GOVERNMENT OF ANDHRA PRADESH

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

TENDER DOCUMENT

FOR

Procurement and supply of Cancer Care Equipment, Furniture items and Medical Equipment to Kurnool, KGH, Visakhapatnam, GGH Ananthapur, GGH Kakinada & GGH, Guntur in Andhra Pradesh with a period of Two Years Rate Contract (e- Procurement)

Tender Notice No. : **16.10A/APMSIDC/2022-23, Dt: 23.01.2023.**

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.16.10A/APMSIDC/2022-23 Dt: 23.01.2023.

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 Demand Draft drawn in favour of Managing Director, APMSIDC, Guntur.

   b) Further the bidder/s shall furnish, as part of it bid, the Bid security for the amounts specified in the Schedule of Requirements (Section –V) to be paid in the form of 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.

   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	Three Installments and in the ratio 60:30:10

	equipments and ratio	
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 15-02-2023 to 01-03-2023 up to 02.59 PM
2.	Queries up to	18-02-2023 @ 11.00 A.M
3.	Due date for Receipt of tenders	01-03-2023 up to 03.00 P.M
4.	Time and date of opening of technical Bids	01-03-2023 @ 03.01 PM
5.	Time and date of opening of financial bids	01-03-2023 @ 5.00 PM

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, action will be initiated as deemed fit and the EMD will be forfeited.

e. The Corporation will not hold any risk and responsibility for the loss in transit during uploading of the scanned document, for the invisibility of the scanned document online, and any other problem(s) encountered by the Tenderers while submitting his bids online.

9. Important Instructions to the Bidders:

9.1 Quality of Supplied Equipment throughout its life cycle period, timely supplies and prompt maintenance support during the warranty and CMC period without default are being given paramount importance by the Corporation. The Corporation will be dealing with the defaulters with firm hand, which may lead to blacklisting for a specified period in addition to levying penalties.

9.2 In case of complaints on the quality and poor maintenance support of the products supplied, bills will be withheld till receipt of Satisfactory reports. Further:

- If one item of any Supplier is found of 'Sub-Standard Quality' during the Contract period, then that particular item will be blacklisted for a period of (3) three years immediately succeeding the Contract year
- If two items of any Supplier are found of 'Sub-standard Quality' during the Contract period, then Supplier will be blacklisted for a period of (3) three years immediately succeeding the Contract year

9.3 The Corporation will blacklist the Supplier, who is declared as 'Undependable for two (2) items or in two (2) instances during the Contract period, for a period of one year immediately succeeding the Contract year apart from taking other penal actions under the Contract.

9.4 The decision of the Managing Director, APMSIDC, or any officer authorized by him in respect of the quality of the supplied Equipment and other goods etc., shall be final and binding.

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

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

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 01-03-2023**. The envelopes shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it declared “late".

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

19. Deadline, for submission of bids.

19.1 The Bids (both electronic and Hard copies) must be received by the purchaser, no later than the time and date specified in the Invitation for Bids (Section I). In the event of the specified date for the submission of Bids being declared a holiday for the purchaser, the Bids will be received up to the appointed time on the next working day.

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

20. Late Bids.

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

21. Modification and Withdrawal of Bids.

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

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

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 **01-03-2023** at 03.01 PM.

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

23. Clarification of Bids.

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

24. Technical Evaluation (Preliminary Examination and Pre-Qualification)

24.1 The purchaser will examine the bids to determine whether they are complete, whether required securities have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

24.2 Prior to the financial evaluation, pursuant to clause 26, the purchaser will determine the responsiveness of each bid to the bidding documents. For purposes of these clauses, a responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. The purchaser's determination of bids responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

24.3 Further the purchaser will determine to his satisfaction whether the Bidder is qualified to satisfactorily perform the contract. The determination will take into account the Bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder pursuant to clause 13 as well as such other information as the purchaser deems necessary and appropriate.

24.4 An affirmative determination will be prerequisite for the opening of the financial bids. A negative determination will result in rejection of the Bidder's bid.

24.5 A bid determined as not substantially responsive will be rejected by the purchaser.

24.6 The Purchaser may waive any minor informality or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any bidder.

24.7 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 suppliers performance

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

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

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

23. Liquidated Damages

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

24. Termination for Default

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

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

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

25. Force Majeure

25.1 Notwithstanding the provisions of clauses 22,23,24, the supplier shall not be liable for forfeiture of its performance security liquidated damages or termination or default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

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

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

26. Termination for Insolvency.

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

27. Termination for convenience.

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

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

(a) to have completed and delivered at the contract terms and prices; and / or

(b) to cancel the remainder and pay to the supplier and agreed amount for partially completed goods and for materials and parts previously procured by the supplier.

28. Resolution of Disputes

28.1 The purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.

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

29. Governing Language

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

30. **Applicable law**

30.1 The contract shall be interpreted in accordance with the laws of the union of India and the legal jurisdiction is Hyderabad

31. Notices

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

32. Taxes and duties

32.1 The rates quoted by the bidder shall be deemed to be inclusive of the 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.

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-II), obtained from the Head of the institute or concerned authorities.

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

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

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

13. Prices (Clause 17)

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

14 Sub-contracts (Clause 21)

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

15 Liquidated Damages (Clause 23)

15.1 <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.

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

Sl. No	Item Name	Qty	Warranty (in Years)	CMC (in Years)	EMD (in Rs.)	Average Annual turnover of the Authorized Bidder in the last three years i.e. 2019-20, 2020-21 and 2021-22
1	1.5 Ton AC	88	3	4	15,840	1,32,00,000
2	LED X-Ray Lobby (2 Films)	12	3	-	400	3,00,000
3	White board with Board marker pens	32	3	-	480	4,00,000
4	Examination couch -Gynic	20	3	-	1,200	10,00,000
5	Patient bed with mattresses	170	3	-	7,650	63,75,000
6	Bed side locker	290	3	-	4,350	36,25,000
7	Electronic ICU/Hospital Bed	10	3	4	6,000	50,00,000
8	Wheel Chairs	70	3	-	2,500	21,00,000
9	3D&4D-USG machine with colour Doppler & Elastography (Flat panel)	1	3	4	6,000	50,00,000
10	Compressor	4	3	-	1,200	10,00,000
11	Ortho Pan Tomograme X ray machine	4	3	4	12,000	1,00,00,000
12	Auto transfusion (Cell Saver	2	3	4	6,000	50,00,000
13	Micro drill and saw system for mandible resections	4	3	-	7,200	60,00,000
14	Near infrared indocyanine green fluorescence imaging system for open surgery	3	3	4	22,500	1,87,50,000
15	Book Walter ring retractor systems	4	3	4	3,600	30,00,000
16	Rigid tele laryngoscope with HD camera, Monitor and recording system	5	3	4	4,500	37,50,000
17	Advanced electro diathermy with vessel sealing and accessories	8	3	4	4,800	40,00,000
18	Harmonic Scalpel system	5	3	4	12,000	1,00,00,000
19	Ligasure vessel sealing system	5	3	4	15,000	1,25,00,000
20	Electrohydraulic operation theater table	8	3	4	4,800	40,00,000
21	Dual twin OT lights	8	3	4	7,200	60,00,000
22	Hopkins scope with light source	4	3	4	6,000	50,00,000
23	Intraoperative ultrasound	4	3	4	4,800	40,00,000

24	Biosafety cabinet (Chemotherapy Mixing unit) Class II, B-2 Model	5	3	4	9,000	75,00,000
25	Manual 3-fold ICU Beds	45	3	-	6,750	5,62,500

Processing fee: The participating bidders will have to pay tender processing fee (non-refundable) of **Rs. 11,800/-** in the form of Demand Draft drawn in favour of Managing Director, APMSIDC, Guntur.

Note: If the bidder quotes more than one equipment, then the bidder must have an average annual turnover equal to the sum of the average annual turnovers mentioned against each equipment. However, a bidder having an average turnover of 10 Crores in the last three financial years and EMD 10 lakhs shall be eligible to bid for any number of equipment for the above list.

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.

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**

Technical Specifications

1.1.5 Ton Split AC

1. 3 star rating Split AC (non-inverted model)
2. Copper Condenser Coil and to be supplied with suitable stabilizer to maintain constant voltage supply.
3. BEE rating Year should be 2022 or latest.
4. 3 Year Warranty and installation in scope of supplier.

2 .X-Ray Lobby(LED)-Double Film

1. Should have double film size(14" x 17") capacities.
2. The equipment should have a high level of control luminance, without flicker, from a unit that is easy to clean and maintain.
3. The X-Ray viewing screen illumination should dimmable LED of a minimum of 60000 hours life and shall work on singlephase power supply.
4. Should have minimum 10000 Lux output adjustable.
5. Should have individual brightness & ON/OFF controls.
6. The front panel diffuser should be of a glare-free type.

3.White board with Board marker pens

1. wall mounted white board of 4 L X 4 W feet (+/_ 1)
2. duster/cleaner should be provided along with 2 nos Board marker pen (Black)
3. Floor stand to hold the board to be quoted separately (will be taken if required)

4.Gynecolocial Examination Couch

Electrically operated Chair suitable for all Gynecological procedures Should have following essential specification

1. Should have 3 sectional mattress base with large perineal cut out and detachable leg section
2. Dimensions: Width (Seat section)- Min 570 mm Length (with leg plate)-Min 1750mmLength (without legplate)-Min 1300 mm
3. It should have base and column made up of coated steel and coveredwithABS plasticmoulds to prevent damageand easeof cleaning
4. Shouldbefitted withseamless upholstery
5. Should have electrical stepless adjustment for height, Seat section andback section, Trendelenburg and reverse Trendelenburg using foot andhandcontroller

Height	-560-860 mm
Backsection	- 70°
SeatSection	-+5° to -65°
Trendelenburg	- 10°
ReverseTrendlenburg	-65°

6. It should be possible to keep foot controller anywhere around thecouchas per convenienceof

theclinician
7. Should also have a hand held controller with equal performances andthreeuser programmablepositions forconvenience
8. Shouldbeequippedwithpaperroll holderunder thebacksection
9. Should be equipped with side rail on back and seat section to fixadditionalequipment/accessories needed
10. Should have a retractable stainless steel basin for fluid collection orkeepinginstruments
11. Should be mobile and equipped with central braking system Shouldhaveminimum patient load capacityof 200 Kg
12. Should comply with international safety and quality standards formedical equipment - European CE/FDA/BIS, ISO 13485 andISO14001
13. ShouldbesuppliedcompletewithfollowingAccessories:
a. kneerest withpossibilityof Height,angle andshift adjustment (Pair)
b. Retractable stainless steel Bowl - 1 nocPaper roll holder
dDetachable legsection

5.Patients cots with mattresses
Dimensions: 1900 X 600m
The main frame will be of 60 X 40 X 1.2 CR tubes.
The sheet shall be of 1.2 mm thickness
The sheet will be perforated of 19mm dia and supported with 25 X 25 X 1.2 thick 2 vertical and 3 horizontal supports
The sheet will bent on all 4 sides of 27 X 12 mm size.
All CR sheets shall confirm to I.S:513D quality
Legs shall be made of 40 X 40 X 1.6 CR tube, Cross tube shall be of 30 X 30 X 1.2 mm thick
Bracket of Thickness 35 X 35 X 5 mm fitted with suitable nut bolts.
The head and leg side should be provided with ABS detachable panels.
The bed should be provided with IV rod provision in 4 locations with 10mm thickness rod of 1200mm length made of SS 304 Grade
The bed should be neatly powder coated with minimum seven tank process of sixty micron thickness.
Mattresses should be suitable for cot with HD foam 3inch size
Warranty 3 year

6.Bed side locker basic
Scope: This specification is for the requirement of Bed Side Locker Basic Model in hospitals.
This standard lays down requirements of bedside lockers used in hospital and other similar institutions.
Materials :- 1. Frame Work- shall be according to 2.1 of IS : 4033- 1968+
2. Top- shall be according to 2.2 (a) and 2.2(b) of IS: 4033- 1968+
3. Cabinet Body- shall be according to 2.2 (a) of IS:4033- 1968+
4. Dimensions:-Body of size H 760 X 420 X 420mm W x box height 350mm X 340mmD x 340H and the bottom sheet should be perforated.

