



Office of the Director  
**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES,**

SHEIKHPURA, PATNA – 800 014 (Bihar, India)

Tel.: 0612 – 2297631, 2297099; Fax: 0612 – 2297225; Website: [www.igims.org](http://www.igims.org);

E-Mail: [director@igims.org](mailto:director@igims.org) / [bme@igims.org](mailto:bme@igims.org)

**Tender Notice No.: IGIMS / 2014 – 15 / RC/ 20 / Cardiac & Other Consumables**

**Chapter I- Instruction to bidders**

**“NOTICE INVITING TENDER FOR SUPPLY OF CARDIAC & OTHER INSTRUMENTS / ACCESSORIES / CONSUMABLES ON RATE CONTRACT BASIS”**

1. Indira Gandhi Institute of Medical Sciences, Patna (IGIMS) invites bids from reputed, experienced and financially sound Companies/Firms/Agencies for supply of Cardiac & other Instruments / Accessories / Consumables **on rate contract basis** to the Institute. Those who are in the similar business for the last three years and providing the same service to Central/State Govt. / Reputed Private Hospitals or autonomous bodies may send their bids both Technical and Commercial in sealed envelopes.
2. Complete Tender Document may be obtained from the Store Office, I.G.I.M.S. – Patna (Bihar) on all working days from 10:00 AM to 4.00 PM, by depositing a Demand Draft for Rs. 1,000.00 (Rs. One Thousand Only) payable at Patna and drawn in favour of “Director, I.G.I.M.S. - Patna”. It can also be downloaded from the website of IGIMS - Patna [www.igims.org](http://www.igims.org) till **24 / 03 / 2015 up to 12.00 PM**. The bidders using the tender form downloaded from the website shall enclose a Demand Draft for Rs. 1, 000/- (Rs. One Thousand Only) payable at Patna and drawn in favour of “Director, I.G.I.M.S. - Patna”.
3. The interested Companies/Firms/Agencies may send their bid complete in all respect along with **Earnest Money Deposit (EMD) of Rs. 50,000/- (Rs. Fifty Thousand Only) for Group – A and Group – B (Rs. Ten Thousand Only for Group – C)** in the form of Demand Draft/Bank Guarantee issued in favour of “Director, IGIMS, Patna”, drawn on any scheduled bank payable at Patna and other requisite documents to the undersigned duly superscripted **“Bid for Tender Notice No.: IGIMS / 2015 – 15 / RC - 20 / Cardiac & Other Instrument / Accessories / Consumables”** before **4:0 0 PM on 24 / 03 / 2015**. The bids received after this deadline shall not be entertained under any circumstances whatsoever. In case of postal delay this Institute will not be responsible.

**NOTE: The EMD and Tender Fee draft should be put in the envelope containing Technical Bid failing which the tender shall be rejected forthwith.**

4. The sealed tender should reach the office of the **Director, Indira Gandhi Institute of Medical Sciences, Sheikhpura, Patna – 800 014 (Bihar)** through **registered post / speed post / Courier Services**.
5. **Bids will be opened on 25 / 03 / 2015 at 3:00 PM** in the presence of bidders or their authorized representatives who wish to participate in the bidding process. If the opening date happens to be a closed day/holiday, the tender will be opened on the next working day.
6. Any future clarification(s) and / or corrigendum(s) shall be communicated by the Director, I.G.I.M.S. – Patna through the Institute website [www.igims.org](http://www.igims.org).
7. Director, IGIMS – Patna reserves the right to amend or withdraw any of the terms and conditions contained in the Tender Document or to reject any or all tenders without giving any notice or assigning any reason. The decision of the Director, IGIMS, Patna in this regard shall be final.

Sd/-  
**Prof. (Dr.) N. R. Biswas,**  
**Director,**  
**I.G.I.M.S. – Patna.**

## Chapter-II: Conditions of Contract

### General Terms and Conditions

**Subject: Notice Inviting Tender for supply of Cardiac & Other Consumables on rate contract basis for a period of one year to Indira Gandhi Institute of Medical Sciences - Patna**

#### 1. Parties:

The parties to the contract are the contractor (the tenderer to whom the work have been awarded) and the IGIMS through Director, Indira Gandhi Institute of Medical Sciences, Patna for and on behalf of the Director, IGIMS, Patna.

#### 2. Earnest Money:

Earnest money by means of a Bank Demand Draft/ Demand Draft of **Rs 50,000/- (Rs. Fifty Thousand only) for Group – A and Group – B** may be enclosed with the quotation (Technical Bid). The **Earnest Money for Group – C would be Rs. 10, 000/- (Rs. Ten Thousand Only)**. It is also clarified that the quotations received without earnest money will be summarily rejected. The BG/DD must be prepared in the name of "Director, Indira Gandhi Institute of Medical Sciences, Patna".

- a) No request for transfer of any pervious deposit of earnest money or security deposit or payment of any pending bill held by the Institute in respect of any previous work will be entertained.
- b) Tenderer shall not be permitted to withdraw his offer or modify the terms and conditions thereof. In case the tenderer fail to observe and comply with stipulations made herein or backs out after quoting the rates, the aforesaid amount of earnest money will be forfeited.
- c) The Tenders without Earnest Money or Cost Receipt will be summarily rejected.
- d) The EMD, in case of unsuccessful Bidders shall be retained by the Purchaser till the finalization of the tender. The bid security shall be refunded to the unsuccessful tenderers on written request. No interest will be payable by the IGIMS authorities on the EMD.

