<u>Female Pelvis</u> • Material: PVC • Color : White • Size: 29 x 22 x 20 cm • This model consists of two hip bones, a sacrum, and a coccyx. It is attached to the baby's head with a metal strip of a hose that can be bent to any angle. It is suitable for visual teaching aids for teaching midwifery courses in medical schools • Package included • 1 X Model

<table>
<tr><td></td><td></td><td>• 1 X Model</td></tr>
<tr><td colspan="3">2. Group- II</td></tr>
<tr><td>(a)</td><td>Alcohol Breath Analyzer</td><td>Display- Blue backlight 3-digit LCD screen
Sensor- High-precision semiconductor alcohol sensor
Detection Range
0.000-0.199% BAC
0.000-1.990 ‰BAC
0.000-0.990mg/L (BrAC)
Alarm point
0.050% BAC
0.500 ‰BAC
0.250mg/L (BrAC)
Accuracy
±0.010% BAC
±0.100‰ BAC
±0.250mg/L
Response Time
<5s
Warm-up Time
<20s
Operating Current
≤120mA
Operating temperature
10°c ~ 50°c
Operating Voltage
3 x AAA alkaline battery (Not included)</td></tr>
<tr><td>(b)</td><td>Bilirubinometer Transcutaneous</td><td>
<table>
<tr><td>Bilirubinometer</td></tr>
<tr><td>Clinical Purpose: Determining the concentration of bilitubin in the blood or other clinical specimen, most commonly to rapidly assess hyperbilirubinemia in neonates.</td></tr>
<tr><td>Clinical department/ ward: Obstetrlcs / Neonatal care / NICU</td></tr>
<tr><td>Overview of functional requirements:
1. Measures bilirubin cncentration in a blood smaple
2. Displays total bilirubin concentration (conjugated bilirubin level is optional).</td></tr>
<tr><td>TECHNICAL CHARACTERISTICS</td></tr>
<tr><td>Technical characteristics (specific to this type of device):</td></tr>
<tr><td>1. Sample volume of <100 µL required, automatic calibration facility</td></tr>
<tr><td>2. Total bilirubin concentration measurable (At least) in range of 0 to 20 mg/dl.</td></tr>
<tr><td>3. Time for total concentration measurement: ≤ 5 seconds</td></tr>
<tr><td>Settings</td></tr>
<tr><td>Method to recalibrate / save current calibration, set sample size.</td></tr>
</table>
</td></tr>
</table>

		User's interface:
		Backlit disply with easy viewing in all ambient light levels
		Software and/or standard of communication(where ever required):
		Electonic
		PHYSICAL CHARACTERISTICS
		Dimensions (metric): Approx. 110 x 150 x 200 mm
		Weight (lbs, kg): 5 kg - 15 kg
		Configuration : (Ex: Compact, modular, to be fixed to walls, ceiling, etc.).
		Noise (in dBA) : <60dB.
		Heat dissipation : Heat disbursed through a exhayst fan
		Mobility, portability: Easy and safety tranport to be possible by hand, stable when tabletop mounted.
		ENE RGY SOURCE (Electricity, UPS, Solar, Gas, Water, CO2 ....)
		Voltage (value, AC or DC, monophase or triphase): 220 to 240V, 50 Hz
		Tolerance (to variations, shutdowns): Voltage corrector/ stabilizer to allow operation at ±30% of local rated voltage, Electrical protection by resettable overcurrent breakers or replaceable fuses firred in both live and neutral lines.
		Protection:(Ex: Resettable overcurrent mains fuse to be incorporated)
		Other energy supplies: Measns cable to be at least 3 m in length
		ACCESSORIE S, SPARE PARTS, CONSUMA BLES
		Accessories (mandatory, standard, optional) : Hard and splashproof case to be supplied
		Spare parts (main ones): Two sets of spare/replaceable fuses, reagents and capillary tubes sufficient for 100 tests.
		Consumables / reagents (open, closed system): Capillary tubes, haemofluorometric reagents (e.g., awueous cyanide salt with stabilizers, if applicable).
		ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS
		Atmosphere / Ambiance (air conditioning, humidity, dust ...): Operating condition: – Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.
		User's care, Cleaning, Disinfection & Sterility issues: The case is to be cleanable with alcohol or chlorine wipes.
		STANDARDS AND SAFETY

		Performance and safety standards (specific to the device type);Certificates (premarket, sanitary, ..); Local and/ or international: Should be FDA /CE approved product Manufacturer / supplier should have ISO 13485 certificate for quality standard. Electrical safety conforms to standards for electrical safety IEC-60601-1. Shall meet IEC-60601-1-2 (General requirements for safety - electromagnetic compatibility)
		TRAINING AND INSTALLATION
		Pre-installation requirements: nature, values, quality, tolerance: Supplier to perform installtion, safety and operation checks before handover.
		Requirements for sign-off: Local Clinical staff to affirm completion of installation
		Training of staff (medical, paramedical, technicians): Training of users in operation and basic maintenance shall be provided
		WARRANTY AND MAINTENANCE
		Warranty: 3 Years
		Maintenance tasks: Advanced maintenance tasks required shall be documented.
		Service contract clauses, including prices: Local clinical staff to affirm completion of installation
		DOCUMENTATION
		Manuals: User, technical and manitenance manuals to be supplied in english language; List to be provided of equipment and procedures required for local calibration and routine maintenace; List to be provided of important spares and accessories with their part numbers and cost.
		Other accompanying documents: User/Technical/Maintenance manuals to be supplied in English.
		NOTES
		Other inforamtion: Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer.
		Recommendations or warnings: Any recommendation for best use and supplimentary warning for safety should be declared.
(c)	Goniometer	Goniometer Used to measure angular joint movement. The 360o head should have three calibrated scales used with

		the ISOM (International Standards of Measurement) system. Clear plastic / acrylic to permit observation of the joint's axis and range of motion. Unit should be durable, unbreakable and of high quality. BIS approved product or equivalent
(d)	Hysteromat	The Hysterometer is a device for sounding of the uterus and comes in different variants. The Polyethylene cursor is designed for accurate and easy reading of the uterine depth. Features & Benefits: ▪ Polypropylene flexible distal part ▪ Rigid handle made out of Polystyrene ▪ Accurate and easy reading ▪ Hystero CH10 ▪ Hystero CH12 ▪ Hystero CH14
(e)	Infantometer	Infantometer (For Pediatric only) ➢ Designed for measurement of premature infants, neonates and children up to approximately 24 months. ➢ Robust, extra-large construction for precise measuring. ➢ Automatically correct lying position due to trough-shaped lying area. ➢ Scale printed along top side for easy reading.
(f)	Fetal doppler	1. Should be compact and light weight not more than 250 gms 2. Large LCD display for display of Foetal heart rate 3. Back light for better visibility 4. Display signal quality, low battery etc. 5. High sensitivity Doppler probe of frequency 2.5 MHz 6. Ultra sound intensity <8-10mW/cm2. 7. Auto shut off facility to save battery power 8. Built in speaker with output not less than 0.5W 9. Should work on rechargeable batteries with minimum battery time of 300 minutes 10. Battery charger and spare set of batteries AA type to be supplied 11. Volume control facility and audio output for ear phone should be available 12. Heart rate range should be from 50 - 200 bpm with accuracy of +/- 2%