5. The main dimensions of the lockers as per below
6. The thickness of tube used for the legs of the locker and the corresponding outside diameter shall be as given below: a. Thickness of C.R Tube1.22mm b. Outside diameter of C.R tube 30mm Round
7. The minimum thickness of metal sheets used for top and body shall be 1.22mm Thickness Top bend size 25 x 12mm with MIG Co2 welding system only.
Manufacture:- SS Top- Stainless steel sheet 304 Grade having a minimum thickness 1.00 mm. The top shall be formed by pressing or bending the edges and welding the corners legs. Legs- Legs of the lockers shall be welded to the top and the body locker cabinet but prior to welding these shall be adjusted in a perfect upright position. Welding /screw /riveting system shall fully penetrate and there shall not be any sharp edges and unsealed formations.
Cabinet: Sides and Back: The sides and Top of the cabinet shall be made in one piece. Back and bottom shall be welded to it. The cabinet top may be superimposed with stainless steel sheet of 0.8mm minimum thickness, if required by the purchaser
Door - Door of the cabinet shall be made by welding 1.25 mm thick CR sheet. The door shall work on pivot hinges and shall be flush with the front of the cabinet. The hinges shall be entirely concealed and hung to swing the door to a maximum
Latch - It shall be door-knob operated latch and it shall operate smoothly. Louvers- the door of the cabinet shall be provided, four ventilating louvers with shutters, having opening facing downward.
The opening shall be approx.75mm long, 10mm wide and 6mm from the surface. Shoes - These shall be manufactured from hard rubber or PVC and shall be uniform in texture and chemically inactive to the action of mild acids. The nominal height of the shoes, shall be 35mm.

7.Electric High End ICU Cot

1. Certified with IEC EN 60601-2-52 international safety for electricity actuated hospital bed
2. CE/FDA/BIS approved
3. Battery backup of 10 times or more for all functions with patient load.
4. 5 electrically operated movements.
5. Safe working load of at least 200Kg.
6. Overall length of 220/±5cm extendable up to 230/±5cm (All dimensions approximate only, minor variations acceptable).
7. Overall width of 100/±5cm with safety sides up or down. (All dimensions approximate only, minor variations acceptable)
8. Should provide with a swing away split/ glide away side board made up of ABS/ PPE/ HDPE. It should be easy to operate and have damping mechanism. Side boards shall go below the bed height and should not interfere the patient coming out of bed
9. Patient and Nursing handset either wired / embedded with easily adjustable controls
10. Removable mattress platform of suitable size made up of ABS/ PPE/ HDPE should be provided 11. Fully removable mattress platform section
12. Minimum under bed clearance of 150mm (minor variations acceptable).
13. Height range of 38cm to 75 cm (+/-7cm) without mattresses
14. Retracting & telescopic upward rising backrest platform movement up to 700 max with angle indicator.
15. Retracting & telescopic upward rising thigh section platform movement up to 300 max ± 50.
16. Linak/ Deworth/ equivalent linear actuator based electrically operated height, knee break, backrest, trendelenburg/reverse trendelenburg tech (+12/-50) functions

17. Should have manual emergency CPR level on both sides.
18. Four anti staticTente/ equivalent twin wheel casters of 125mm diameter with single action linked braking and steer castor lockout system for straight line steering.
19. Lockout switches on attendant Control Panel, single press chair position and emergency head down
20. Built in bed extension with mattress retainer.
21. Blow moulded PPE single action easily removable head & foot end panels.
22. Dual sided integral drainage bag rails with hooks
23. 230V AC 50/60 Hz
24. Electrical shock protection: Class I, Type B compliance
25. Pressure reducing mattress manufactured using high quality multi density polyurethane foam/ visco density foam with bacteriostatic cover. It should be shear less to prevent patient sliding
26. Should provide detailed brochure of the quoted item and the necessary certificates to prove quality (CE/FDA/BIS, IEC 60601 etc) along with tender documents.
27. Oxygen Cylinder holder should be provided.
28. The mattress should be supplied as per the specification. Also need to provide pillows
29. The item Supplying should have the brand name and model name embossed on the Aluminum plate riveted on base frame of the bed (Non removable & Tampered Proof)
30. Antimicrobial powder Coat
31. Should provide with removable heavy duty saline stand made of stainless steel.304 grade and one telescopic saline stand with two hooks. . Should have a provision to fix the telescopic saline stand on all four corners of the bed and also in the middle of the bed on either side
32. Low height indicator should be available
33. 3 years Warranty

8.Wheel Chair Foldable Type
1. Wheel chair shall be of size 670 mm W x 1120 mm D x 92 mm H.
2. Should be made of 16 gauge SS 304 grade tube frames.
3. Should have foldable arms, foldable foot rest
4. Should have a fixed cushion arm rest.
5. Should have fabric back rest with foam.
6. Should have dual brake system
7. Should have fabric seat with foam.
8. Should have minimum 8” swivel solid front wheels, 24” mag type solid rear wheel with pneumatic tire.
9. Should be suitable for 100Kg and above
10. Warranty: 1 year

9.Ultrasound Machine with Color Doppler (3D/4D)

1. Should be a multi-purpose, high performance color Doppler imaging system designed for abdominal, vascular, Obstetrics, Gynecology, cardiology, neonatal, urology, transcranial Doppler, small parts and superficial applications
2. The machine should be mounted on an ergonomic trolley for easy movement and handling
3. The system should have real time 3D Technologies for both convex and TV applications and real time 3D Volume imaging. Should have a scanning depth of at least 30 cms.
4. Should have B-mode, M-mode, color M-mode, Anatomical M-mode, Color flow mode, power Doppler, direction power Doppler, steerable continuous wave Doppler mode.
5. Should have minimum 19” or more high resolution color LED /LCD monitor with tilt and swivel facility and should be able to view in all angles and all light conditions
6. Should have four active ports
7. Should have a Live 3D convex probe of 2-5 MHz for general purpose abdominal, obstetrics and gynaecological applications. Volume rate for real time 3D probe should be minimum 30 volumes per second.

8. Should have 4-9 Mhz broadband Trans-vaginal Probe of FOV 1600
9. Should have a convex probe of 2-5 MHz.
10. Should have a Linear Array probe of 6-12 MHZ.

10.Compressor for Dental Chair

The quoted compressor should be suitable for Confident-Mookambika model.
1. Medical grade, Oil free, Noise free at least 1 HP Compressor.
2. The compressor should be fitted with
a. Built in thermo cut off to save motor during excess of heat
b. auto head air release valve,
c. Automatic cut off
d. Safety release valve
e. Drain Valve
f. The inner surface of the compressor tank (at least 35 L) is coated with Epoxy to prevent rusting.
g. Warranty : 3 years, including all spares and calibration.
ISO 13485 for manufacture
CE/USFDA/BIS for the Compressor

11. Should quote separately for 4-9 Mhz broadband side firing Trans-Rectal Probe (if available) which will not be taken for evaluation.
12. Should have tissue Harmonic Imaging on all probes.
13. The system should have the following display modes B, B/B, B/M real time, B mode with color Doppler, B mode with pulsed Doppler, B mode with color and pulsed Doppler.
14. Should have convex like image on linear probe.
15. Post processing capabilities should be possible
16. The system should have minimum 256 grayscales or more.
17. Should have an alpha-numeric keyboard with easy access scans controls, track ball and status display.
18. The system should have extensive calculation software package for Ob/Gyn, General imaging and vascular studies.
19. The system should have dedicated reporting pages for all the applications.
20. The system should have at least 500 GB hard disk for image storage
21. Unit should function with 200-240Vac, 50/60 Hz input power supply.
22. Unit should be supplied with online UPS with a minimum 30 minutes back-up time.
23. Should have a CD/DVD writer and option to connect external printer.
24. Should be supplied with compatible thermal printer with the unit.
25. Should have DICOM compatibility without additional hardware.
26. Cine loop should be available.
27. The machine should have cardiac package and the rate for Cardiac Probe (2-4 MHz broadband Phased array sector probe) shall be offered.
28. Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid
29. ISO 13485
30. 3 Years warranty including probes.

11.Digital Panoramic X-ray Machine

A. X-Ray Tube
1. Generator: High frequency DC generator, operating frequency at least 40kHz
2. Line Voltage: 230V- 240V, 50-60Hz
3. Tube voltage: 57-85KV
4. Tube Current: 10 mA
5. Exposure compensation: Automatic Exposure Control.