#### 3. Signing of Tender:

Individual signing the tender or other documents connected with contract must specify whether he sign as:

- a) A sole proprietor of the concern or constituted attorney of such sole proprietor;
  - b) A partner of the firm, if it is a partnership firm in which case he must have authority to execute the contracts on behalf of the firm and to refer to arbitration disputes concerning the business of the partnership either by virtue of the partnership agreement or by a power of attorney duly executed by the partners of the firm.
  - c) Director or a principal officer duly authorized by the Board of Directors of the Company, if it is a company.
4. A person signing the tender form or any document forming part of the tender on behalf of another person should have an authority to bind such other person and if, on enquiry it appears that the person so signing had no authority to do so, IGIMS, Patna may without prejudice, cancel the contract and hold the signatory liable for all costs, consequences and damages under the civil and criminal remedies available.
5. **The tenderer should sign and affix his firm's stamp at each page of the tender and all its annexure as the acceptance of the offer made by tenderer will be deemed as a contract and no separate formal contract will be drawn. NO PAGE SHOULD BE REMOVED/ DETACHED FROM THIS NOTICE INVITING TENDER.**

6. (a) **Technical Bid:** The tenderer should submit the technical details in **Chapter – IV** of contract form. An undertaking will be given by the bidder that sample of all items will be kept ready by them for inspection by the IGIMS, Patna. Tenders of those bidders whose samples are not found up to the mark will be summarily rejected.
6. (b) **Commercial Bid:** It should be submitted in form given in **Chapter V**. **The price quoted will be exclusive of taxes and inclusive of all applicable charges (i.e. packing, forwarding, postage and transportation) at F.O.R. Store Section, IGIMS – Patna and shall be fixed and final. Taxes, as applicable will be extra, which will separately quoted in the bid. The Bidders will quote for every item.** At the time of payment Income Tax or any other Tax payable shall be deducted at source.

**7. Opening of Tender:**

The tenderer is at liberty either himself or authorize not more than one representative to be present at the opening of the tender. The representative attending the opening of the tender on behalf of the tender should bring with him a letter of authority from the tenderer and proof of identification

**8. Validity of the bids:**

The bids shall be valid for a period of 180 days from the date of opening of the tender. This has to be so specified by the tenderer in the commercial bid.

**9. Right of acceptance:**

The IGIMS, Patna reserve the right to accept or reject any or all tenders / quotations without assigning any reason there of and also does not bind itself to accept the lowest quotation or any tender. Any failure on the part of the contractor to observe the prescribed procedure and any attempt to canvass for the work will prejudice the contractor's quotation or any tender.

**10. Payment Clause:**

The bill in triplicate may be sent to Store Section for settlement after satisfactorily delivery of the material. The bill should have full particulars of the items(s). No payment shall be made in advance nor shall the loan from any bank or financial institutions be recommended on the basis of the order of award of work.

The contractor shall submit the bill only after supply of the material to the satisfaction of the IGIMS, Patna, on receipt of a pre-receipted bill invoice from the Contractor the case of issuing sanction and passing of bill for payment will be initiated. No payment will be made for goods rejected.

**11. Communication of Acceptance / Right of Acceptance:**

IGIMS, Patna reserves all right to reject any tender including of those tenders who fails to comply with the instructions without assigning any reason whatsoever and does not bind itself to accept the lowest or any specific tender. The decision of this Institute in this regard will be final and binding. Any failure on the part of the contractor to observe the prescribed procedure and any attempt to canvass the work prejudice the contractor's quotation.

**12. Performance Security:**

The successful tenderer will be required to furnish **Rs 1, 00,000/- (Rs. One Lakh only) for Group – A only** as performance Security Deposit in the form of Bank guarantee from any Nationalized Bank duly pledged in the name of the "Director, Indira Gandhi Institute of Medical Sciences, Patna" for the period of one and half year from the date of award of the contract within 10 days from the date of acceptance of tender.

The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contract or for unsatisfactory performance or non-observance of any condition of the contract.

**13. Period and Terms of Delivery:**

Delivery of goods shall be made by the supplier within 7 (seven) days of placing of purchase order; however, in case of emergent requirement he has to supply the required quantity of goods within 24 hours of placing of order also. In few cases the items are to be delivered at a very short notice i.e. within 1-2 hours.

**14. Liquidated Damages**

- i) The date of delivery of the store, stipulated in the acceptance of the tender should be deemed to be the essence of the contract and delivery must be completed not later than the dates specified therein. Extension will not be given except in exceptional circumstances. Should, however, deliveries be made after the expiry of contracted delivery period, without prior concurrence of the purchaser and be accepted by the consignee, such delivery will not deprive the purchaser of this right to recover liquidated damages under clause (ii) below.
- (ii) Should the supplier fails to deliver the store or any consignment thereof within the period prescribed for delivery, the purchaser shall be entitled to recover 5 % of the value of delayed supply for a period up to 2 (two) weeks and thereafter at the rate of 10 % of the value of the delayed supply for another 2 (two) weeks of delay. In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

**15. FORCE MAJEURE:**

If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive.

Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may, at least option to terminate the contract.

**16. Insolvency etc:**

In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified IGIMS, Patna shall have the power to terminate the contract without any prior notice.

**17. Breach of Terms and Conditions:**

In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/ job without assigning any reason thereof and nothing will be payable by IGIMS, Patna in that event the security deposit shall also stands forfeited.

**18. Subletting of Work:**

The firm shall not assign or sublet the work/job or any part of it to any other person or party without having permission in writing of IGIMS, Patna, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.

**19. Right to call upon information regarding status of work:**

The IGIMS, Patna will have the right to call upon information regarding status of work / job at any point of time. To assist in the analysis, evaluation and computation of the bids, the Purchase Committee of IGIMS, Patna, may

ask bidders individually for clarification of their bids. The request for clarification and the response shall be in writing but no change in the price or substance of the bid offered shall be permitted.