		13. Should be water proof body 14. Should have facility for FHR data transfer to PC (Optional) 15. Doppler probe should be light weight with holder facility when not in use 16. Should be supplied with carrying case 17. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission/FDA (US)/STQC CB certificate/STQC S certificate or valid detailed electrical and functional safety test report from ERTL 18. Copy of the certificate/test report shall be produced along with the technical bid 19. Warranty 1 year
(h)	Proctoscope	<u>Proctoscope: -</u> - It Should be Presterilised - It should be Transparent & Light Weight - Length should be minimum 9 cm - Internal Diameter should be – 1.7 to 2 cm - External Diameter should be - 1.9 to 2.2 cm
(i)	Peak Flow meter	➢ Unsuitable substance Products that attack ABS (Acrylonitrile butadiene styrene) ➢ Material ABS (Acrylonitrile butadiene styrene) Plastic Flow Meter with cardboard mouthpieces ➢ Temperature resistance (°C) -10 to +50°C ➢ Storage temperature (°C) 0 to +50°C ➢ Relative humidity (%) 10 – 95% ➢ Measurement range 50 – 800L/min ➢ Accuracy Above +/- 10 L/min or +/- 10% of the measurement ➢ Reproducibility Above +/- 5 L/min or +/- 5% of the measurement ➢ Leakage resistance 0.00384 kPa/L/min – 720L/min kPa/l/min ➢ Standard zone 50-800 L/min BTPS ➢ Frequency response Difference between A/B profiles below 15 l/min/15% ➢ Meter for mechanically measuring PEF (Peak Expiratory Flow) Can measure the intensity of an

		asthma attack and reveal a respiratory deficiency. Adjustable zone marker (green - yellow - red).
		3. Group - III
(a)	Near vision chart with different language	a. The book should consist of 38 plates b. Should be suitable for discovering congenital color blindness and red green blindness, each in two forms, complete and incomplete c. Should include four special plates for tests to determine the kind and degree of defect in color vision. Color plates should be encased in specially designed album-type books for ease of handling
(b)	Streak Retinoscope	Streak retinoscope TECHNICAL SPECIFICATION OF RETINOSCOPE • Should have XL 3.5 V xenon lamp. • Should have spot-light retinoscope projects a circular light beam. Should have slit-light retinoscope with a light beam in the form of a line, simplifies recognition and the • Determination of astigmatic refractive errors. The reflex in the form of a line is moved vertically to the axis across the pupils of the patient with a slight oscillating movement. • Should have shadow moves in the same or opposite direction. Co-movement (plus lines): The patient is long-sighted. • Counter-movement (minus lines): The patient is short-sighted. • Simple operation with knurled thumb screw. The line and spot image can be focused with the operating element and turned 360º, angle can be read off the integrated scale. • Holder for hanging and fixing the fixation card into position for dynamic retinoscopy. • Should have axis marker. • Two fixation cards supplied. The patient's eye can adjust optimally to the distance to the retinoscope. • Integrated eyeglass protection. • Bayonet fitting for fast and secure attachment to the handle. • Dust-tight, very sturdy and light casing made of impact resistant plastic. • Simple exchange of the lamp at the base of the instrument head. • Rechargeable handle with LI-ION battery and with USB

<table>
<tr><td></td><td></td><td>Charger.
• Must be CE certified in addition to ISO-13485.</td></tr>
<tr><td>(c)</td><td>Gonioscope</td><td>Anti-Reflecting Coating
4- mirror model
Universal style
Lens height- 30-33mm</td></tr>
<tr><td>(d)</td><td>Diplopia goggles</td><td>Lenses Material : Glass
Color : Red/Green
Shape : Square
Size : 8 x 17 x 3 cm
Pile Height : 35 mm
Frame Material : Metal
Used in Worth 4 dot test</td></tr>
<tr><td>(e)</td><td>Maddox wing</td><td><table><tr><td>Operation Mode</td><td>Manual</td></tr><tr><td>Handling</td><td>Portable</td></tr><tr><td>Material</td><td>Plastic</td></tr><tr><td>Color</td><td>Black</td></tr><tr><td>Product Type</td><td>Eye Testing Equipment</td></tr><tr><td>Weight</td><td>150 gm</td></tr></table></td></tr>
<tr><td>(f)</td><td>Placido disc</td><td>1.Measuring Technology should be based on Placido disk/ Scheimpflug camera
2 Measurement accuracy - Class A according to the UNI EN ISO 19980-2012
3 Field of View 17 mm X 14.5 mm
4 Placido Rings 22 (18 superiorly, 22 inferiorly)
5 Analysed Points over 100,000 or Measured points over 6.200
6 Illumination Source - Non-visible infrared (950 nm) LED
7 Optics Digital CMOS camera with 1280x1024 pixel resolution
8 Curvature Measurement Range - 15 to 95 D (3.5 to 22.5 mm)
9 Accuracy - ± 0.05 D (± 0.01 mm)
10 Reproducibility ± 0.10 D (± 0.02 mm)
11 HVID (white to white) Measurement Range 10.0 to 14.0 mm
12 Pupillometry Acquired Images: Dynamic, mesopic, Scotopic and photopic (700 nm)
13 Measurement Range0.5 to 11.0 mm
14 Resolution0.1 mm
15 Views • Axial Curvature, Tangential Curvature
16 Videokeratoscopic (Rings, Scotopic, Photopic)
17 Keratometry, Refractive Power, Mean Curvature, Corneal</td></tr>
</table>