6. Focal spot size: : Between 0.7mm X 0.7 mm and 0.5mm X 0.5 mm as per IEC standards
7. Total Filtration: Equivalent to 2.5mm Al or more
8. Magnification of exposures: Should have a constant magnification
9. Effective exposure time: Adjustable Timer (Pediatric& Adult) for the available imaging programmes.
B. Basic Unit
1. The x ray machine should have AERB approval certification.
2. Should be floor or wall mounted model.
3. Should have fully/semi motorized patient positioning system
4. Should have 3 laser positioning lights – Mid Sagital, Frankfurt and Canine
5. Patient positioning by Bite block, Chin rest, Chin support and motorized/manual temple support. 6. Should have accessibility for wheel chair patients.
7. Should have centralized control system with all functions controlled by colour TFT touch screen or PC, Graphical User Interface (GUI) with digital display of technical factors and selected programmes.
8. Should have an adjustable form of focal trough depending on jaw shape and size of patient.
9. Should have automatic compensation for the cervical vertebrae shadow.
10. The imaging geometry should eliminate the redundant shadows and ghost images.
11. Should have a test mode which disables X-ray radiation during operation.
12. Should have exposure counters separate /or combined for Panoramic, Cephalometry and total no of images
13. Should have the following programs: a) Standard Panoramic Program. b) Pediatric program (low dose, reduced exposure area for small patient) c) Automatic Double TMJ Program d) Sinus program e) Lateral and PA Cephalogram. f) Should Support carpus / hand wrist imaging. g) Submentovertex views.
14. Should have motorized up and down movement.
C. Digital Cephalometric System
1. Should have Computerized automatic cephalometric system.
2. Should have automatic alignment of radiation source
3. Should have functionally designed and easy-to-use head positioner.
4. Should have swiveling nasal support.
5. Should have magnification scale that appear on the image
6. Automatic soft-tissue filter based on the position of the nasion support
D. Digital Sensor System
1. Should have a high resolution CCD /CMOS flat panel sensor for panoramic and cephalometry. It should be possible to take both panoramic and cephlometric image by using the sensor provided. The cost of one additional sensor shall be quoted separately in the BOQ and the cost offered will not be taken for evaluation.
2. CCD pixel size: between 35?m and 150 ?m.
3. CCD active surface: to be specified.
4. Image field: to be specified.
5. Pixel matrix: to be specified.
6. Soft tissue filter should be software operated.
E. PC Configuration Requirements Latest branded computer with following specifications
1. Processor –core i5 4th generation or better or equivalent
2. 8 GB RAM and 1 TB or more on Hard disk.
3. Should include 21” LCD/TFT monitor with high resolution to ensure image quality.(Display /monitor resolution min 1024 x1024 or higher)
4. CD/DVD Burner.
5. Graphics card NVIDIA 2 GB dedicated GPU or equivalent.
6. Accept images from CCD/CMOS sensor without any loss of data.
7. Capable of archiving & printing selected image to a standard DICOM destination in DICOM 3.0 format (or newer versions).
8. Storing images in the local disk for predefined period.
9. Should be with upgradeable imaging software.
F. Functional Requirements For Work Station

1. Built in routine for using predefined image processing parameters for image quality enhancement. 2. Mechanisms for storing the patient image based on name, date, etc.
3. Capability of storing user defined image processing parameters.
4. Capability of overwriting predefined image parameter with user defined parameters & storing these two images separately
5. Correcting typographically in patient demographic module, in case the RIS connection was down and manually data entry was done.
6. Capability of changing W/I, flipping, rotating, zooming, collimating annotating incoming image.
7. Auto routing incoming image to predefined DICOM store (SCP storage) or Print destination (SCP print destination).
8. Mechanism of printing multiple images in one film, with the possibility of slide and True size printing.
9. The work station should let the user select a film size and lay out for hard copies with a WYSIWYG (What you see is what you get), output look up table selection, number of copies selection capabilities.
10. Minimum of 15 pre configured layouts for printing and also possibility of further configuration should be possible.
11. Should be provided with table and chair for workstation.
12. Should provide necessary cabling work for additional workstations.
13. Operating system: Windows 7 or more
G. Software specifications
The system should include the following SW applications as standard:
1. Special attention should be placed on pediatric applications.
2. Software for printing on any DICOM printer.
3. Software for storing images on any DICOM3 or newer versions compliance stations.
4. Software for e-filming application: Any Software upgradeability for 5 years to be done by the company
H. Dry Imager System
1. Print images from work stations.
2. Should be capable of printing images in DICOM format / Direct DICOM Compatibility.
3. Mechanism to print images of OPG, Ceph and multiple image prints of IOPA. The tray should be adjustable to (8" x 10") and (10" x 12").
4. Resolution should be 300- 508 dpi or better.
I. Accessories & consumables
1. Films for Dry Imager system – (8" x 10")- 300 numbers
2. Three folded leaded protective barrier – 1 no.
3. 5 KVA Online UPS with 30 minutes backup for operating all the above mentioned equipment.
4. Lead apron light weight Velcro type 1 no, Thyroid guard -1 No, AERB Approved
5. Air conditioner -2 TR (3 star rating)-1 no.
J. Certifications
1. ISO 13485 for manufacture and CE/USFDA/BIS for all the items quoted.
2. The main unit should be AERB approved.
3. Any warning sign would be adequately displayed.
4. Warranty : 3 years, including all spares and calibration.

12.Auto Transfusion (Cell Saver)

System should be capable of processing blood collected from a surgical site to produce washed red blood cell to return to patient later on.

1. System should work on centrifuge principle and should operate on 0- 10000 rpm with variable speed wash.
2. System should have a smaller foot print with big lockable castor wheel and weight should be less than 60 Kg (inclusive of accessories and cart) for ease of mobility.
3. System should be fully automated with single button operation with self start capability and absolutely minimal user intervention.

4. The system has an in-built and regulated vacuum suction.
5. Centrifugal bowl capacity should be 125-150ml with two stage filling cycle.
6. The system has variable speed pulse wash cycle.
7. System should be approved by US FDA for autologous blood transfusion.
8. Three Suction options, on board 1.SMART SUCTION TECHNOLOGY (volume based , 2.regulated on board suction, 3.and post-op suction.
9. Should be able to continue the procedure and maintain data even in case of power failure. 10. A built in barcode reader to record disposable set, solutions and operator / patients information.
11. The ability to download data using a USB flash drive.
12. A color touch screen display.
13. The noise level of the device should be < 70 db.
14. Device should have effluent line sensor, reservoir level sensor and automatic bowl identification program.
15. RBC recovery should be more than 90%.
16. The device should have post-operative mode to work even after surgery by collecting the blood from the disposable tubing placed in the wound.
17. Completely automated postoperative operation. 18. The device generates the suction in the reservoir.
19. The device begins the processing cycles when an appropriate amount of blood solution collects in the reservoir.
20. System specification:
i. Electrical Specification: Class I, type B, Ordinary, Continuous operation
ii. Power
a. Should be able continue the procedure and able to maintain data in case of power failure. b. Voltage: 110/120 or 220/240 V.
c. Cycles : 50-60 Hz.
d. Phase- Single
e. Current- 11.6/0.8 amps (depending upon voltage selection)
f. Fuses- 4AT/240V
g. Power cord: 2 wire ground (earth) connection, 3 prong hospital grade .
iii. Speed and flow rate specifications
a. Centrifuge- 0-10,000 rpm.
b. Pump- 0-600 ml/min (+/-5%)
iv. Vacuum- 200-280 mbar
v. Temperature Limit
a. Operational: 10-300
b. Storage: 5-30 Degrees
vi. Humidity Range
a. Operational 10-95% non-condensing
b. Storage 10-95% non condensing
21. Should be supplied with 10 sets of consumable accessories in addition to the offered disposable accessories by Supplier along with the one pack of machine.
22. Offered, all inclusive accessories in one pack of machine should be specified and highlighted.
23. Rates of consumable/reagents items should be quoted separately and the company would undertake to supply at the same price for three years, the same would be included in calculation of financial bid.
24. The equipment should have international certification like 4 digit CE/USFDA/BIS

25. Warranty : 3 years, including all spares and calibration.

13.Micro drill and saw system for mandible resections

1) Micro drill It should have:
a. Maintenance free, D C Brushiess motor
b. Maximum Drill Handpiece speed 50000 rpm, Torque: 3.8in/oz
c. Accepts all straight & Angled Handpiece Attachment
d. Snap lock Assembly/Disassembly of all attachments
e. Sterilizable through steam. ETO and Flash Autoclavable
f. FDA/CE/BIS approved
2) Console should have:
a. Should have touch screen display control for incorporating multifunction into systems
b. Should have interactive icons represents system components and functions
c. Outputs should represent in digital figures
d. Weight should be under 5 kg, supply 220-240V only 50-60Hz
e. Should be able to identify different hand pieces with display on console
f. Should have function of controlling brightness, contrast and alarm volumes on the console g. Torque sensing feedback capability
h. Should be programmable as per surgeon preference
i. Multiple ports to use more than one handpeice
j. More than one port for footswitch
k. Built in irrigation system with control
l. Should have options for irrigation control
3) Footswitch It should have
a. Should have fully programmable footswitch as user need
b. User should be able to control following functions via footswitch
a. Forward
b. Reverse
c. Increase decease water flow rate
d. Switch over to high/low speed
e. Increase or decrease speed
4. Attachments for different surgeries:
a. Medium Straight attachment
b. Angled attachment
5) Cutting Accessories:
a. Diamond Bur 2mm-5mm
b. Fluted bur 2mm-6mm
6)Micro Reciprocating Saw:
a. Should cut in a Perpendicular Line
b. Should have Maximum speed of 14000 cpm
c. Maintenance free D.C brush-less motor
d. Snap-lock assembly and disassembly of all attachments
e. Sterilizable through steam, ETO and Flash.
7) Micro Oscillating Saw:
a. Should cut in a right angle
b. Should have Maximum speed of 20000 cpm

c. Maintenance free D.C brush-less motor
d. Snap-lock assembly and disassembly of all attachments
e. Sterilzable through stream, ETO and Flash

8) Micro Sagittal Saw:

a. Should cut in same horizontal plane
b. Should have maximum speed of 25000 cpm
c. Maintenance free D.C brush-less motor
d. Snap-lock assembly and disassembly of all attachments
e. Sterilizable through steam, ETO and flash

9) Connecting cord:

a. should be 10ft long, 3/8" diameter flexible electrical connecting cord.
b. Dot-to-Dor type push pull connectors at both ends
c. Autoclavable

10) Cutting Accessories:

a. Should have blades for oscillating, Sagittal & reciprocating saw

11) Driver

a. Modular, pistol grip handpiece for various drilling, reaming pinning, and cutting purpose with attachments.

12) Certification:

a. The equipment should have international certification like 4 digit CE/USFDA/BIS
b. Warranty : 3 years, including all spares and calibration.

14.Full High DefinitionCamera for ICGFluorescenceGuided Imaging byNear Infra-Red(NIR)Light

1. ThreeChipFULLHighdefinitionCameraSystem

The system should be truly Digital HDTV endoscopic video camera. Thesystem should have the maximum Resolution of 1920 X 1080 pixels,progressive scan and the consistent use of 16: 9 / 16:10 formats for Input&Output to guaranteegenuine HDTV.