**20. All payment shall be made by Cheque only:**

The IGIMS, Patna shall be at liberty to withhold any of the payment in full or in part subject to recovery of penalties mentioned in the preceding Para.

The term 'Payment' mentioned in this Para includes all types of payment due to the contractor arising on account of this contract excluding EMD and Security Deposit governed by separate clauses of the contract.

**21. Disclaimer:**

The near relatives of employees of IGIMS, Patna are prohibited from participation in this tender. The near relative for this purpose are defined as:

Members of a Hindu undivided Family, Their spouses the one related to the other in the manner as father, son(s), Son's wife (daughter-in-law), daughter(s) and daughter's husband (sons-in-law) brother (s) and brother's wife, sister(s) and sister's husband, brother(s)- in-law.

**21. Fall Clause:**

If at any time during the period of contract, the price of tendered items is reduced or brought down by any law or act of the Central or State Govt. or by the tenderer himself, the tenderer shall be morally and statutorily bound to inform IGIMS, Patna immediately about such reduction in the contracted prices. The IGIMS, Patna is empowered to unilaterally effect such reduction as is necessary in rates in case the tenderer fails to notify or fails to agree for such reduction of rates. In case of any enhancement in Excise Duty/Custom Duty due to statutory Act of the Govt. after the date of submission of the tenders and during the tender period, the additional excise duty/custom duty so levied will be allowed to be charged extra as separate item without any change in price structure of the items approved under the tender. For claiming the additional cost on account of the increase in excise duty/custom duty, the tenderer should produce letter from the concerned excise authorities indicating his commitment for the supply made to the IGIMS, Patna on account of the increase in excise duty/custom duty.

**22. Arbitration:**

If any difference arises concerning this agreement, its interpretation on payment to the made there-under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision by an Arbitral Tribunal containing Sole Arbitrator to be appointed by the Secretary, Department of Legal Affairs. Such requests shall be accompanied with a panel of names of three persons to act as the sole arbitrator. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of Arbitration and Conciliation Act, 1990 and the rule framed there under and in force shall be applicable to such proceedings.

**23. Legal Jurisdiction:**

The agreement shall be deemed to have been concluded in Patna, Bihar and all obligations hereunder shall be deemed to be located at Patna, Bihar and Court within Patna, Bihar will have Jurisdiction to the exclusion of other courts.

**24. Periodicity/ Duration of Tender:**

The tender is **initially for a period of one year** and may be extended for a further period of 12 months or more on year to year basis with mutual consent on the same terms and conditions and rates.

**25. Other Conditions:**

- The successful firm will be required to do the work / job for a period of one year from the date of award the contract. IGIMS, Patna shall, however, reserve the right to terminate the contract at any time without assigning any reason.

- The job will be entrusted on the basis of all inclusive rate contract on as is where is and competitive rates basis.
- The firm should be registered and **should have the turnover of Rs. 25, 00,000/-** (Rs. Twenty Five Lakhs only) per year in the last three consecutive years (i.e. 2012-13, 2013-14 & 2014 – 15). The firm has to submit a proof of turnover as mentioned above supported by documentary materials. **This clause is not applicable for the items mentioned in Group – C.**
- The firm should also have a valid TIN number, which should be mentioned.
- The Tenderers should furnish a copy of S.T. /C.S.T./VAT registration number, the State / U.T. of registration and the date of such registration. Tenders not complying with this condition will be rejected.
- The tenderers should submit along with the tender, a photostat copy (duly certified) of the last Income Tax return and copy of current valid income tax clearance certificate (IT CC) otherwise tender may be ignored.
- IGIMS – Patna shall be the sole authority to cancel or amend the order, as per requirement, and also to place order for supply of item beyond office hours/holidays/place of supply for which, no additional payment shall be made.
- The tendering Firm/Agency/Company shall be bound by the details furnished by him/her to the IGIMS - Patna while submitting the tender or at subsequent stage. Upon selection of the tendering Firm/Agency/Company, if at any stage, the documents furnished by him/her is found to be false or the quality of the articles or rates are found of poor quality/different specifications, it would be deemed to be a breach of terms of contract, the contract shall be cancelled at the discretion of competent authority and performance security shall be stand forfeited.
- If the Local Authorized Dealer of any Manufacturing Company is participating in this Tender, he will allowed to be submit the Manufacturer's Companies duly certified Audited Accounts, Copy of Income Tax Return for Last Three Financial Years and Annual Turnover of not less than Rs. 25 Lakh. Rest document like Affidavit, EMD, TIN No., VAT No., Registration Certificate of the Firm shall be submitted by Local Authorized Dealer / Firm of his own.
- The rate quoted by the participating Firm/Agency/Company should not be higher than the rates at which the items are being supplied by it to other Government Institutes/Ministries/Departments/PSUs. If subsequently it is found that the firm has supplied such items at higher rates to the Indira Gandhi Institute of Medical Sciences (IGIMS), Patna, the excess amount shall be recovered from the Performance Security and/or from the pending bills of the firm along with a penalty of Rs. 5000/- (Five Thousand) on firm on such occasion and shall be doubled on subsequent occasions.
- The selected tendering Firm/Agency/Company shall also provide the name and mobile number of a key person, who can be contacted at any time, even beyond the office hours on holidays. The person should be capable of taking orders and making arrangement for supply of the desired items even on short notice to IGIMS, Patna.
- In case the quality of goods supplied are not in conformity with the standard given in tender and as per the samples supplied or the supplies are found defective at any stage these goods shall immediately will be taken back by the supplier and will be replaced with the tender quality goods, without any delay. The Purchase Committee reserves all right to reject the goods if the same are not found in accordance with the required description / specifications and liquidates damages shall be charged.
- The Specification and quantity of the item needed is mentioned in Financial Bid but it is approximate detail and is subject to increase/decrease at the discretion of the Purchase Committee of IGIMS, Patna. The payment would be made for actual supply taken and no claim in this regard should be entertained.
- If a tendering Firm/Agency/Company decides to withdraw from the bidding before the financial bids are opened, the IGIMS, Patna shall have the authority to forfeit the EMD deposited with the technical bid.