		Wavefront 18 OD/OS Comparison 19 Pathfinder for Corneal Analysis Software 20 MasterFit for Contact Lens Software 21 Dimensions • 52 L x 37 W x 50 H (cm) approximately 22 Weight: Upto 20 kg 23 Electrical • 100-240V~: 50/60Hz, 2-1A
(g)	Prism bar	Prism Bar Vertical Prism Bar, with1/2/3/4/5/6/8/10/12/14/16/18/20/25D Horizontal Prism Bar with1/2/4/6/8/10/12/14/16/18/20/25/30/35/40D
(h)	Trail set with trail frame both for adult and children	1 Trail Lens Boxes along with near Vision Charts 1. The lenses should be of 20mm aperture fitted in aluminium mounts of 38 mm diameter, anodized red /gold for negative power and black/silver for positive power. 2. The sphere lenses with handle and cylinder without handle. 3. The trial lenses should be of good quality, the case made of melamine polished wood, sturdy and attractive finish. 4. Lenses – Spheres + and – a. Concave and convex -0.12 b. 0.25 to 4.0 in 0.25 steps c. 4.5 to 6.0 in 0.5 steps d. 7.0 to 14.0 in 1.0 steps e. 16.0 to 20.0 in 2.0 steps f. 0.25 to 3.5 in 0.25 steps g. 4.0 to 6.0 in 0.5 steps h. Prisms -1/2,1,2,3,4,5,6,8,10,12. 5. Accessories-Trial frames, one adult size and one for child, adjustable with slots a. -Red glass b. green glass c. -Pin hole d. –Slit e. -Two blank discs g. -cross cylinder +/- 0.25 and +/- 0.5 The lenses should be of 20mm aperture fitted in aluminium mounts of 38mm diameter, anodized red /gold for negative power and black/silver for positive power. SS Hinges of the trial box shall be provided

		To print YSR KANTIVELUGU logo on the box		
		4.Group -IV		
		(a)	**Ambu bag with face mask – Adult** Adult: - Adult total bag volume (min 1450 ml), made up of silicon material,100 % latex free, Unique single shutter valve, whole resuscitator bag along with Reservoir bag and mask must be auto clavable minimum 25 times (test reports to be provided) , face mask should have thumb rest for proper seal, Bag should be ergonomic design with hand strap for firm grip. The patient valve with swivel facility. USFDA, CE and ISO certified.	
		(b)	**Ambu bag with face mask – Neonate** Neonate: - Neonate total bag volume (min 200ml) , made up of silicon material, 100 % latex free .Unique single shutter valve , whole resuscitator bag along with Reservoir bag and mask must be auto clavable minimum 25 times, (test reports to be provided) Bag should be ergonomic design with hand strap for firm grip. The patient valve with swivel facility. USFDA CE and ISO certified.	
		(c)	**Ambu bag with face mask – Paediatric** Paediatric: - Paediatric total bag volume (min 630 ml), made up of silicon material, 100% latex free, Unique single shutter valve , whole resuscitator bag along with Reservoir bag and mask must be auto clavable minimum 25 times(test reports to be provided), face mask should have thumb rest for proper seal, Bag should be ergonomic design with hand strap for firm grip. The patient valve with swivel facility. USFDA CE and ISO certified**.**	
		(d)	**Laryngoscope for Anterior** Medium, Universal size, triangular spatula shaped, Lateral outer channels for light carrier and suction with FO light carrier for laryngeal	
		(e)	**Oxygen Head-Box – Each size** Oxygen Head box (of each size) **1.** Round shape or have no joins or corners, and easy to clean **2.** 2. 3 x size small, approx: height 22 cm, diam 25 cm **3.** 3 x size medium, approx: height 18 cm, diam	

				20 cm **4.** Made of autoclavable polycarbonate **5.** Trauma free silicon neck **6.** Fitted with oxygen connector **7.** An adjustable porthole on top for feeding and suctioning	
				5.Group -V	
			(a)	**<u>Infantometer</u>** Infantometer (For Pediatric only) ➢ Designed for measurement of premature infants, neonates and children up to approximately 24 months. ➢ Robust, extra-large construction for precise measuring. ➢ Automatically correct lying position due to trough-shaped lying area. ➢ Scale printed along top side for easy reading.	
			(b)	**<u>Weighing Machine Digital – Child</u>** Weighing machine Digital - • Led Display. • Zero Tracking. • Simple User-Friendly Operation. • Colour coded and sealed Keypad. • Anti-Slip Adjustable Levelling Feet. • Back Rail Support Provided to support the Indicator. • Environmental Protected Load Cell. • Equipped with overload Protectors. • Built-in Battery Backup. • Auto sleep/ power down function to save battery life. • Large Pan for Adult Weighing 350 x 450 mm. • Capacity – 200 Kg. • Readability – 10 Grams • Patient Supporting Stand attached	

		(c)	**<u>Weighing Machine Digital – Infant</u>** Technical Specification of Infant Weighing Scale – 1. It should be a digital electronic scale 2. Should have capacity weighing range of 0 - 20 kg with an accuracy of ±5 gm 3. Weighing unit: Standard display in grams 4. Pan size: 630 x 300 mm ±25mm 5. Pan material: Fibre resistant plastic (pupe coated) 6. Display: Bright LED or LCD display for easy viewing 7. Should have functions TARE, Auto-HOLD and Automatic switch-off 8. Insulation should be Protection Class II approved 9. Should be light weight and has a handle for easy transportation 10. The scales are only cleaned with normal disinfectants 11. Should have operated by battery or power supply 12. Battery backup: At least 3 hours 13. Should have a measuring rod and a head positioner 14. Should be supplied with detachable Baby Measuring Rod with measuring range: 35 – 80 cm with graduation of 1 mm 15. Should be ISO and European CE certified 16. Original (but not the xerox copy) of the operator and service manual to be provided along with the equipment	
		(d)	**<u>Weighing Machine Digital * Neonate</u>** Technical Specification of Neonate Weighing Scale – 1. It should be a digital electronic scale 2. Should have capacity weighing range of 0 - 20 kg with an accuracy of ±5 gm 3. Weighing unit: Standard display in grams 4. Pan size: 630 x 300 mm ±25mm 5. Pan material: Fibre resistant plastic (pupe coated) 6. Display: Bright LED or LCD display for easy viewing	

			7. Should have functions TARE, Auto-HOLD and Automatic switch-off 8. Insulation should be Protection Class II approved 9. Should be light weight and has a handle for easy transportation 10. The scales are only cleaned with normal disinfectants 11. Should have operated by battery or power supply 12. Battery backup: At least 3 hours 13. Should have a measuring rod and a head positioner 14. Should be supplied with detachable Baby Measuring Rod with measuring range: 35 – 80 cm with graduation of 1 mm 15. Should be ISO and European CE certified 16. Original (but not the xerox copy) of the operator and service manual to be provided along with the equipment
(6)	Otoendoscope		• Should have fiber optics for optimal beaming and transmission of the light. • Should have Bi-directional swiveling optical glass with 3-fold magnification. • Should have Operation lens with 4-fold magnification and glass mini optic ease the insertion of instruments. sets including reusable ear-specula (4 x 2,0mm, 1 x 3,0mm, 4 x 4,0mm, 1 x 5,0mm) • Should be integrated F.O. throat illuminator • Easy-to-operate specula ejection device at the rear side of the otoscope to avoid contamination. • Fitting for specula and enlarged conduit for instruments. • Suitable for pneumatic tests (supplied without ball). • Large selection of power sources: handy and stable handles, practical chargers and well-conceived diagnostic stations. Product should be European CE /USFDA approved.
7	Cardiac pace maker		Dual Chamber Temporary Pacemaker: Specification: 1. Should have touch screen facility for ease of operation.