- Camera head should be compatible for ICG HD fluorescence guidedImagingbyNearInfraRedforIntraoperativeperfusionassessment

  oftissuesandorgans.
- ICGHDsystemshouldbeeasytohandleandcanbeusedforbothWhitelight &NearInfraRed (NIR) light.
- ThesystemshouldhavefacilityofOptical&DigitalZoomlenstoenhancethequalityofImagesize&crossspecialtyusageofthe

  camerasystem,regardlessofthetelescopeused.
- USBPortforCapturingFULLHDVideos/HDStillsinExternalUSBdriveanddirectinterfaceofUSBPrintertofacilitatedirect
  printouts.
- TheIndividualcomponents(Lightsource,camerasystem,telescopesandfibreoptic cable) areperfectlyaligned toICG HDsystem.
- Systemshouldhavefacilityofcontrollingadditionalequipmentslikelightsource/insufflatorsandrecordingdevicefromthecamerahead.
- Systemshouldhavefacilitytooffervariousvisualizationmodesforsurgeryanddiagnosisbyshiftingthecolorspectrumlike**BLUE&**

GREENlightforrecognitionofthefinesttissuestructuresandtheir
differentiation.

- Parallellivedisplayofvisualizationmodesbesideswhitelightmode(picture-in-picture).
- EasilyUpgradable toflexibleVideo Scopes.

TechnicalSpecifications:

CameraImagesensor:	3X1/3""orlessSizeCCD-Chip.
Pixels	1920 x1080
AGC:	Microprocessorcontrolled
Lens:	Integrated Optical Zoom, F=15-31mm
Control buttons on	3(2ofthemfreelyprogrammable).cameraHead:
Videooutput	2Nos.XDVI-Doutput,1x3G-SDI output, camera input for communication, 2 or more USB connection

ShouldbeprovidedKeyboardandmouseforinputofcharactergenerator andcontrol.

Certifiedto: Safety-IEC601-1, 601-2-18, CSA22.2 No.601, UL 2601and CEaccordingto MDD,protection class1/CF

Product Certification –US FDA and European CE Certified

2. **High Definition Medical Grade Monitor(26Inch) -2 NOS**

Themonitor should have:

HDTVdisplayin original 16: 9 /16:10 HDTVformat.

1080p/50 &1080p/60 displayspossible.

LEDcrystaldisplay.

Max.Resolutionof 1920X1080.

Screendiagonal –26".

Desktopwithpedestal.

Shouldhavethe facilityofPIP mode.

VideoInputs:2*DVI-D,2*3GSDI, 1*SVideo,Composite1

Output:1*DVI,1*3G SDI,1*S-Video

AccessoriesExternal24VDCPowerSupply, MainsCord,Pedestal.Certifiedto: EN 60601-1,protection classIPX 1

ProductCertification–USFDAandEuropeanCEcertified.

3. **XenonLightSourcewithICGHDfluorescencemode.**

- Lamptype:-Xenon 15V,300 Watt
- ColorTemperatures6000K
- LightOutlets –1
- LightIntensityAdjustment:-Continuouslyadjustable,eitherviaamembranekeyboard.
- Facility of switching between white lightand Near Infra Redlight(NIR)fo rICG HD use byfoot switch.
- ToBeprovidedwithSpare Lamp–5Nos.
- CertifiedTo:-IEC601-1&UL544CEAccordingtoMDD,protectionclass 1/CF
- Productcertification –USFDAandEuropeanCECertified.

4. **Fiberopticcable -4 Nos**

- Highlighttransmissionforoptimal ICGHDfluorescenceImaging.
- Extremelyheatresistance.
- ShouldbesuppliedwithDiameter4.8mm,Length250 cm.

5. **Rigid Telescope0Degree&30degree**

- Straight forward telescope 0 degree, enlarged view, 10mm, length31cm,autoclavable,compatiblewithICGFluorescenceguidedimaging by Near Infra Red (NIR) light and white light, fiber opticlighttransmission incorporated.
- Straight forward telescope 30 degree, enlarged view, 10mm, length31cm,autoclavable,compatiblewithICGFluorescenceguidedimaging by Near Infra Red (NIR) light and white light, fiber opticlighttransmission incorporated.

6. **IMAGE/VIDEORECORDINGANDDATAARCHIVINGSYSTEM**

State of the art user friendly Medicalgrade system(certified tobe usedinOT)should beofferedwith

followingfeatures,

- User should have full control of the system from the sterile field viacameraheadbuttons, optionaltouchscreen, andoptionalfoot switch.
- Parallel(synchronicor independent) recordingof twoimagesources.
- Still images and videos (optional with audio) in 2D FULLHD or 3D (with optional 3D-camera system). Water markfeature.
- Intelligent,adaptivestoragemanagement.
- Storagelocationisfreelydefinableandconfigurable.
- Storage on internal memory (2 TB, FIFO), USB storagemedia via 2.0 and 3.0, optical media (DVD writer, Blu-rayreader),network drive,FTP orvia DICOM.
- Automatic storage in the background to reduce thetime between the interventions. Easy managementandoverview ofopen/automaticsaveprocesses.
- Importof patientdatavia keyboardorDICOMworklist.
- Intra-andpostoperativeprintingviaoptionalprinter(localornetwork).
- Variousadaptabletemplatesforprintingtochoose from.
  IntegratedsurgicalchecklistfollowingtheWHOstandardorcustomizable.Basic functions for the editing of still images andvideos.
- Playback of 2D and 3D content on separate monitor (optional 3D-systemrequired).
- Integrated file-viewer for still images, videos and checklists fromdiversedata sources.
- Integratedsecuritysoftwareasaprotectionagainstmalware,independent from security patches of the operating system and itisonlypossible to run certified software.
- Structuredandclearuserguidance,optimizedfortouchscreencontrol.
- Scalablerangeoffunctions.
- Lownoise generationandfastsystemstartduetoSSD-technology.
- Shouldhave seamlessUSBsiliconekeyboardwithtouchpadtoenterdetails
- Controllablevia12""inbuilttouchscreen
- InputVoltage:100-240VAC.
- Input Frequency:50-60 Hz.
- Poweroutput: 350Watt.
- CPU: Intel®Core™i7-2600@3.4GHz.
- Internalmemory:SSD (70GB) |HDD(2TB).
- MemoryRAM: 8GB.
- Connectors:3 x1 GBEthernet(RJ45),6xUSB2.0,2xUSB3.0.
- Imageformat:BMP,JPG,JPG2000.
- Videoformat:MPEG-4, MPEG-2,MOV.
- Videosignalinputs:2xDVI-D.
- Colorsystem:PAL, NTSC.
- Resolutionstillimages:upto1920x1080,Aspectratio 16:9.
- Resolutionvideos:upto1920x1080ProgressiveScanfor25/30frames.
- Preinstalledprinter:SONYUP-DR80MD.
- Typeapproval:IEC60601-1-1,EN60601-1,EN60601-2.

The DICOM 3 interface shall be installed to the system in order to allowthe surgeon to view all the DICOM 3 images stored in the PACS systemon a digital light box within the operating rooms. Furthermore, all intraoperative images recorded can be sent via the DICOM 3 interface to thePACSsystem for furtherprocessing.

ItmustUSAFDAApproved

7. **Signalmanagement/routing system**

Acompactsolutionenablestheeasyandefficientdistributionandindividual routing of several high-resolution video signals, even withoutanintegrated OR.

The HD Video Router shall be a Medical-Grade video routing systemthat accepts up to 4 DVI-D **(2D & 3D signals)** inputs and 4 DVI-D **(2D& 3D signals)** outputs. This shall be utilized to connect various imagingdevicessuchastheEndoscopicCamera,SurgicalCamera,RoomCamera,Surgical

Displays, etc...
Routing the desired input to the desired output shall be possible via 4membranebuttons on front panel,
In addition, this system shall be able to also operate as a distributor inthat any of the selected inputs is simultaneously broadcasted over the 4outputs at thepush of abutton.

- Systemshouldhavefollowingfeatures, Twooperatingmodes – switcher orrouter.
- Convenient use via four membrane keys. LEDs on the front pandisplaythe operatingmodein use
- Easy switching or routing of DVI-D sources in the OR or duringlivetransmission.Thesimultaneousconnectionofadocumentationsystemenablestherecordingofup tofoursources
- Convenient distribution of DVI-D sources in the OR to variousmonitorsorDocumentation systems

Management system can be controlled via a front-button operation, itshouldhave,

- Videoinputs:4xDVI-D
- Videooutputs:4xDVI-D
- Operation:4membranekeys withLEDdisplay
- Max.videoresolution: 1920×1080p; 50/60Hz
- Externaldimensions (w×h ×d): 305 ×83.7×249 mm
- Weight:2.2kg
- Powersupply:100-240VAC;50/60Hz
- Protectionclass: IP20(DIN60529)

8. VideoTrolley

Equipment Cart, rides on 4 antistatic dual wheels equipped with lockingbrakes, central beam with integrated electrical sub distributors with 6sockets,groundingplugs,modularinnature(shouldbeabletoaddshelvesandcomponentslater ifrequired)

Shouldhavecentralmonitorholdertomountmonitorwithheightadjustable,swivelingandtilting,swivelrange approx.360°,loadingcapacitymax. 18 kg,with monitormount VESA75/100
Cart should have following dimensions in mm (w x h x d):Equipment cart: 830 x1474 x730,
Casterdiametershould be125 mm
Cartshouldbecompetibletoaccomodatefollowingswhenrequired,

- Isolationtransformer
- Counterbalanceplate
- CO2cylinderholder
- Monitorholdingarms(lateral)

Product Certification :European CEcertifiedand To providedfromSamemanufacturer

9. Extracorporeal Visualization system compatible with abovementioned camera system for ICG Fluorescence guided imaging byNearInfra-Red (NIR) light.

TelescopeforOpenSurgeryUndermagnificationwithholdingarm:

- Greatdepthoffield
- Largeworkingdistance
- CompactDesign
- Idealsystemforteachingandtraining
- Straight forward telescope 0 degree, working distance 25-77cm,10mm length 11cm, integrated illuminator with fiber optic lighttransmissionincorporated.
- Telescope should be compatible with ICG Fluorescence guidedimagingbyNearInfra-Red (NIR) light.
- GoodmechanismforholdingtelescopeintheshapeofMechanicalholdingarmwhichcanbefittedeasilywithOT/demonstrationtable.
  Holding System Should Be autoclavable and provided from TheSameManufacturer.