- **Full description & specifications, make/brand and name of the manufacturing firm must be clearly mentioned in the tender failing which the tender will not be considered.** The tendered must also mention whether the goods are imported / indigenous. Descriptive literature / catalogues must be attached with the tender in original failing which tender may be ignored.
- The rate quoted should be firm and final and written in ink or typed against each item and should in no case be overwritten.
- Each page of the Tender Notice to be signed and stamped by the bidder in token of having accepted the same.
- The IGIMS, Patna reserves the right to place an order for supply of any items mentioned in the Financial Bid or otherwise, to any other firm(s) in emergency/unavoidable situation.
- Details regarding item description, quantity, Company preference etc. has been given against each item in the Schedule of Requirement. Rates should strictly be quoted accordingly. Items where brand has not been indicated, rates should be quoted for best available/good quality product conforming to the prescribed/prevaling standards.
- The quantity shown in the schedule is an estimated requirement and there is no guarantee that the order for the same will be placed; it may be change as per requirement of the hospital or can be totally cancelled after giving order by the competent authority.
- All the damages in transit or manufacturing defect etc., detected at the time of supply shall be at the risk and cost of the supplier.
- All samples / supplies rejected shall be removed by the supplier or through his authorized representative within the period of one week from the date of submission / intimation. If the goods are not collected within the stipulated period it will be disposed off in any manner deemed fit by the IGIMS – Patna.

Sd/-  
**Director,**  
**I.G.I.M.S. – Patna.**

## Chapter - IV Contract Form

### TENDER FORM - 1 - TECHNICAL INFORMATION AND UNDERTAKING.

(Tenderer may use separate sheet wherever required)

#### A.: To be filled by the bidder and submitted along with the **Technical Bid.**

Sl. No.	Terms & Conditions as per Bidding Document	Page No.	Remarks
1.	<b>Status of Bidder:</b> <ul style="list-style-type: none"><li>• Manufacturer or Authorized Agent of the Manufacturer</li><li>• Whether Public Undertaking, Public Ltd., Private Ltd. Company or Proprietary Firm</li></ul> <b>(Please attach Notary certified MANUFACTURER'S AUTHORISATION FORM as per FORMAT placed at Annexure – II)</b>		
2.	<b>Power of Attorney as per Annexure - V attached in favour of person to sign, submit and negotiate the bid.</b>		
3.	Certificate towards market standing of <b>minimum 03 years</b> in the area of supply of various consumables in a hospital.		
4.	List of Major Customer may be given on a separate sheet and proof of satisfactory supply, if any <b>(Annexure – VI)</b>		
5.	Statements of turnover per year for last three successive years duly certified by the Chartered Accountants.		
6.	Whether Bidders have quoted for each and every item mentioned in Notice.		
7.	Whether rates quoted are inclusive of all taxes or not.		
8.	Whether rates are quoted as per format mentioned in the Bidding Document or not.		
9.	Affidavit to the effect that the bidder is not blacklisted by any Govt. agency or have no pending case either Civil or Criminal against them.		
10.	Affidavit, to the effect that the bidder is not supplying the quoted item(s) to any other Govt. / Pvt. Organizations / Institutions / Hospitals at the rate lower than the rate quoted against this tender.		
11.	<b>Quality Assurance Certificate</b> like ISI, ISO-9002, IP/BP, CE, FDA (US) or any other (please specify)		
12.	<b>Bid Security</b> amount deposited is enclosed or not. If		



	yes, please mention the details.		
13.	Details of the cost of the Tender documents worth Rs. 1, 000/- (Rs. One Thousand only)		
14.	Acceptance of all terms / conditions mentioned in the Tender Notice.		
15.	<b>PAN and copies of Income Tax Returns</b> for the last three years.		
16.	Sale Tax Registration No. & Duly attested copy of sales tax registration certificate.		
17.	TIN No. with Proof		
18.	Undertaking as per Annexure – I.		
19.	Declaration as per Annexure – VII.		
20.	<b>Compliance Statement</b> with relation to the technical specifications as mentioned in the bidding document duly supported by the original catalogue.  <b>(For Group – B Only)</b>		
21.	<b>User List</b> (List of Govt. / Semi Govt., Reputed Pvt. Hospital) where quoted model of the items has been supplied and installed.  <b>(For Group – B Only)</b>		
22.	<b>Supply Order</b> copy (Minimum five nos. or more) issued by Govt./Semi Govt./Reputed Pvt. Institutions/organization for the quoted items. ( same model) <b>(For Group – B only)</b>		
23.	<b>Performance certificate</b> of the same supplied machine (of quoted make and Model) issued by <b>Head of the deptt. or Institution</b> after a minimum period of six months of installation  <b>(For Group – B only)</b>		
24.	Any other information important in the opinion of the tenderer		

**Note:**

**Page number/serial number may be given to each and every page of Tender Documents and photocopies of the documents attached. Mention Page number, wherever the copy (ies) of the document(s) is kept.**

**In case of non-fulfillment of any of the above information/ document(s), the Tender will be summarily rejected without giving any notice.**

(Signature of the Tenderer with stamp of firm)

Dated:  
Place:

## Chapter - V Financial Bid

### Format for Financial Bid

(To be submitted on the letterhead of the company / firm)

### List of Items

#### Group – A: Department of Cardiology

Sl. No.	Name of Items	Unit in which items to be procured	Make / Brand / Specification	Rate per unit of items (Excluding Tax) (In Rs.)	TAX / VAT	Total Rate Including TAX / VAT
1.	<b>As per list attached.</b>  <b><u>Annexure - A</u></b>					
2.						
3.						
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15.						
16.						