		2. Should have an additional internal battery back up to facilitate quick change of normal AA battery. 3. Should be able to be attached easily to patient arm, let or IV pole. 4. Should have rapid atrial pacing to manage atrial flutter safe reliable. 5. Should have safety awareness ranges to alert clinician to area of caution. 6. Should have modes AOO, AAI, AAT, VOO,VVI, VVT,DDD,DDI,DVI,DAI,DOO, DDT, VDD, AND VAT. 7. Should have basic pacing rate to 30 to 180ppm which is continuously adjustable. 8. Should have rapid atrial pacing rate 40 to 1000ppm. 9. Should have rapid atrial pacing rate: 40 to 120ppm in steps of 2ppm increments, 120 to 200ppm in steps of 5ppm increments, 200 to 400ppm in steps of 10ppm increments 400 to 1000ppm in steps of 50 increments. 10. Should have an output amplitude 0.1 to 20mv. 11. Should have Atrium pulse width 0.7ms Ventricle 0.5ms and high rate 1.0ms. 12. Should have sensitivity 0.1 to 20mv which is incrementally adjustable. 13. Should have refractory 400ms for AXX modes and 250ms for VXX modes. 14. Should have blanking pace 125ms and sense 75ms. 15. Should have work on 2,1.5 AA batteries which are very easily available in the market. 16. Should have runaway protection depending on rate settings. 17. Should have back up battery life > 150hrs. 18. Should have AV/PV delay 1.5ms to 300ms. Setting automatic depending on rate manual. 19. Should have PVARP 100 TO 500ms setting automatic

		depending on rate or normal. 20. Should have TARP AV Delay +PVARP with minimum rate + 60ppm. 21. Should have AV/VA blanking 70ms. 22. Should have UTR/MTR rate + 40ppm. 23. Should have noise detection at 125ms in automatic mode switch to asyndronous mode. 24. Pacing cable should be provided. 25. It should be CE approved. 26. Adequate service backup should be available within the state.

8.ENT Operating microscope for major Operation Theatre (with camera attachment & monitor for teaching and recording)

Technical Specifications:
1. Working distance: - 200-625 mm continuously variable through motorized multifocal lens, activated through Handgrips and through control panel. Manually adjustable override.
2 Magnification range :- Minimum range up to 16x or better without adding any additional adapter.
3 Focusing: - Motorized via multifocal lens activated through Hand or foot switch & Touch screen control panel. Manually adjustable override. The system must provide automatic focusing along with digital control system.
4 Eyepiece: - Magnetic 10x or 12.5X wide field with dipodic setting +5D to – 5D
5 **Light Source: -** Should have maintenance-free LED illumination providing Xenon like intensities at 5500K or more with lamp lifetime of 40,000 working hours or more/ 300W Xenon illumination with integrated 300W Xenon back-up with fast action lamp Change over. The microscopes' illumination system must provide an additional light beam path to brighten up shadowed areas in the field of view.

6	6 Illumination Field Diameter:- Should have built in automatic zoomsynchronized illumination field diameter, with manual override and reset feature.
7	7 Automated Illumination control: - Should have automatic Illumination. Brightness control should be linked to working distance. Illumination also can be controlled by hand switch or foot switch.
8	8 Binocular Tube: - Binocular tube for main surgeon which can be pushed and pulled offering flexible positioning, added magnification and integrated rotate functionality. Easily compensate for eye level differences between the surgeon and the assistant when operating in a Symmetrical face to face configuration by simply rotating the tube.
9	Automatic Balancing:- The system must provide a one touch automatic balancing of all system axes without any manual Interaction or axis adjustments.
10	Beam Splitter with Face-to- face attachment: - Integrated Beam Splitter (Not Visible from Outside / separate attachment). Face to face attachment with 0 to 180 Degree inclinable tube for main & opposite surgeon. In face to face two surgeon can able to see through eyepiece and operate all at a time together. Main surgeon and one assistant surgeon.
11	Camera: - Fully Integrated 1 CMOS HD/3CMOS HD Medical grade Video Camera so that maximum resolution will display & record. No external Camera.
12	Display: - Full HD Medical grade touch screen display system attached with the microscope system (No External monitor/ detachable monitor will be acceptable).
13	Recording: - Full HD/4K video recording system with Integrated HDD of 1TB.
14	Stereo Co- observer: - Should have stereo co observation attachment for face-to-face assistant and the attachment should not move in case the head is tilted in forward or backward direction & 360 Degree by the main surgeon.
15	The microscope must offer integrated 360° rotatable tube for better ergonomic observation.
16	Binocular should have PD adjustment knob with range of 55 mm to 75 mm.

17	Binocular should have movement lock in any angle.
18	Remote Access: - The system must provide an interface and a function for fast internet remote diagnosis to be operated via the central touch screen user interface.
19	Sterile cover with automatic air vacuum technology system must be facilitated by an automatic air vacuum/Auto Drape. Minimum 30 nos. Sterile Drape sheet to be supplied as FOC basis by the same manufacturer. No local plastic cover will be accepted.
20	Damping Correction: - System should have robotic control active vibration / counter weight balance damping mechanism to avoid disturbing vibrations.
21	USFDA/European CE/ISO/ISI/BIS certified product.
22.	Medical Grade Monitor should be 42inch Monitor or more.