ElectronicCO$_2$InsufflatorwithGasheating&highestdegreeofpatient safety.
Itshouldhavefollowingfeatures:

- Gasflow:Shouldmustgiveflow of gasupto50.0l/min.
- Pressure:pre-selectablebetween0-30mmHg(4000Pa).
- Highflowmodeadjustablebetween(0 to50 l/min.)
- Sensitivemodepressure15mmHg&flow15l/minforsensitiveapplication
- Electroniccontrolandcolourtouchscreen.
- Following data are displayed on touch screen:
  -Insufflationmode.
  - PrecutoffSetvalue„"pressure""(0-30mmHgmax).
  - Actualpatientpressure.
  - PrecutoffSetvalue„"gasflow""(0-50l/minmax).
  - Actual gasflow.
  - Gasconsumption(0-999l).
  - Statusofgasheating.
  - StatusonCO2Cylinderpressure.
  - InputCO2gassupplyselectioncentralsupply4.5Kg&directconnectionto CO2 Cylinder to80 bar.
  - Unitshoulddisplaybothsettingofactualandpre-setvalueofflowand pressure.
  - Shouldbe supplied with silicon tubingset-10 Nos.
  - Shouldbesuppliedwithgas evacuationsystem.
  - Opticalandacousticalarmsignalsintheeventofpatientoverpressure.
  - HateableinsufflationtubeforheatingtheCO_2gasuptopatientbodytemperature.
  - ON/OFFgasinsufflationsfromCameracontrolinterface.
- Applicable for use in Laparoscopy, in Thoracoscopy, in Proctology(forTransanalEndoscopicOperations)andforendoscopyoftheupper and lower gastrointestinal tract, as well as in Cardiac Surgery(open or endoscopically assisted cardiac surgery to assure an optimalairextrusionandminimizingriskofairmicroemboliandfordecreasingrateofcontaminationandminimizingriskofpostoperativewoundinfection– forminimallyinvasivecardiacsurgery,e.g.mitralvalvesurgery)andinVascularSurgery(endoscopicvessel harvesting).
- UniversalPowersupply:100-240 VAC,50/60Hz.
- Certified to: IEC 60601-1, CE label acc. to MDD, medical productClassIIb.
- Typeofprotectionagainstelectricalshocks:ProtectionClass1.
- Degreeofprotectionagainstelectricshocks:AppliedparttypeCF.
- Internationalprotectioncode:IP21.
- USFDA &EuropeanCEcertified.

11.SuitableUPSsystem:Recommendationis2.0KVAonlineUPS.

CanbefromIndia fromreputedmanufacturer.

The Individual components (Light source, camera system, telescopes andfiberoptic cable)shouldmustaligned toICG HD system

ALLTHEEQUIPMENTSANDINTRUMENTS SHOULDBEFROM SAMEMANUFACTURERandUSFDA&EuropeanCertifiedwhereeverlisted.

15. Book Walter ring retractor systems

1. Bookwalter retractor Kit III to be provided
2. one year warranty

16.Adult & Paediatric Video Laryngoscopes with accessories

Video laryngoscope Endoscope required with video illumination to visualize and document the operational area for difficult intubation for both adult & paediatric patient on video monitor. It should consist of following features:

Video processing & Monitor

- Monitor Screen size between 8 to 12 inch for display with touch screen to control features with HDMI output for connecting to a big screen which can display picture simultaneously on both screens.
- Monitor should have two ports to connect two video laryngoscope and or two video bronchoscopes or one each at one time and picture can be swapped using touch screen.
- Monitor should be chargeable, to be supplied with charger and should have facility to be used while charging.
- Monitor resolution should be minimum 1920 X 1200 pixels in 16:9 format.
- It should have integrated video processing &Integrated recording of Video & still images should be possible on data card or USB drive with JPEG and MPEG format which can be easily transferred to the computer/laptop. Documented videos & still images should be easily recalled on the monitor.
- Monitor Should have a facility to connect flexible videoscope directly without any special coupler or accessory.
- Monitor should have Picture-in-Picture & side-by-side mode to view images from 2 different blades or flexible video scopes.
- Monitor should be splash proof according to IP 54 and should be shock resistant.
- Single use flexible adult and or paediatric intubating bronchoscope should connect to same Monitor from the same manufacturer.
- Monitor should have lithium-Ion rechargeable batteries and run for at least 100 minutes when fully charged.
- Soft bag from same manufacturer should be supplied to place the monitor and system can also be operated without taking monitor out from the bag.
- Adult and Pediatric angulated Magill forceps from same manufacturer to be provided for foreign body removal and for assisting nasal intubation while using blades

Video Blades for difficult intubation:

• Blades and connection cable should be fully immersible in disinfecting solution.

• Blades can be sterilized using plasma sterilization system. Thermal disinfection up to 93 degrees and Chemo-thermal disinfection up to 65 degrees should be permissible.

• Required standard Macintosh and Miller blades with titanium handles with integrated camera chip and LED light illumination.

• Blades should have anti fogging mechanism.

• Macintosh blade size 0 producing resolution of minimum 800p.

• Macintosh blade size 2 producing resolution of minimum 800p.

• Macintosh blade size 3 producing resolution of minimum 800p.

• Macintosh blade size 4 producing resolution of minimum 800p.

• Miller blade size 0 producing resolution of minimum 800p.

• Miller blade size 1 producing resolution of minimum 800p.

• Miller blade size 2 producing resolution of minimum 800p.

• Special angulated Adult Blade for difficult intubation with device for introduction of suction catheter of size 16-18 Fr., angle of view should be 70 degree or more should be provided with stylet from same manufacturer.

• Special angulated Pediatric Blade for difficult intubation with device for introduction of suction catheter of size 16-18 Fr., angle of view should be 70 degree

• Stylet should not be required for intubation while using Macintosh blades.

• Accessories like protection cap for blades, tray for cleaning and sterilization of blades (at least two blades at a time) from same manufacturer should be provided.

• Tray / storage basket for laryngoscope blades should be provided from same manufacturer

Video Trolley/ Cart:

Trolley to hang monitor & flexible scope with tray should be provided from same manufacturer with height 120 cm, rollable with minimum five legs and antistatic castors, crossbar 25 cm x diameter 25 mm for positioning the monitor, with tray, dimensions (w x d x h): 30 x 20 x 10 cm.

Tray for sterilization/ disinfection:

Suitable tray for sterilization/ disinfection for adult &Pediatric video laryngoscopes & flexible tip endoscopes should be supplied.

- All Video bronchoscope, Video Endoscopes & its Video processing system including Video Blades should be from same manufacturer for total system compatibility for optimal system performance.
- Demonstration of system is must before finalization of opening finance bid.
- **BIS Approved/USFDA Approved / European CE certificate with 4 digit notified body.**

17.AdvanceElectroSurgicalUnit with Vessel Sealer

1. Anintegratedsystemwith300-350Woutputgeneratorandasingletouchscreenfor Monopolar,Bi-PolarandVesselFusionintegratedin onegenerator.
2. The system must be micro-processor controlled which should identify the tissuetypewithafeedback of at least 430000-500000 times/second on real timebasis,andadjustthepowertogetthedesiredsurgicaleffectonthetissue.
3. System should have 2 monopolar output, bipolar output and 1 Vessel Sealingoutput.
4. The Monopolar output must have Cut, Blend, Hemostasis with division (HWD),SoftCoag,FulgurateandSpraymode.
5. TheBi-PolarmusthaveLow,StandardandMacromodewithAutoBi-Polarcontrol.
6. Systemshouldhaveseparatemonopolar,bipolar&VesselSealing footpedal.
7. The system should haveone different Vessel Fusion output which should beable to seal artery, veins along with tissue bundle up to and including 7mm indiameter, and fused vessels should be able to withstand more than 3 times ofnormalsystolicbloodpressure.(authenticcertificatetoproduce)
8. TheVesselsealsystemshouldbeof300-350Wataratedloadof20ohms.
9. Thevessel sealing system should have simple audio visual feedback displayfromthegenerator.Thisshouldinclude:
10. SystemshouldhaveSystemErrorIndicator
11. SystemshouldhaveSystemstatusindicatorssuchasSelftest,readyforuse,readyforsealing/sealcyclecomplete,sealinginprocess
12. Systemshouldhaveusagelimitindicator
13. Systemshouldhaveinstrumentsstatusindicator.
14. Thevesselsealingsystemshouldsupportopenandlaparoscopichandinstruments
15. Thevesselsealinghandinstrumentsshouldhavecuttingindependentofsealing.
16. Thereshouldbeanoptionofenablingordisablingthefootswitches.
17. Thesystemshouldhavedemomodefacilityandrecallfacilitytorecallthelastsettingusedbyuser.
18. Selectablerangeofbipolarcutinitiation.
19. Shouldhavesixcombinationofcuttingandcoagulationsettings

20. Shouldbecompatiblewith Resectscopeof standardcompany
21. Systemshouldhaveaudio-visualalarmfacility,toindicateanybreakageofdirectcontactbetweenthepatientanddpatientplate.
22. Integratedsealwithchoiceofcutof10mmand5mmshouldbethere.
23. Systemshouldhave5mmvesselsealingelectricalinstrumentwithBlunttipfordissectionandfasterprocedure.
24. BothFootswitchand handcontrolmodeshouldbeavailable.
25. SystemshouldhavebothreusableopensurgicalinstrumentsforVesselSealingpurposes.
26. SystemshouldbeCompatible withArgonCoagulator andsmokeevacuator
27. SystemshouldbeUSFDA/EuropeanCE/BISapprove (Provided BISstandardsareavailable)
28. ThesystemshouldbeupgradableandshouldhaveRS232,USB,Ethernetportforonfieldsoftwaredownloads,upgradesandserviceability.
29. Thesystemshouldbecompatiblewithargonmachine&smokeevacuationsystem.
30. Should not have a leakage current
31. Demonstration of Item is required
32. Accessories

Item	**Qty.**
Monopolarfootplate	1
Bipolarfootplate	1
Vesselsealingfootplate	1
Reusablesiliconepatientplate	1
Disposablepatientplate	100
MonopolarPencilwithhandcontrol	20
Bipolarcord	2
BipolarForcepsStraight,Microtip,15cm	5
BipolarForcepsStraight,Macrotip,20cm	5
Laparoscopicinstrument37cm for vesselsealing, 5mm	2
Laparoscopicinstrument 37 cm for vessel sealing and cutting (dissection)	5
Instrumentforvesselsealingopensurgery	2