#### Group – B: Department of Cardiology

Sl. No.	Name of Items	Unit in which items to be procured	Make / Brand / Specification	Rate per unit of items (Excluding Tax) (In Rs.)	TAX / VAT	Total Rate Including TAX / VAT
1.	<b>Environmental Decontamination System</b> (Technical Specifications are as per Annexure – B)					
2.	<b>Disinfectant Generation System or Automated MIXED oxidant generation system</b> (Technical Specifications are as per Annexure – B)					
3.	<b>Superheated Dry Steam Sanitizer Or Dry Steam Disinfection System</b> (Technical Specifications are as per Annexure – B)					

4.	<b>ULV Fogger - Premium</b>  (Technical Specifications are as per Annexure – B)					
5.	<b>Cardiac Biomarker Instruments</b>  (Technical Specifications are as per Annexure – B)					
6.	<b>Portable Blood Gas and Electrolyte Analyser</b>  (Technical Specifications are as per Annexure –B)					
7.	<b>ETHYLENE-OXIDE STERILIZER / AERATOR COMBINATION</b>  (Technical Specifications are as per Annexure – B)					

**Group – C: Misc. Accessories / Consumables**

Sl. No.	Name of Items	Unit in which items to be procured	Make / Brand / Specification	Rate per unit of items (Excluding Tax) (In Rs.)	TAX / VAT	Total Rate Including TAX / VAT
1.	EEG / EMG Jelly / Paste					
2.	Ultrasound Jelly					
3.	ECG Jelly					
4.	Ionic IV Contrast Media					
5.	Single Blood Bag (350 ml)					
6.	Syringe – 50ml					
7.	Formlin Tablet					
8.	Dettol Solution (Hospital Pack)					
9.	Sevlon Solution (Hospital Pack)					
10.	Carbolic Acid					
11.	Formalin – 5 Ltrs.					
12.	Surgical Spirit					
13.	Halothane – 250 ml					
14.	Isoflurane – 250 ml.					
15.	Xylocaine Jelly					
16.	Sodalime for use with Anesthesia Machine					
17.	Oxalic Acid					
18.	Sodium Hypo Chloride					
19.	Laryngoscope Set comprising one Handle, 4 Blades (Adult)					
20.	Ambu Bag (Adult & Paed., Silicon – White)					
21.	Face Mask (0 – 4 Size)					
22.	Endotracheal Tube					

	(Plain), Size – 2.0mm to 5.0mm bore)					
23.	Endotracheal Tube (Cuffed), Confirming to F-29 standard Size – 2.0mm to 5.0mm bore)					
24.	Breathing Bag (Black, Size: 0.5 to 3.0 Ltrs.					
25.	Breathing Bag (Green, Size: 0.5 to 3.0 Ltrs.)					
26.	B. P. Apparatus – Diamond					
27.	Bair – Hugger Patient Warmer					
28.	Resuscitation Kit					
29.	ECG Roll (Compatible with BPL 108 Digi ECG Machine)					
30.	TMT Paper for use with “Cardiovit CS – 200 Schiller” TMT Machine.					
31.	Gauze Than					
32.	Soap (Small, Lifebouy /Dettol)					
33.	Cotton Roll					
34.	Morphen Tablet & Injection					
35.	Disposable Syringe (Dispo Van) – 2ml					
36.	Disposable Syringe (Dispo Van) – 5ml					
37.	Disposable Syringe (Dispo Van) – 10ml					

1. I/We have gone through the terms & conditions as stipulated in the tender enquiry document and confirm to accept and abide the same.
2. No other charges would be payable by the Institute.

**Authorized signatory of the bidder with seal.**

**Note: The requirement given for any item is only tentative. The order will be given in phase manner as per requirement of the institute. It may increase or decrease by the institute.**

**(To be attached in Technical Bid)**

**Undertaking**

That I/we have carefully studied all the terms & conditions of NIT and shall abide by it.

That I/We shall supply the items of requisite quality.

That I/We undertake that the information given in this tender are true and correct in all respect and I/We hold the responsibility for the same.

That I/We undertake that sample of items will be kept ready for inspections by the IGIMS, Patna. I/We shall be responsible for the cancellation of tender if samples are not up to mark.

(Signature of the Tenderer with stamp of firm)

Date:

Place:

Annexure - II

(To be attached in Technical Bid)

**FORMAT FOR MANUFACTURER'S AUTHORISATION**

To,  
The Director,  
Indira Gandhi Institute of Medical Sciences (IGIMS),  
Sheikhpura,  
Patna – 800 014 (Bihar, India)

Dear Sir,

Ref. Your Tender Notice No.: \_\_\_\_\_, due on \_\_\_\_\_ We,  
\_\_\_\_\_ who are proven and reputable  
manufacturers of (*name and description of the Items offered in the Quotation*) having factories at  
\_\_\_\_\_,  
\_\_\_\_\_ hereby authorize Messrs  
\_\_\_\_\_ (*name and address of the agent*) to  
submit a Quotation, process the same further and enter into a supply contract with you against your requirement  
as contained in the above referred Quotation Form for the above items manufactured by us.

We further confirm that no supplier or firm or individual other than  
Messrs. \_\_\_\_\_ (*name and address of the above agent*) is  
authorized to submit a tender, process the same further and enter into a supply contract with you against your  
requirement as contained in the above referred Quotation Form for the above items manufactured by us.

We also hereby confirm that we would be responsible for the satisfactory execution of supply contract placed on  
the authorized agent.

We also confirm that the price quoted by our agent shall not exceed than that which we would have quoted  
directly.