9.Psychological tests equipment 1. Projective tests 2. Intelligence tests 3. Personality tests 4. Neuro psychological tests – Each

. Psychological tests equipment

1. Projective tests
   a) Rorschach ink blot test
   b) Thematic apperception Test
   c) Child apperception Test

2. Intelligence tests
   Children
   a) vineland social maturity scale (VSMS)
   b) Developmental Screening test (DST)
   c) Seguin form board
   Adolescents
   a) Bhatia battery of performance Intelligence test

   Adults
   a) Binet Kamath Intelligence test
   b) Weschler's adult intelligence scale
3. Personality tests
   a) Mini Minnesota Personality inventory
   b) IPDE (International personality disorder examination) Questionnaire
4. Neuro psychological tests
   a)NIMHANS battery

10.PC Based Spirometer

Specification:

1. It should be PC based and should operate on operating system version windows
XP or more and should have minimal dead-space with pre-calibrated sensor.
2. System should be able to generate values for MVV, VC, Peak flow rate and other respiratory parameters of obstructive as well as restrictive lung diseases.
3. The system must be simple to operate, preferably on plug and play system.
4. Facility to have pre & post medication values as well as printing of reports.
5. It should preferably be able to consider and adjust values according to ethnic origin of patients.
6. Automatic device connection facility, integrated pdf generator facility preferably should be there
7. Its flow range should be between 0.03 to 20L/sec and volume range around 8L.
8. It should be equipped with compatible laptop/ desktop and printer

11.Chromatography apparatus

Complete Chromatographic Unit for paper & TLC

Specification:

1. Paper Chromatography Cabinet: It is made of single piece bakelite moulding.
The inner size of cabinet is 6 x 8 x 9" with front sliding glass door. The lid of cabinet is also made of bakelite.

3. Stainless Steel Solvent Pot: It is made of 316 Quality S.S. It is having the volume capacity of 150 ml. It is required to hold the solvent mixture. 4 Stainless Steel Hanger: It is a stainless-Steel rod of size 6" and dia 2mm. It is used as hanger of Chromatography paper. It fits inside the grooves of the cabinet.
3. Chromatography Paper "1-Chro": It is the world standard Chromatography paper. A smooth surface, 0.18mm thick with linear flow rate (water) of 130 mm/30 min. Good resolution for general analytical Separation and having following special features:
4. Simultaneous development of multiple samples on the same sheet under identical conditions.
5. Sequential development of the same sample with solvent or different concentrations of the same solvent.
6. Suitability for two-dimensional chromatography (change in direction of the solvent front) with possible
7. improved resolution.
8. Drying Stand: One stand is supplied to accommodate processed (wet) Chromatography paper and to put it in oven to dry the same.
9. Glass Sprayer with Rubber Balloon: The sprayer is made of Borosilicate Glass, specially designed for spraying the indicators on Chromatography Paper. A rubber balloon is connected to it.
10. Glass Syringe: Glass syringe capacity 20ml. is provided to draw the solvent from S.S. Pot after practical is over.

11. TLC Capillary: Pkt. of 25 high quality fine capillaries are supplied with cabinet.
12. Size 27 x 27 x 29 mm

12.Electrophoresis

Complete Electrophoresis apparatus with power supply (Paper, PAGE, agarose
Specification:
A**. Electrophoresis Unit** with Compatible Power supply Unit
1. Capacity to run up to 4 mini-gels
2. Supplied with tank, lid, companion module, buffer dam and power cable
3. 1 box each of combs, spacer plates and short plates
4.2 gel-casting stands and 4 frames
B. **Basic Power Supply Unit**:
1. Output: 10-300 V (Adjustable by 1V); 4-400 mA (Adjustable by 1mA); 75 W max with constant voltage or constant current (interchangeable)
2. 4 pair of banana jacks in parallel
3. Time setting (adjustable): 1 min- 99 h 59 min with pause/resume function
4. LED display
5. Can operate at 0-40 OC; 0-95% humidity in absence of condensation
6. All safety features including detection of no-load, rapid resistance change, ground leak, over-load, short-circuit
7. Over-voltage protection and over-temperature protection 8. Compatible with Bio-Rad electrophoresis unit
Certificates: Notified CE/BIS/FDA and ISO 13485

13.Pure tone Audio meter
1) Should be Simple and convenient to Operate
2) Portable Diagnostic Instrument : AC, BC, Speech and Free field Audiometer
3) Special tests such as short Increment Sensitivity Index (SISI), tone Decay test and Alternate Binaural Loudness Balance (ABLB)Test
4) Mixing signals and channels can be mixed independently
5) Speech tests from SD-memory card, CD or microphone
6) Direct printout of the results or store report as PDF on USB memory stick
7) Patient database for more than 1000 test results
8) Options include FF speakers, insert phones, PC interface, High Frequency – up to 10 KHz etc
9) Range of frequencies from 250 HZ to 8000 HZ ,-10 dB(minus 10 dB HL) to 100 dB
10) Increments of 5 dB
11) Frequency deselect ion: The following frequencies can be deselected in the setup: 250, 500, 750, 1500, 2000, 3000, 4000, 6000, 8000Hz.
12) Input : Tone 5 Hz or True sine wave frequency modulation •INPUT: Tone, Speech, Tape, Pulse Tone.

13) Output : Either to right and left speakers and also earphones •HEADPHONES: •BONE: BONE CONDUCTOR.
14) Tone decay test available
15) White noise masking
16) Both Air and bone conduction facility
17) For Free field : should have 2 separate good quality Speakers
18) Should also have good quality Head Phone
19) Could be operated both on battery and AC with built in voltage regulator
20) Should have facilities for bone conduction Hearing Threshold Range: 0 to 90 (up to)dB in 5dB steps
21) Accuracy better than ± 2 dB
22) Harmonic Distortion - less than 3%
Warranty 3 years warranty from date of installation

Note: - All other accessories price break-up must be submitted.

14. Vacuum Extractor and suction Machine

1. Should have automatic, programmable & electronic microprocessor controlled vacuum extractor with LCD display
2. Should have automatic Vaccum control for increased safety with sensor monitored vacuum
3. Should have automatic vacuum generation and reduction with pre selectable parameters
4. Should have suction capacity minimum -625 mmHg
5. Should have airflow rate minimum of 36 L/ min capacity (2ltr +/-)
6. Should have hygienic hydrophobic bacterial filter with filter change indication available on display
7. Should have electronic filling level control with over suction protection
8. Should have the vacuum pre selection by finger touch key press
9. LCD display should show the time progress with audible action signals
10. Should include accessories of silicon cups of 50 mm & 60 mm
11. Pump noise level should not exceed more than 50dB
12. The equipment should be multifunctional and able to be used for freeing the respiratory track, also as a suction curettage & as a breast pump
13. The system should have a collection jar of 1.5 ltr glass with a double hose connector.
14. Should have international protection class certification
15. Should have European CE or US FDA or BIS