18.Ultrasonic Scalpel

1 SystemshouldhaveauniversalconnectortoconnectUltrasonicenergyandAdvanced RFenergyinstruments.
2 SystemshouldhaveautomaticinstrumentrecognitionSystemshouldbeCEapprovedorFDAapproved.
3 SystemshouldbeCEapprovedorFDAapproved.
4 Systemshouldhaveatouchscreendisplayforfastandsetupoperationand on-screendiagnostics.
5 System should have ahigh-resolution display with wide viewingangles.
6 SystemshouldhavetheabilityforsoftwareupdatesviaUSBmemorystick.
7 System should be a single generator that provides Ultrasonic energyand Advanced RF energy technology for soft tissue dissection andvesselsealing
8 SystemshouldhaveapotentialequalizationterminalforcompatibilitywithSystemshouldhaveapotentialequalizationterminalforcompatibilitywith other medicalsystems requiringsuchconnections
9 System should conform to the following international standards EN(IEC) 60601-1, EN (IEC)60601-1-2, EN (IEC)60601-2-2, EN(IEC)60601-1-8
10 SystemshouldprovideClass1protectionagainstelectricshock
11 Systemshouldhaveasinglefootswitchforoperatingultrasonicenergyoradvanced RFenergyinstruments
12 System should have the ability to select handswitch or footswitchactivationorbothforUltrasonicandadvancedRFenergyinstrumentsand theabilityto changeselection duringuse
13 System should have 6 international language options with Englishlanguageas default
14 SystemshouldnothaveminimallateralthermalspreadmorethanSystemshouldnothaveminimallateralthermalspreadmorethan1mm.
15 Systemshould nothaveanauto switchoff mechanism.
16 Systemshould havestandbymodeto ensuresafety.
17 SystemshouldcomeequippedwithsystemdiagnosticsandtroubleshootingguideSystemshouldcomeequippedwithsystemdiagnosticsandtroubleshootingguide topinpoint anyproblems inthe systems.
18 System should have onscreen warning display system for generatoroverheating,generatorsoftwareupgrade,handpieceerrorsandinstrumenterrors
19 SystemshouldbeabletopowerultrasonicenergyinstrumentswithSystemshouldbeabletopowerultrasonicenergyinstrumentswith 55.5 KHz frequency and have the ability to power ultrasonic energyinstrumentsin the frequencyrangeof 30-80KHz in future
20 ThehandpieceforthesystemshouldcomewithaninbuilttransducerThehandpieceforthesystemshouldcomewithaninbuilttransducer.
21 System should be compatible for open surgery and for laparoscopicsurgery.
22 SystemshouldbecompatiblewithbothSystemshouldbecompatiblewithboth5mmand10mminstruments.
23 System should have atleast 5 power settings levels with power leveldisplayfor ultrasonicenergyinstruments.
24 Systemshouldbeabletopowerenergyinstrumentswithmicroprocessorcontrolledbipolarelectrosurgicalradiofrequencytechnologywith a quasi-sinusoidalforced impedanceoutput.
25 SystemshouldbeequippedwithsmartadvancedRFenergytechnology to measure the tissue impedance and control the powerdelivery.
SystemshouldbeequippedwithadvancedRFenergytechnology that can simultaneously seal and transect vessels up to and including7mm,largetissue pedicles andvascular bundles.

27 Systemshould be equipped withadvanced RFenergy technologythat provides temperature controlled energy delivery which shouldmaintaintissue temperatureapproximatelyat 100degreeCelsius.
28 System should have Advanced RF Energy hand instruments with auniqueelectrodeconfigurationtominimizethelateralthermalspread.
29 System should have Advanced RF Energy hand instruments withtechnologyto deliverhigh compression uniformlyacross seal area.
30 SystemshouldhaveAdvancedRFEnergy handinstrumentsthatprovide tissue / vessel seal strength to withstand bursting pressure of7times the systolic pressure.
31 Allhandprobesforopenandlapproceduresshouldbeabletosimultaneouslycut andcoagulate tissues.
32 SystemshouldbeabletopoweradvancedRFenergyhandinstruments of 5mm shaft diameter for both open & laparoscopicprocedures with round tip (5mm tip width) in the following shaftlengths(14cm,25cm,35cm&45cm)andshouldbebothhand&footactivated.
33 Systems should be able to power ultrasonic energy hand instrumentsof 5mm shaft diameter for both open & laparoscopic procedures withthefollowingspecifications

OpenSurgeryInstruments:

1. 9cm shaft, curved, tapered tip for precise dissection, seals 5 mmvessels,aswellaslymphaticwith16mmactiveblade&240-degree activation, triggerssupport multiplehand positions.
2. 17cm shaft, curved, tapered tip for precise dissection, seals 5 mmvessels,aswellaslymphaticwith16mmactiveblade&240-degree activation, triggerssupport multiple handpositions.
3. 5mmHandActivatedCurvedCoagulatingShearscapableofsealing blood vessels upto 5mm in diameter, 23 cm shaft length,ergonomichandle
4. CurvedBladehavingtelescopingshaft(10cm-14cm)withintegratedhandactivation control buttons.
5. DissectingHookhavingtelescopingshaft(10cm-14cm)withintegratedhandactivation control buttons.
6. 6.CombinationHookBlade,10cmlong

LaparoscopicSurgeryInstruments:

1. 5mm Lap Hand Activated Curved Coagulating Shears capable ofsealingbloodvesselsupto5mmindiameter,36cmand45cmshaftlength, ergonomichandle.
2. Hand probe with 5mm shaft diameter with 110 degrees of articulationwith 360 degree of shaft rotation with straight tip in the following shaftlength 35 cm and seals and transect vessels up to 7mm.Both open and lapdevices should be having temperature controlled mechanism within thejawcontrollingtemperaturebelow100degree Celsius.
3. 5mm Lap DissectingHook,32cmlong

- Systemshouldcomprise ofthe following

Hardware:

1 Generator
2 Footswitch&Cable

Accessories:

1 Handpiece(Both openand lap)–2 pc
2 GeneratorCart

3 HandSwitchingAdaptor
4 Adaptors forultrasonicand advanced RFenergyinstruments

RFEnergy Instruments:

1. Hand probes (Six each) of 5mm shaft diameter for both open &laparoscopic procedures with round tip (5mm tip width) in thefollowing shaft lengths (14cm, 35cm) and should be both hand &footactivated.Bothopenandlapdevicesshouldbeabletosimultaneouslycut andcoagulate tissues
2. Handprobes(Three)of5mmshaftdiameterforlaparoscopicprocedures with round tip (5mm tip width) in the following shaftlength 35cm and should be both hand & foot activated with 110degree articulation (55 degree each side). Lap devices should beableto simultaneouslycut and coagulatetissues

UltrasonicEnergyInstruments:

3. 9cm shaft, curved, tapered tip for precise dissection, seals 5 mmvessels, as well as lymphatic with16 mm active blade & 240-degree activation,triggerssupportmultiplehand positions–3Pc
4. 17 cmshaft,curved, tapered tip for precise dissection, seals5mm vessels, as well as lymphatic with16 mm active blade &240-degree activation, triggers support multiple hand positions –3 Pc
5. 5mmHandActivatedCurvedCoagulatingShearscapableofsealing blood vessels upto 5mm in diameter with 36 cm shaftlength,ergonomichandle– 6 Pc
6. 5mmHandActivatedCurvedCoagulatingShearscapableofsealing blood vessels upto 5mm in diameter with 23 cm shaftlength,ergonomichandle- 3 Pc
7. 5mm Lap DissectingHook,32cmlong-1Pc

19.Ligasure Standalone Vessel Sealing System)

1	Vessel sealing system should be able to seal artery, veins along with tissue bundle up to and including 7mm in diameter.
2	Fused vessels should be malleable and able to withstand at least 3 times the systolic blood pressure.
3	It should incorporate optimal pressure and precise energy delivery to create a seal at the site of application.
4	The system should be able to seal vessels or tissue bundles faster than any conventional devices (preferably within 2-4 seconds).
5	The system should have a simple audio-visual feedback for activation, sealing complete, seal cycle incomplete and hand instrument status.

6	The system must be future ready with capability of identifying the hand instruments with Radio FrequencyIdentification (RFID)/ through serial port connection. (If the instrument is used earlier the machine should identify to avoid any kind of refurbed instrument)
7	The system must have the feature of automatic software upgrades through RFID/ serial port connection feature present in the hand instruments.
8	The system must be micro-processor controlled which should identify the tissue type with a feedback on real time basis and adjust the power to get the desired surgical effect on the tissue.
9	It should feature a simple interface and should automatically detect hand instruments.
10	Hand instruments should automatically configure the generator.
11	Safety and diagnostic functionality should include automatic fail-safe functions.
12	The system should have USB connectivity for calibration, monitoring and retrieval of logs.
13	It should have the feature to support open and laparoscopic hand instruments for different procedures.
14	It should have a noted thermal spread lesser than 2 mm.
15	The system should have the feature of easier calibration and maintenance through a software interface.
16	The system should have a maximum power output of 270 W at 30 ohms load and open circuit peak voltage of 250 V.
17	Integrated seal with choice of manual cut should be available in 10 mm and 5 mm hand instruments.
18	The system should support 5 mm vessel sealing laparoscopic hand instrument with Blunt tip and / or Marylandjawfordissectioncapabilitiesandlesseroperatingtimewithanassuranceofsealing vesselsuptoandincluding 7mm in diameter.
19	The 5mm hand instruments should have lesser active cool down time to 60 degrees Celsius.
20	The system should support 10 mm vessel sealing instruments
20	Both Footswitch and hand control mode should be available.
21	Should be US FDA and European CE approved.
22	Generator should be equipped with smart technology to measure the tissue impedance and control the power delivery
23	System should have the One Power Button
24	System should have System Error Indicator
25	System should have System status indicators such as Self-test, ready for use, in-service mode, ready for sealing/seal cycle complete, sealing in process
26	Seal cycle incomplete alert,
27	System should have usage limit indicator
28	System should have instruments status or switch stuck indicator.
29	There should be one lap 5mm vessel sealing device.