Yours faithfully,

[Signature with date, name and designation] for and on behalf of Messrs  
[ Name & address of the manufacturers ]

**Note:-**

**This letter of authorization should be on the letter head of the manufacturing firm and should be signed  
by a person competent and having the power of attorney to legally bind the manufacturer.**

**Original letter may be enclosed with Quotation Form during submission in the sealed cover.**

**BANK GUARANTEE FORM FOR EMD**

Whereas \_\_\_\_\_ (hereinafter called the “Bidder”) has submitted its quotation dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called the “tender”) against the purchaser’s tender enquiry No. \_\_\_\_\_ Know all persons by these presents that we \_\_\_\_\_ of \_\_\_\_\_ (Hereinafter called the “Bank”) having our registered office at \_\_\_\_\_ 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 \_\_\_\_\_ 20\_\_\_\_. The conditions of this obligation are:

- (1) If the Bidder withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the Bidder having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
  - a) fails or refuses to furnish the performance security for the due performance of the contract,
  - or,
  - b) fails or refuses to accept/execute the contract,
  - or
  - c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged.

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 it owing to the occurrence of one or both the two conditions, specifying the occurred condition(s).

This guarantee will remain in force for a period of 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)  
Name and designation of the officer  
Seal, name & address of the Bank and address of the Branch

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY**

(To be executed by any scheduled bank, on a non-judicial stamp paper under bank's covering letter mentioning address of the bank)

**To,**  
**Indira Gandhi Institute of Medical Sciences, Patna**  
**Sheikhpura, Patna – 800 014 (Bihar)**

In consideration of Indira Gandhi Institute of Medical Sciences, Patna [hereinafter referred to as IGIMS', which expression unless repugnant to the context and meaning thereof shall include its successors and assigns] having agreed to exempt M/s \_\_\_\_\_ [hereinafter referred to as 'supplier /contractor' which expression unless repugnant to the context and meaning thereof shall include its successors and assigns] from depositing with IGIMS a sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) towards security / performance guarantee in lieu of the said contractor having agreed to furnish a bank guarantee for the said sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) as required under the terms and conditions of contract / work order no dated \_\_\_\_\_ [ hereinafter referred as the order'] placed by IGIMS on the said supplier /contractor. We, \_\_\_\_\_ the bank [hereinafter referred to as 'the bank' which expression shall include its successors and assigns] do hereby undertake to pay IGIMS an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) on the demand made by IGIMS on us due to a breach committed by the said supplier /contractor of the terms and conditions of the contract /order.

1. \_\_\_\_\_ We \_\_\_\_\_ the bank hereby undertake to pay the amount under the guarantee without any demur merely on a demand from IGIMS stating that there is a breach by the supplier / contractor of any of the terms and conditions contained in the order or by the reasons of the supplier's / contractor's failure to comply with the terms and conditions as stipulated in the order or amendment(s) thereto. The demand made on the bank shall be conclusive as to the breach of the terms and conditions of the order and as regard to the amount due and payable by the bank under this guarantee, notwithstanding any dispute or disputes raised by the said supplier / contractor regarding the validity of such breach and we agree to pay the amount so demanded by IGIMS without any demur. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_).

2. We, the bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till the dues of IGIMS under or by virtue of the said order have been fully paid and its claim satisfied or discharged or till IGIMS certifies that the terms and conditions of the order have been fully and properly carried out by the supplier / contractor and accordingly discharge the guarantee.

3. We the bank, undertake to pay to IGIMS any money so demanded notwithstanding any dispute or disputes raised by the said supplier /contractor in any suit or proceedings pending before any court or tribunal relating thereto as our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the said supplier / contractor shall have no claim against us for making such payment.

4. We \_\_\_\_\_ the bank further agree that IGIMS shall have full liberty, without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the order / contract or to extend time of performance by the said supplier / contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the IGIMS against the said supplier / contractor and to forbear or enforce any of the terms and conditions relating to the order and shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier / contractor or for any forbearance, act or omission on the part of IGIMS or any indulgence by IGIMS to the supplier / contractor or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us.

5. Our liability under this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) and shall remain in force up to \_\_\_\_\_ unless demand or claim under this guarantee is made on us in writing within 6 months from the date of expiry viz. \_\_\_\_\_. We shall be discharged from all liabilities under this guarantee thereafter.

6. This guarantee will not discharge due to change in the constitution in the bank or the said supplier / contractor.

7. The bank hereby agrees to address all the future correspondence in regard to this bank guarantee to The Director, Indira Gandhi Institute of Medical Sciences, Patna.

8. We, \_\_\_\_\_ the bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the IGIMS in writing.

Signed on the \_\_\_\_\_ day of \_\_\_\_\_

**Signature**

**For the Bank**

**Witness: Name(s) & Designation(s)**

**Name & Address**



**POWER OF ATTORNEY**

**(On a Stamp Paper of relevant value)**

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

I/ We hereby also undertake that I/we will be responsible for all action of Sri/Smt..... undertaken by him/her during the tender process and thereafter on award of the contract. His / her signature is attested below  
Dated this the \_\_\_day of 201\_ For\_\_\_\_\_

(Name, Designation and Address)  
Accepted

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

**Format of Experience certificate**

<b>Contract No./Supply order No.</b>	<b>Name of the Purchaser*</b>	<b>Description of work</b>	<b>Qty Supplied</b>	<b>Value of Contract (Rs. In Lakhs)</b>	<b>Date of issue of work order</b>	<b>Stipulated period of completion</b>	<b>Actual date of completion</b>

\* Attach certificate(s) of payments.

**DECLARATION**

From:-

M/s.....  
.....  
.....

To

**The Director,  
Indira Gandhi Institute of Medical Sciences,  
Sheikhpura,  
Patna – 800 014 (Bihar)**

1.