15. Baby incubator

1. The incubator specifications should confirm to the following
2. Working temperature range: 30 to 37°C (Patient display mode)
   : 30 to 37o C (Air set mode)
3. Accuracy: +/- 0.2 o C
4. Resolution: : 0.1o .C
5. Accuracy of probe Interchangeability : +/- 0.2oC
6. Temperature Probe: Thermistor based interchangeable probe
7. Alarms: High & Low temperature, Power failure, Battery low, Probe failure. Fan failure
8. Voltage: 90 to 240 V at 50/60 Hz
9. Power: 500 Watts maximum
10. Heating element: Flat heaters
11. Temperature display: Bright numerical LED display
12. Messages and alarms: LCD display
13. Battery backup time: Minimum 2 hours
14. II) PERFORMANCE SPECIFICATIONS :
15. Should have Temperature rise time: 45 mins per 10o C
16. Should have a fixed height trolley with minimum 100 Kgs Capacity for easy movement of Equipment
17. Should have inbuilt battery charger and battery should be part of equipment
18. Should have two Elbow operateable ports.
19. Should have head access door to pullout the bed
20. Should have front access door
21. Stretcher should have option for head end elevation, adjust height. And should have collapsible limbs while moving into ambulance.
22. Should have one iris port and minimum 3 tubing ports
23. 3 disposable infant restraint straps
24. Should have an Indicator for power ON.
25. Should have an Indicator for heater ON.
26. Should have four wheels, at least 2 with brakes.
27. Should have IV stand
28. Should have goose neck examination lamp for flexible examination.
29. Coating: Epoxy/Powder coated body for scratch and rust prevention
30. Should be supplied from a manufacturing company having ISO 9001 and ISO 13485.
31. 3 Years warranty

16. HHHFNC (heated humidified high-flow nasal cannula) with circuits and interfaces for all age groups (neonates, infants, children, adolescents and adults)

1. The device should have Integrated flow generator to deliver wide range of flows from 2 liters to 60 liters
2. It should have integrated Air oxygen blending and fio2 monitoring with facility to deliver wide range of oxygen concentrations from 21 to 100 %.
3. Oxygen sensor in the device does not require in field calibration
4. Clinical menu for setting range of F io2 and flow settings

5. Inbuilt heated humidifier to deliver warm and humid gases to airway. The humidification chamber should have dual float with auto feed system
6. Display to monitor temperature of humidified gas, flow rate and fio2.
7. Visual and audible alarm indication for
    a. Tubes disconnect Leaks, tube blockages, and Water out and hardware fault with error codes. Audible power failure alarm
8. The device should have thermal disinfection mode to minimize contamination. Heated tube for sterilization of the device should be provided with the device. (Any methodology/technology to disinfect the device with requisite accessories.
9. Consumables and accessories
    a. Patient breathing tube should be light weight with integrated heating wire and insulating layer to minimize consideration – 20 Nos Adult and 25 Nos pediatric.
    b. b. Nasal cannula of different sizes Soft, Flexible anatomically contoured nasal cannula and tubing with breathable membrane. 10 Nos Adult and 40 Nos pediatrics (10 Nos of each size to suit different paediatric sizes). (The cannula should have customized head strap with adjustable clip to support the weight of the circuit.)
    c. Cannula should have soft check pads to ensure more stability and reduce pressure on face.
    d. Direct Tracheostomy interface
    e. High flow meter for Oxygen up to 70 lpm with oxygen house.
    f. Air filter - 4 Nos
    g. Oxygen inlet extension tube – 3 No
10. Mounting tray with pole with castors & IV hook
11. Supply frequency: 50/60 Hz, Supply voltage: 220-240 v
12. Sound pressure level 45 dbA@1m
13. Oxygen analyzer accuracy ± 10% (within range of 25 – 80 % Fio2)
14. The unit should be compliance with international standards. IEC 60601 and ISO 13485 quality standard
15. Certification it should be US FDA or European CE approved
16. It should be suitable for use in ICU recovery wards and emergency department.
17. 3 years warranty & 4 years CMC with spares excluding consumable accessories

17. ETO steriliser

1	Fully automatic ETO Sterilizer designed with embedded software (windows 10 OS) that automatically controls and independently monitors the physical process parameters to ensure sterilization conditions are maintained throughout the sterilization cycle.
2	System should be 100% Ethylene Oxide Gas Sterilizer
3	Capacity of Chamber Volume should be around 224 liters with dimensions of 18*20*38 inches.
4	Should have fully automatic single door system
5	The Sterilizer chamber should be made of corrosion free durable anodized aluminum alloy metal
6	System should operate on Single Dose 100% ETO Cartridge. The cartridges should be of same OEM as the manufacture.
7	Gas cartridges sshould be EPA certified. The certified should be specially for the consumables.
8	The manufacturer of the quoted product should have EN ISO 13485 certificate issued from a notified body or ICMED 13485 (with or without plus)certificate issued from certification bodies accredited by NABCB or ISO 13485 certificate issued from certification bodies accredited by NABCB/Nationally Recognized Accreditation Board under IAF MLA.
9	The quoted medical device must be registered under CDSCO and submit the license for manufacture to sale or distribute the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid.
10	Should have Barcode reading facility to monitor the batch / lot number of the cartridge
11	Operating Temperature of the sterilizer should be between 35 deg to 60 deg Centigrade
12	Sterilizer should have option to run half cycles (with reduced exposure time), Cartridges disposable cycle and aeration cycle.
13	Sterilizer should have controlled stages of sterilization process and have user friendly touch panel screen. It should display estimated remaining cycle time, and control sensors for temperature, %RH, and pressure that provide information to the control embedded software during the entire cycle processing with chart.

14	Sterilizer should have operator password protection to start / End the process
15	Area Heat Radiation should not exceed 6,250 BTU/Hr
16	Sterilizer should have minimum dual Relative Humidity Sensors and should be Software controlled for Continuous Monitoring of RH for entire cycle process
17	Sterilizer should have multiple position dual temperature sensors and should be software controlled for continuous Monitoring for entire cycle
18	Sterilizer should be incorporated with Alpha – Numeric Graphical Thermal Printer with option of Graph / Table / Detailed cycle report preferences
19	Sterilizer should store minimum 100 previous sterilization cycles
20	Sterilizer should have minimum 2 Universal Serial Bus (USB) port and at least one Ethernet port
21	Sterilizer should have an option to download the processed cycle data through USB port or on network.
22	Vaporizing chamber for low temperature steam, gas and air injection system
23	Dual Zone heating system with variable parameter settings of time, temperature, RH, Gas Exposure and Aeration depending on load and composition of material
24	Should operate on automatic gas puncturing system under NEGATIVE PRESSURE ensuring operator safety.
25	Gas cartridge should puncture automatically between negative pressure of 100m to 200m bars
26	Chamber Gas concentration to be maintained and monitored between 700 to 800mg/ltr during gas exposure period for effective sterilization
27	Sterilizer should automatically enter into inbuilt Aeration Cycle after Sterilization is completed which should be indicated in the visual display provided in the equipment.