20.Operation table electro-hydrulic (Electrical with manual over ride)		
		Clinical Purpose : An operating table, sometimes called operating room table, is the table on which the patient lies during a surgical operation. This surgical equipment is usually found inside the surgery room of a hospital.
		Used by Operation Theatre
	2	Techincal Characteristics
	2	Should be electro-hydraulically operated using remote and manually controlled operating table for adjustment of all position (height, back section, lateral tilt, Trendelenburg and anti-trendelenburg). Working range from floor level: 700 - 1000 mm or more +/- 10%
	2	Should be adjustable to all essential positions.
	2	Should be equipped with an Electronic Override Control Panel on the column facilitating all table movements in case of handset failure
	2	Should have frame and bottom made of 304 grade. Stainles Steel material.
		Should habe reinforced five section rusr free stainless steel/auminium alloy table top.
	2.1	Height should be adjustable by electro-hydraulic system
	2.1	Should have detachable head rest which can be easily adjustable to any desired position, above or below the table top
	2.1	Should have interchangeable head and leg section.
	2.1	Head section raised from the Horizontal: 20º-30º
	2.1	Durable and leak-proof hydraulic pump.
	2.1	Head section lowered from horizontal: 28º-30º
	2.1	Back section raised from the horizontal: 60º-70º
	2.1	Trendeleburg: 25-30º
	2.1	Reverse Trendeleburg:≥30º
	2.2	Leg section lowered from the horizontal: 90º
	2.2	Kidney-position should be acheivable by breaking the table.
	2.2	Table-top should be radio-lucent.
	2.2	Should have handset for position selection by in-built stand-by control.
	2.2	User's interface: Manual
	3	Physical Characteristics
	3.1	Dimensions (metric) : 1910 x 530 mm
	3.2	Weight (1bs, kg) : Should be able to bear paitent weight of 250-300 Kgs
	3.3	Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an colling mechanism

	4	Energy Source (electricity, UPS, solar, gas, eater, CO2 ….)
	4.1	Power Requirements: Recharging unit: input voltage - 220V-240V AC, 50Hz
	4.2	Battery operated : yes
	4.3	Protection: The table should be equipped with internal Nattery backup and internal charger.
	5	Accessories, Spare Parts, Consumables
		1) S.S Arm Rest : 2 no.
		2) Anaesthetic Screen: 1 no
		3) Lithotomy Leg Holders with Stirr-Ups: 1 set
		4) Leather Wristlest : 1 set
		5) Padded Leg Rest(Gutter type)
		6) Anti static mattress
	6	Environmental And Departmental Considerations
	6.1	Atmosphere / Ambiance conditioning, Humidity, dust…) Operating condition : Capable of operating continuously in ambient temperature of 10 to 40ºc and relative humidity of 15 to 90% in ideal circumstances Storage condition : capab;e of being stored continuously in ambient temperature of 0 to 50ºc and relative humidity of 15 to 90%
	6.2	User's care, Cleaning, Disinfection & Sterility issues 1. Parts of the device that are designed to come into contact with the patient or the operator should cither be capable of easy disinfection or be protected by a single use / disposable cover. 2. Sterilization not required.
	7	Standards And Safety
		Certifications: FDA(US)/CE(EU) and BIS/CDSCO/ISO 13485:2003; IEC 60601-1,
	8	Training And Installation
	8.1	Pre-installation requirements nature, values, quality, tolerance 1. Availability of 5amp socket 2. Safety and operation check before handover
	8.2	Requirements for sign-off: Certificate of calibration and inspection from the manufacturer
	8.3	Training of staff (medical, paramedical, technicians) OPTIONAL (Depending upon scope of work order)
		1. Training of users on operation and basic maintenance 2. Advanced maintenance tasks required shall be documented.
Warranty	:	with 3 Years Warranty from the Date of Installation

21. Shadow less ceilling type major		
A	GENERAL	
1	USE	
1.1	Clinical purpose	Luminescence shadow less lamp adopts light sources different positions for focus to eliminate shadows of different parts of medical workers.
1.2	Used by clinical department/ward	Operation theatre
B	TECHNICAL	
2	TECHNICAL CHARACTERISTICS (specific to this type of device)	
2.1	1) Double dome : with variable colortemparature and an illuminance of 160,000 lux for one dome and 160,000 lux for the second dome	
	2) Intensity Control in 9 steps for indiviual domes	
	3) Height Adjustment :600mm	
	4) Action Radius :1850mm	
	5) Possible Movements :Radial, Angular & Axial	
	6) Colour Temperature :4500K and above	
	7) LED technology: minimum 40,000 hours lamp life	
	8) Intensity,brightness,contrast and power switch to be made available on handle/wall-check.	
	9) Focal distance(d1+d2)=0.8 to 1.2 m	
	10) Temperature rise on the keep of surgeries to be less than 10°	
	11) CR± approx. 95 or more	
	12) 360° rotation for both arms	
2.2	User's interface	Manual
2.2	Software and/or standard of communication (where ever required)	NA
3	PHYSICAL CHARACTERI STICS	
3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	NA
3.3	Configuration	NA
3.4	Noise (in dBA)	NA
3.5	Heat dissipation	Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism
3.6	Mobility, portability	Ceiling Mobility, portability Handheld device
4	ENERGY SOURCE (electricity, UP S, solar, gas, water, CO 2 ....)	
4.1	Power Requirements	Recharging unit: Input voltage- 220V-240V AC, 50Hz

4.2	Battery operated	Yes (must have a battery back up and the price quoted could be inclusive of this option)
4.3	Tolerance (to variations, shutdowns)	Voltage:±10%,Frequency:±2%
4.4	Protection	Should have over charging cut off with visual symbol.
4.5	Power consumption	NA
5	ACCESSORIES, SPARE PARTS, CONSUMABLES	
5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)	NA
C	BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS	
6	ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS	
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.
		2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
6.2	User's care, Cleaning, Disinfection & Sterility issues	1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
		2) Sterilization not required.
7	STANDARDS AND SAFETY	
7.1	Certificates (premarket, sanitary, ..) Performance and safety standards (specific to the device type);	1. Should be FDA/CE/BIS and ISO 13485 approved product.
		2. Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements(or equivalent BIS Standard)
		3. Shall meet internationally recognised for Electromagnetic Compatibility(EMC)and Electromagnetic Interference(EMI) for electromedicalequipment:IEC 60601-1-2
		4. Certified to be compliant with IEC 60601-2-4 for usability.

7.2	Local and/or international	Manufacturer / supplier should have ISO 13485 certificate for quality standard.
8	TRAINING AND INSTALLATION	
8.1	Pre-installation requirements: nature, values, quality, tolerance	1) Availability of 5 amp socket;
8.2		2) Safety and operation check before handover;
8.3	Requirements for signoff	Certificate of calibration and inspection from the manufacturer
8.4	Training of staff (medical, paramedical, technicians)	1) Training of users on operation and basic maintenance; 2) Advanced maintenance tasks required shall be documented;
9	WARRANTY AND MAINTENANCE	
9.1	Warranty	3 year
9.2	Maintenance tasks	1) Maintenance manual detailing;
9.3		2) Complete maintenance schedule;
9.4	Service contract clauses, including prices	1)warranty of 3 years with free servicing (min. 2 in year) during warranty. 2)The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;
10	DOCUMENTATION	
10.1	Operating manuals, service manuals, other manuals	Should provide 2 sets (hardcopy and soft-copy) of:-
		1) User, technical and maintenance manuals to be supplied in English/Telugu language along with machine diagrams;
		2) List of equipment and procedures required for local calibration and routine maintenance;
		3) Service and operation manuals (original and copy) to be provided;
		4) Advanced maintenance tasks documentation;
		5) Certificate of calibration and inspection
10.2	Other accompanying documents	List of important spares and accessories, with their part numbers and cost;
11	NOTES	
11.1	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided;

11.2	Recommendations or warnings	Any warning signs would be adequately displayed

22.Hopkins scope with light source
Hopkins Scope with Light Source
Hopkins Scope 30 Degree, 5.8mm,20cms -1no
Light source -1no
Application:ENT
If any required accessories to be quoted in remarks for further use
Scope and light source should be 4 digit CE/US FDA/BIS.
Scope and light source with 3 years warranty

23. INTRA OPERATIVE ULTRASOUND FOR GASTRO SPECIFICATIONS
Should have Ultra High Resolution Imaging and Doppler for Clinical Needs
Should have short boot time
Should have graphic processing unit for faster work process
Should have technology for enhancing tissue margins for better anatomical visualization and to improve better organ anatomy from different angles
Nearly 18 to 25” flat panel monitor should have swivel facility
Control panel should be sealed and spill proof for easy cleaning and disinfection
Should have height adjustable mechanism with control panel
Should have facility to compensate the motion related imaging artifacts
Should have technology to maintain auto focus for entire imaging depth
System should have auto axial and lateral gain facility
Should have an internal hard drive to store images
Should be of latest generation digital beam former technology
Imaging Modes: System should have following modes: Ø B mode Ø M Mode Ø Color Doppler Ø Power Doppler Ø Pulsed Wave Doppler Ø Continuous Wave Doppler Ø Tissue Harmonic Imaging Ø Contrast Imaging
In Doppler mode, system should have technology to detect high flow in ROI and place Doppler gates automatically and should provide angle independent Doppler velocity measurements with a compatible transducer
Should have facility to connect at least four transducers
Transducer should have pin less connector for easy insertion and to reduce noise
It is preferable to have system which will be able to communicate with daVinci surgical robot‟s tile pro

The following transducers to be supplied along with the system: All the quoted transducers should be compatible with immersion for disinfection and sterilizable with valid reprocessing methods
2-6MHz convex abdominal transducer with an Autoclavable puncture attachment.
Transducer should have customizable start stop button for freeze, unfreeze, print functions. Should be fully immersible for easy sterilization and also compatible with standard sterilization methods like Sterrad and Steris systems
laparoscopic four-way deflectable convex array transducer with frequency 4 to 12MHz which can be used through normal laparoscopic ports (10-12 mm). It should have inbuilt biopsy channel for ultrasound guided laparoscopic ablations or biopsy. Should be fully immersible for easy sterilization and compatible with standard sterilization methods like Sterrad and Steris systems
A simultaneous biplane imaging transducer with transverse and sagittal arrays. Both arrays should be convex arrays and should be able to provide simultaneous biplane imaging during open surgeries for accurate needle placement during biopsies and ablation procedures. Should be quoted with biopsy attachment. Should be fully immersible for easy sterilization and also compatible with standard sterilization methods like Sterrad and Steris systems.
Should have a liner probe with 12 to 15 MHz per purpose of vascular access
360 Degree 3-20 MHz end probe with at least 60 mm or 6cm Scanning length for the purpose of doing endoanal ultrasound. Transducer should not have any rotating parts inside the aptient. Should be quoted with accessories to perform Endorectal imaging for rectal tumor staging.
The Unit should be USFDA/4 digit CE/BIS Certified. ISO 13485 for the manufacture. Warranty : 3 years, including all spares and calibration.