I, \_\_\_\_\_ Son / Daughter / Wife of Shri \_\_\_\_\_  
Proprietor/Director authorized signatory of the agency/Firm, mentioned above, is competent to sign this declaration and execute this tender document;

2.

I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them;

3.

The information / documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I / we, am / are well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

4.

I/We further undertake that none of the Proprietor/Partners/Directors of the Agency/agency was or is Proprietor or Partner or Director of any Agency with whom the Government have banned /suspended business dealings. I/We further undertake to report to the Director, IGIMS, Patna immediately after we are informed but in any case not later 15 days, if any Agency in which Proprietor/Partners/Directors are Proprietor or Partner or Director of such a Agency which is banned/suspended in future during the currency of the Contract with you.

Yours faithfully,

(Signature of the Bidder)

Date:  
Place:

Name:  
Designation  
Seal of the Agency Address:

## Annexure – A

### CATH LAB ACCESSORIES LIST

<b>GROUP - A</b>	
<b>S. No.</b>	<b>Name of Article with specification:</b>
1.	Adult Introducer sheath with haemostatic valve and puncture needle Size: 4F to 10F.
2	Pediatric Introducer sheath with haemostatic valve and puncture needle, Size: 21G in 4, 5 & 6 F
3	Radial artery cannulation kit comprising of arterial sheath, puncture needle 21 G, guide wire OF 0.018"/0.021" and 50 cm long STRAIGHT TIP. SIZES 5F, 6F and 7F
4	Sterile puncture needle of 21 G, about 5 cm long, permitting insertion of 0.021"guidewire with plastic jacket covering needle part
5.	Sterile puncture needle of 18 G, about 7 cm long, permitting insertion of 0.035"/0.038"guidewire with plastic jacket covering needle part
6.	Manifold two port with knobs to turn right when open
7.	Manifold three port PTCA kit with to turn left when open, with pressure line, fluid containing and contrast connecting line, short tube to connect toughyborst and leurlock controlled syringe of 10 ml with finger grip.
8.	Three way stop cock with one male and two female ports and rotating adapter for coronary Angiography.
9.	Pressure line: 100-150 cm 4-6 mm compatible with manifold and three way ports.
10.	High pressure injector line to withstand pressure up to 12oopsi, 75-150 cm length with Luer lock male port and rotator
11.	Sterile catheterization drape sheet for covering patients during catheterization/intervention procedure a) <b>Short sheet.</b> Covering from belly to legs with hole in the groin puncture sites ( approx. 5 feet long) b) <b>Long sheet.</b> Covering from belly to legs with hole in the groin puncture sites ( approx 9 feet long)
12.	Luer lock syringe for angiography ( for multiple high pressure contrast injection in single patient) a) 5cc b) 10 cc
13.	Full surgical gown
14.	<b>Coronary Angiography diagnostic catheters</b> 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required.
15.	<b>Coronary Angiography diagnostic catheters</b> 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time
16.	<b>Coronary Angiography diagnostic catheters</b> 65 cm or longer for radial approach and various curves of 3.0, 3.5, 4.0, 5.0 as required from time to time
17.	<b>Coronary Angiography diagnostic catheters</b> 100 cm or longer for femoral approach and various curves of 3.0, 3.5, 4.0, 5.0 as

	required from time to time
18.	<b>Coronary Angiography diagnostic catheters</b> 100 cm or longer for femoral approach and various curves (wherever applicable) of 3.0, 3.5, 4.0, 5.0 as required from time to time
19.	<b>Coronary Angiography diagnostic catheters</b> 100 cm or longer for femoral approach and various curves of 3.0, 3.5, 4.0, 5.0 as required from time to time
20.	<b>Coronary Angiography diagnostic catheters</b> 100 cm or longer for femoral approach and various curves of 3.0, 3.5, 4.0, 5.0 as required from time to time <b>Pigtail catheter</b> a) <b>Pigtail catheter</b> straight and angled 145-155 high flow tight radius with 6-12 side holes ,4F-8f b) Pigtail catheter with radio opaque markers ( marker pigtail)
21.	<b>Angiographic guidewire</b> .035"PTFE coated J tip, length a)140-160 cm b)250-260 cm
<b>GROUP -B</b>	
22	Angiographic guide wire. Extra stiff coated J tip, length a)140-160 cm b)250-260 cm
23.	Inflation device with manometer 0-30 ATM and luminescent dial face. Easy to operate with ergonomic design. High strength syringe to maintain high pressure setting without pressure loss and immediate pressure release
24.	PTCA insertion needle and torque device accepting 0.014",0.018" guide wire
25.	Y connector for PTCA - rotating hemostatic valve with spring type push and release mechanism. It should bled back control valve and without formation of micro/ macro air bubbles inside it during procedures
26.	Non spring screw type Y CONNECTOR for PTCA
27.	<b>PTCA guiding catheter</b> It should be large lumen, stainless steel braided, inner layer coated with PTFE. It should have soft tip with radioopaque marker band at the tip for femoral and radial route. 5F to 8F CURVE(3.0,3.5,4.0,5.0) <b>JUDKIN LEFT with and without side holes</b>
28.	<b>PTCA guiding catheter</b> <b>JUDKIN LEFT with short tip</b>
29.	<b>PTCA guiding catheter</b> <b>JUDKIN right with and without side holes</b>
30.	<b>PTCA guiding catheter</b> <b>JUDKIN RIGHT with short tip</b>
31.	<b>PTCA guiding catheter</b> <b>IMA Guiding catheter</b>
32.	<b>PTCA guiding catheter</b> <b>MULTIPURPOSE Catheter</b>
33.	<b>PTCA guiding catheter</b> <b>AMPLATZ left 1 and 2 (AL-1,AL-2)</b>
34.	<b>PTCA guiding catheter</b> <b>AMPLATZ RIGHT 1 and 2 (AR-1,AR-2)</b>
35.	<b>PTCA guiding catheter</b> <b>EXTRA BACK UP LEFT</b>
36.	<b>PTCA guiding catheter</b> <b>EXTRA BACK UP RIGHT</b>
37.	<b>PTCA guiding catheter</b> <b>VODA LEFT</b>