28	Sterilizer should have password protected access to emergency aeration.
29	Sterilizer should have all major compliances certification like ISO, USA FDA, UL, CE, etc
30	Sterilizer should be UPGRADABLE to any new version of software
31	System should have In-built Calibration features available in the Equipment and a validation port to perform external calibration/ validation of the equipment.
32	Fully equipped with certified trained Engineers available in India.
33	100 plus installation of similar / equivalent equipment in India.
34	Prices of consumables to be quoted for 5 years
35	Warranty -3-yrs
36	CMC – 4 years

18.Operation Theatre Ceiling light double Dome

1	Description of function
2	Led surgical lights illuminate the surgical site for optical visualizing of small low contrast objects at verifying depths incisions and body cavities.
3	General requirements
	The light shall adopt led technologies to create a homogenouslight patch without emitting any infrared rays.
4	The light systems shall be double light heads, one major and onesatellite.
5	light should have electronic focusing from lcd touchscreen control panel
6	lights should have 4 colour led lamps, white amber, green & red to achieve high cri

	and get the required shades of lights as per different surgical requirements.
7	high power led should be used to provide high lumen to watt ratio which leads to lesser energy consumption and low heat at surgical area.
8	lights should have higher watts leds to achieve high lumen to wattratio which leads to lesser energy consumption and low heat at surgical area.
9	pulse width modulation-controlled driving to ensure less heating of led which increases
10	the major dome shall with automatic illumination control systemwith sensors on the light head. when some part of led is masked by surgeon's head or shoulders. the remaining led's will becomebrighter automatically to compensate the losing illuminaton.
11	light for endoscopy mode.
12	light intensity shall be adjustable between 30% -100% and shouldhave low intensity endoscopy mode.
13	light intensity light field diameter and color temperature shouldbe controlled from light arm control panel
14	the light head shall be of a shape to avoid obstruction to laminar flow on surgical field.
15	The color temperature shall be synchronized & controlled by either light head control panel and wireless control panel
16	the light shall be mountable to celling from single center with 330-degree rotation of all arms. spring arms shall be rotatable at least 330 degree around its own axis.each light head should be rotatable with 540 degree at connecting joint with spring arm to facilitate unobstructed operating field coverage.
17	the thickness of the light head shall be no more than
18	body of light dome should be of aluminum & all led should be directly mounted on aluminum body which is exposed to room temperature for proper cooling of led for prolong working.
19	the surgical light should be complete with all components for celling mount and electrical feed-in including finalized installation
	technical requirement of the major dome and satelite dome
	1. major dome should be atleast 700mm with Minimum 96 LEDs or More
	2. minor dome should be atleast 500mm with Minimum 96 LEDs or More
	3. central illuminance should be 160000 lux & 140000 lux
	4. light field diameter should be adjustable form 150 mm to 250mm.
	5. color temparature (k) adjustable from 3500-5000k
	6. color rendering index ra should be 95 or more.

	7. depth of illumination (I1+I2) should be 1000 mm
	8. dimming range should be between 30-100%
	9. endoscopy mode illumination should be available
	10. the camera output should be displayed on the 22" led panel on the 3rd arm as well as it can be recorded on the recorded supplied maximum setting.
	power supply should be 100-240v ac, 50-60hzc standard
	ISO 9001:2015 from NABCB accredited body
	ISO 13485:2016 from NABCB accredited body
	CE certificate – class 1
	USFDA / EUROPEAN CE (4 digit from a notified body) / BIS
	should compliance with IEC 60601-1, IEC 60601-2, IEC 60601-2-41 demonstration of the equiment matching all atc specification is mandatory

19. Diathermy machine under water cutting

• Unit should comprise of the following functions and Accessories:
• An integrated Electro Surgical Unit (For electrosurgical Cut & Coagulation modes and Bipolar Resection in a Saline Solution)
• The Electro Surgical Generator Touch Screen Display should be user friendly, and Unit should be working on automatic power dosage principle wherein there should be no need to preset any wattage and the system automatically and continuously adjust the power output based on the tissue impedance so that as much power is delivered as much is necessary with least thermal spread and highest degree of safety.
• Unit should facilitate functions of monopolar, bipolar & bipolar resection in a saline solution
➢ The system should make 25 million measurements/sec for enhanced tissue effect and should measure tissue impedance through power peak system.
• Offered Equipment should be US-FDA approved (Certificate to be enclosed)
• The unit should have facility to upgrade to argon plasma coagulation and hydrojet

• System should have wifi compatibility for future OR integration.
• System should have remote function to allow user to access 6 sub programme directly from the sterile field.
• The system should have 2 Bipolar Sockets One Monopolar Socket and One Socket for Bipolar Resection in a Saline Solution
• Unit should have the facility to store 300 programs or applications.
• Unit should have the facility to show the active instruments on the screen display.
• The generator should have an inbuilt feature of accessory assignment.
• The system should be 400 watts with 15 digital signal processors working in parallel for enhanced measurement of tissue impedance and have Wi-Fi communication interface facility to access, change and save the settings
• Each socket should support the Auto start function for bipolar instruments.
• Unit should have precise sect mode for optimized dissection in open or laparoscopi case
• Unit should have an Auto Cut bipolar mode to facilitate bipolar cutting instruments.
• generator should also be compatible with hydro jet to facilitate use of unique hybrid technology instruments for surgical procedures.
• The footswitches should be 100% waterproof (IPX8) and washable in surgical washers.
• The system should have neonatal function with alarm to prevent high current output (above 300mA) when using small patient plate for infants
• <u>Following accessories to be supplied:</u>
• Footswitch with facility for swapping between programs single paddle- I no.
• Footswitch with facility for swapping between programs double paddle-1 no.
• Disposable silicon patient plate with cable 10 no
• Electrosurgical two button hand switching pencil, single use - 10 nos.
• Laparoscopic 5 mm Reusable Bipolar Scissor for cutting & coagulation

instrument. 1- no.
• Monopolar Adapter Bovie Jack-MO 8-socket 4mm- 1 no.
• Under Water Bipolar Resection Cable - 1 no

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 ≤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 60 (Number) days and to complete delivery of all the items and perform incidental services as specified in the contract within 60 (Number days calculated from the date of receipt of your Notification of Award/Letter of credit.

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

We agree to abide by this bid for a period of 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.