24.Bio Safety Cabinet Class II Type II	
	Dimensions
1	Exterior Dimensions H x W x D inches (mm) - 61.8 x 51.2 x 31.5 (1568 x 1300 x 800)
2	Interior Dimensions H x W x D inches (mm)* - 30.7 x 47.2 x 18.3 (780 x 1200 x 465)
3	Working Height of Front Window inches (mm) - 10 (254)
4	Maximum Opening Height of Front Window inches (mm) - 21 (535)
5	Shipping Dimensions H x W x D inches (mm) - 68.1 x 55.5 x 36.4 (1730 x 1410 x 925)
6	Weight
7	Net Weight lbs (kg) - 375 (170)
8	Shipping Weight lbs (kg) - 430 (195)
9	Maximum Load of One-Piece Work Tray lbs (kg) - 110 (50)

10	Ventilation System
11	Exhaust/Inflow Air Volume CFM (m3/h) -342 (582)
12	Heat Emission
13	Heat Emission at 25°C Ambient BTU/hr (kW) - 683 (0.2)
14	Filter Specification
15	Supply/Exhaust Air Filter - H14 HEPA EN 1822 99.995% at the most penetrating particle size (mini-pleated)
16	Performance
17	Certification - NSF/ANSI 49, UL
18	Sound Pressure Level dB (A) - 63
19	Lighting Power (fc) ->120
20	Electrical Data
21	Power Consumption, Operating Set Point (kW) - 0.2
22	Current Consumption (Amps) - 1.2
23	Branch Circuit Protection - T 15 Amp fuse or Class B 15 Amp circuit breaker is required
24	The local electrical regulations in the country of use as well as the relevant connection conditions must be observed
25	Supply Management
26	Receptacles- The receptacles have a load capacity of up to 5 A and are protected with T 5 A fuses. When all receptacles are in use simultaneously they must not exceed the maximum total load capacity of 5 A.
27	Features
28	Access Ports 0.94" (24 mm) diameter - 6 (3 on each side)
29	Service Valves - Up to 6 (installed through side wall access ports)
30	Receptacles (Rear Wall) - Single, right side
31	PRODUCT FEATURES:
32	Optimizing Safety and Efficiency Laboratories today are facing new challenges. Safety and reliability continue to be paramount. Yet, there is growing need for improved energy efficiency, simpler operation and less maintenance. Our Thermo Scientific 1300 Series A2 Class II, Type A2 biological safety cabinets provide best-in-class safety, ergonomics and energy efficiency for today's most demanding laboratory applications.
33	More Flexibility for Added Convenience One-piece stainless steel interior is now available as an alternative to our coated interior cabinets. Select either the manual or electric adjustable stand for increased flexibility
34	Ergonomic Design Enhances Safety Sloped Front Cabinet front is sloped 10° for enhanced comfort and reduced operator fatigue
35	Reduced Noise Level Lower noise level enhances the attention and allows user to focus on work without distraction.
36	Spacious Work Area The large, unobstructed work surface increases productivity and safety

37	Single-Piece Work Tray The flat, single-piece stainless steel work tray supports ease of cleaning.		
38	Easy-to-Access Control Panel and Performance Data The large control panel displays valuable safety and performance data and is within easy view and reach from a seated position. The intuitive interface delivers a constant read-out of down flow and inflow velocities and overall cabinet performance status		
39	Smart Clean™ Window Design To reduce risk of sample contamination, our patented window design easily lowers for thorough cleaning of the window's inner surface. This unique design protects the operator by maintaining inflow even when the window is lowered.		
40	Easy Servicing Fan control and power supply can be replaced independently of the DC motor with no need for disruptive decontamination of the cabinet. All cabinet components, including HEPA filters, are easily accessible from the front to allow for rapid service and minimal work disruption. The Smart Clean window design simplifies access to the down flow filter during annual certification.		
41	Exceptional Safety Smooth components are used throughout the cabinet, virtually eliminating the risk of injury during routine cleaning, servicing and maintenance procedures		
42	Worry-free Decontamination The easy to use, optional UV light is programmable from 30 minutes to 24 hours in 30-minute increments, extending bulb life and saving energy.		
43	Efficiency		
44	DC motors offer low energy consumption and designed to offer an expected life of more than 11 years		
45	Night Set-Back Mode reduces airflow to 30% during low-usage periods		
46	Longer filter life*		
47	Longer UV bulb life*		
48	Programmable UV light extends bulb life		
	Warranty	:	3 years, including all spares and calibration

25.Fowlers Cot /ICU Cot (Mechanical 3folders)
1. Overall Size: Buffer to Buffer Approx 2140 mm L x 975 mm W x 490 mm To 725 mm H (Without Mattress).
2. Bed Platform frame size: Approx 2090 mm L x 920 mm W.
3. Mattress Platform size: 1980 mm L x 865 mm W.
4. Buffer to Handle Length: 2325 mm.
5. Four section 1.2 mm (18 G) CRCA M.S perforated sheet top for easy breathing of mattress.

6. Manual adjustments: Height, backrest, knee rest and trendelenberg / Reverse trendelenburg through four screw systems with thrust bearings individually maneuvered by a single handle.
7. Height Raising shall be Comfortable by a Counter weight mechanism with a tension spring having 37.7 mm outside diameter and made from 6 mm diameter spring steel wire and housed in a rectangular telescopic tube boxes.
8. Back Rest and Knee Rest to be fitted with the help of Star Lock instead of conventional nut and bolt.
9. Ratchet rod made of S.S. solid rod 304 Grade.
10. Raised Backrest Angle - 65º
11. Raised Knee rest Angle - 50º
12. Trendelenburg - 10º
13. Reverse Trendelenburg - 7º
14. Back rest - min 43 % of the frame length.
15. Bed frame made from 60 mm x 30 mm x 1.6 mm (16 G) Thick ERW tube shall have proper support. This frame is fitted on the base frame mainly made of 60 mm x 30 mm x 1.6 mm (16 G) ERW tubes on various supporting links made from 10 mm MS flat.
16. The base frame is having expanded tube size 31.75 mm x 2.0 mm (14 G) for mounting on 125 mm dia non-rusting castor wheels having two with brakes and two without brakes.
17. Castor wheels made from high grade non floor-staining synthetic materials with integrated thread guards. Wheel centre having precision ball bearing to run smoothly.
18. A Pair of Collapsible Type Patient Safety Railing shall cover more than 2/3 part of top frame made mainly from ERW tube of 25.4 mm x 1.2 mm thick (18 G) / 25 mm x 6 flats.
19. The bed has head & foot panels detachable by hand without need of any tool. These head & foot panels are mounted in round bracket size 50 mm OD x 48 mm ID made from MS sheet having 2.0 mm (18 G) thick and welded with bed frame and used along with PVC sleeve. Four corner rubber buffers of 100 MM dia.
20. There are four locations on the bed platform to hold stainless steel Telescopic Saline rod 12mm dia with 15.87 mm dia x 1.2 mm (18 G) stainless steel outer covering tube with a knob to mount syringe pump.
21. Patient Working Load - 100 kg.
22. Safe Working Load - 135 kg.
23. Finishing & workmanship in the medical furniture is of prime importance and must be of high standard. All corners shall be rounded off so that there shall be no sharp corners and holes should be burr free.
24. M.S. tubular parts, linkages, flats are to be In-house, pretreated / shot blasted and Epoxy powder coated with coating thickness 50 to 100 microns.
25. All Process Parameters as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 & ISO 13485:2003).

26. Standard Accessories: Polymer Moulded Handle (0195).
27. Accessories:
1. The bed has easily detachable moulded head and foot side panels
2. 12mm diameter Stainless Steel SS304 Telescopic Heavy Duty I.V. Rod to hold syringe pumps and IV fluid bottles with 2 hooks - (Stainless Steel) .
3. Urine Bag Holder
4. Moulded Chart Holder
5. Provided with Four section 4” thk PU Foam of 40 density covered PVC
6. Oxygen cylinder cage Epoxy powder coated
7. M.S collapsible Railing
8. Warranty 3 years

Note:-

1. The Lowest bidder will be considered based on Equipment + CMC and cost of reagents/consumables shall be matched with lowest among all other bidders. (if applicable)

2. If L1 bidder not willing to match the lowest reagent cost, then preference will be given to L2 bidder, and so on. (if applicable)

3. Reagent prices should be quoted in proforma enclosed in as mentioned in above and to be attached in financial bid column. (if applicable)

4. The Quoted reagent prices will be freezed for next 3 years till warranty period. (if applicable)

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 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

- 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.

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 _____

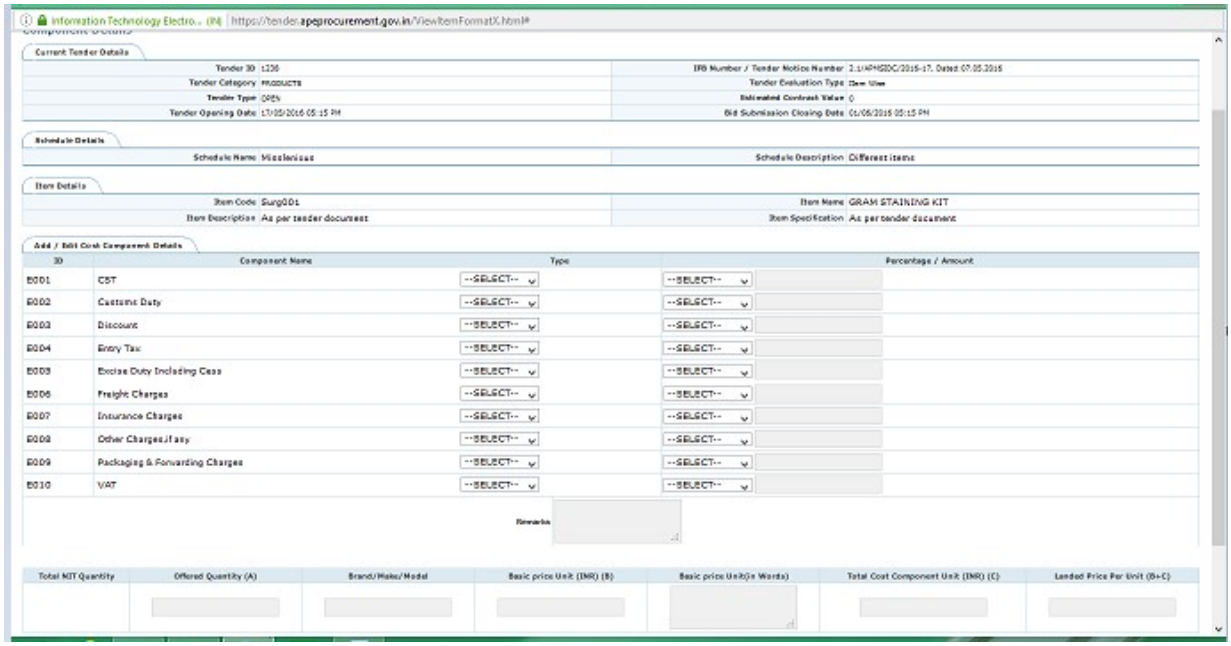
Signature: _____

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

B. Details of Net Worth

	Year1 (Last Financial Year i.e. as on 31st March 2022)
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 (2019-20)	Year 2 (2020-21)	Year 3 (2021-22)	Average Annual Turnover
Turn Over (In Rs. Crores)				

B. Details of Net Worth

	Year1 (Last Financial Year i.e. as on 31st March 2022)
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/-	Offline
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	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 required	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	YES / NO

technical specification/key features was conducted to the satisfaction at 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:	Date:		

Seal of supplier:	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.	