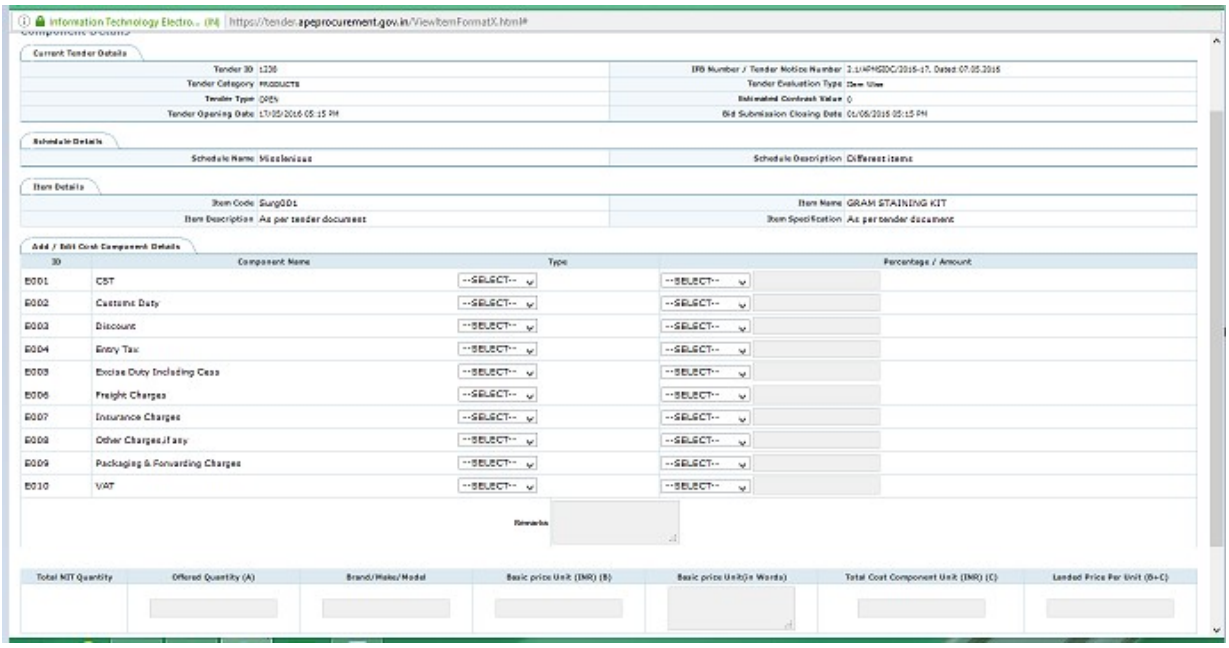
Dated this _____ day of _____

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)



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 THIC AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the conditions of Contract referred to;

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

   (a) The Technical and Price bid of the Supplier
   (b) The approved Technical Specifications,
   (c) The General Conditions of Contract,
   (d) The Special Conditions of Contract, and
   (e) The Purchaser's Notification of Award.

3. In consideration of the payments to be made by the purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provision of the Contract.

4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

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

TOTAL VALUE:

DELIVERY SCHEDULE:

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

Signed, Sealed and Delivered by the

Said _____ (For the Purchaser)

in the presence of _____

Signed, sealed and Delivered by the

Said _____ (For the supplier)

In the presence of _____

SECTION- X: PERFORMANCE SECURITY FORM

To

The Managing Director
APMSIDC,
Mangalagiri, Guntur.

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

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

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

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of _____ (Amount of the Guarantee in Words and Figures) and we under take to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limit of _____ (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____.

Signature and seal of Guarantors

_____

_____

Date _____
Address_____

_____

SECTION XI

FORMAT B1: PROFORMA FOR PERFORMANCE (for a period of last three years)

(Please see Section VI: Qualification Criteria)

Bid No. _____ Date of Opening _____ Time _____ Hours

Name of the Firm _____

Order placed by _____ (Full address of Purchaser)	Order No	Date	Description of Item	Quantity of ordered 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 (2021-22)	Year 2 (2022-23)	Year 3 (2023-24)	Average Annual Turnover
Turn Over (In Rs. Crores)				

B. Details of Net Worth

	Year1 (Last Financial Year i.e. as on 31st March 2024)
Paid up Capital (Rs. Cr)	
(Add) Free Reserves (Rs. Cr)	
Total Net Worth (Rs. Cr)	

_____

(Signature of Bid Signatory)
Seal of the Firm

Certificate from the Statutory Auditor

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

Name of Authorized Signatory(CA):
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 (2021-22)	Year 2 (2022-23)	Year 3 (2023-24)	Average Annual Turnover
Turn Over (In Rs. Crores)				

B. Details of Net Worth

	Year1 (Last Financial Year i.e. as on 31st March 2024)
Paid up Capital (Rs. Cr)	
(Add) Free Reserves (Rs. Cr)	
Total Net Worth (Rs. Cr)	

_____

(Signature of Bid Signatory)

Seal of the Firm

Certificate from the Statutory Auditor

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

Name of Authorized Signatory(CA):

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/warrantee/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 11,800/-	Online
2	EMD	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, wherever required	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/AERB 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

Sl. No	Document Description	Documents to be submitted
21	DPIIT approval (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 fiiled 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	YES / NO

the time of installation?			
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 □ NO □		The equipment is working satisfactorily YES □ NO □	
The equipment was installed and handed over on *(Installation date to be fiiled in by the Head of the institution or by the end user)*			
Name of Service Engr.		Sign.	
Name of End User & Department Mobile No.		Sign.	
Name of Bio Medical Engr. & Organization		Sign.	
Signature of the Superintendent. Mobile No.		Sign. & Seal	
Date: Seal of supplier:		Date: Hospital Seal:	

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

Annexure - II

On Consignee letter Head

Dt:_____

ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT CORPORATION (APMSIDC)

THREE MONTHs PERFORMANCE CERTIFICATE

(to be fiiled 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 □ NO □	
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 □ Not working satisfactorily □
Recommended to settle the final payment	YES □ NO □
Recommend for trial run for one more month	YES □ NO □
Performance of accessories supplied	
Further Training	Required □ Not required □
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 fiiled 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:

Annexure - IV

ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT CORPORATION (APMSIDC)

PREVENTIVE MAINTENANCE CHECK LIST

Equipment Name.

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

Annexure-V

ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT CORPORATION (APMSIDC)

CALIBRATION CHECK LIST

Equipment Name

Model.

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

Annexure-VI

ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT CORPORATION (APMSIDC)

List of Spare Part

Equipment Name :

Make:

Model

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

Signature :

Date :

Name of the
Firm and address :

Annexure-VII

ANDHRA PRADESH MEDICAL SERVICES & INFRASTRUCTURE DEVELOPMENT CORPORATION (APMSIDC)

GENERAL INFORMATION ABOUT THE TENDERER

Name of the Tenderer

Registered address of the firm

State: District

Telephone. No. Fax. No. Email.

3	Address			
	State		District	
	Telephone No.		Fax	
	Email		Website	

Type of Firm (Please □ relevant box)

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

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.	