38.	<b>PTCA guiding catheter VODA RIGHT</b>
39.	<b>RADIAL GUIDING CATHETER EBU FOR LEFT ECR FOR RIGHT</b>
40.	Guiding catheter for peripheral interventions of various shapes, curves and sizes for femoral/radial/ brachial approach a) Renal curve b) Renal double curve c) Shepherd crook d) Multipurpose e) Carotid guider
41.	Radifocusguidewire(termou) J tip with hydrophilic polymer ( length 150-160 cm) Size in inches a)0.018" b)0.025" c) 0.032" d)0.035" e) 0.038"
42.	Radifocusguidewire(termou) J tip with hydrophilic polymer (EXTRA length 260 cm) Size in inches a)0.018" b)0.025" c) 0.032" d)0.035" e) 0.038"
43.	Amplatz extra stiff guide wire , long length of 250-260 cm of 0.035" and 0.038"
44.	PTCA Pre dilatation, monorail balloon (semi compliant). Hypotube shaft design, low entry profile (0.017") andsequential tip for lesion accessibility and SF guiding catheter compatibility. Diameter(mm) -1.5, 2.0, 2.5, 2.75, 3, 3.25, 3.5, 4.0 Length - <10 mm to 30 mm or more
45.	PTCA pre-dilatation semi-compliant over the wire balloon with short balloon taper, low entry profile (0.017"). Diameter - 1.25 to 2.0 mm or more
46.	High pressure non-compliant balloon with high RBP (20 atm or more), smooth, rounded distal tip and no edge Overdilatation at higher pressure; with least balloon overhang at the edges will be preferred. Diameter (mm): 2, 2.5, 2.75, 3.0, 3.25, 3.5, 3.75, 4, 4.5, 5.0. Lengthmm: minimum 6-8mm to >20 mm.
47.	STEERABLE PTCA FLOPPY TIP WITH EXTRA SUPPORT 0.014"
48.	STEERABLE PTCA wire with hydrophilic coating ,0.014" FLOPPY TIP WITH EXTRA SUPPORT 0.014"
49.	Amplatz extra-stiff guide wire long length of 250 -260 cm of 0.035" and 0.038"
50.	Pressure bag with manometer for IV infusion.
51.	Dome kit with flushing System for Philips FD-10C model.
52.	Physiological pressure transducer and connector for Philis FD~10C model.
53.	Femoral percutaneous closure device (Thrombin mediated closure)
54.	Radial closure device comprising of compression pad with anatomic softwrist support pad.

55.	Auto perfusion catheter 6F Over the wire with side holes proximal and distal to balloon for hemodynamic stabilization of unstable patients during PTCA.
56.	Micro catheter Over the wire system with end hole catheter Int Diameter 1.7 to 2F Shaft length 130-> 170 cm.
57.	Deflecting tip microcatheter to cross acutely angulated vessels.
58.	Snares: dual lane snare s stem with radio-opaque loop.
59.	"Goose neck snare kit 2-10 mm
60.	Bipolar temporary lead with introducer sheath. Adult (6-7 F)
61.	Bipolar temporary lead with introducer sheath. Pediatric(4-5 F)
62.	Single lumen balloon wedge pressure catheter ( Swan GANZ) with end hole beyond balloon tip distal end Size 4-8 F
63.	NIH catheter Size 4-7 F
64.	Balloon floatation angiographic catheter (Berman type) with side holes Size 5-7 F
65.	Balloon floatation angiographic catheter (Berman type) with side holes and end holes and end holes at tip of the catheter for wire assess Size 5-7 F
66.	Cournard catheter Size 5-7 F
<b>GROUP - C (BMV)</b>	
67.	MITRAL VALVULOPLASTY DOUBLE lumen PTMC balloon with vent tube and hole in outer layer of the balloon , different sizes 1. With accessories 2. Without accessories
68.	PTMC double lumen balloon with no hole on the balloon wall, different sizes (a) with accessories. (b) Without accessories.
69.	IVC filter –Temporary.
70.	IVC filter-permanent
71.	Permanent IVC filter, MRI compatible.
72.	MULLIN SHEATH
73.	BROKENBOUGH NEEDLE
74.	Covered coronary stent graft of size 2.5,2.75,3.0,3.5
75.	<b>Pacemaker VVI/ AAI</b> Advanced digital multi-programmable pacemaker with following features >Single chamber pacemaker >Digital signal processing >Digital high sampling rates of P or R wave >Automated ventricular rate stabilization during AF Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting >Algorithm to minimize ventricular pacing will be preferred  a) With 7f compatible passive fixation tined leads or screws in lead &lead introducer. b) Pulse generator only c) 7F compatible passive fixation tined lead or screw in lead & lead introducer only.

76.	<p><b>Pacemaker VVIR/AAIR</b>  Advanced digital multi-programmable pacemaker with following features  &gt;Single chamber pacemaker  &gt;Digital signal processing  &gt;Digital high sampling rates of P or R wave  &gt;Automated ventricular rate stabilization during AF  Suick single window patient data and pacemaker data for advanced diagnostic and troubleshooting  &gt;Algorithim to minimize ventricular pacing will be preferred</p> <p>a) With 7f compatible passive fixation tined leads or screw in lead &amp;lead introducer.  b) Pulse generator only  c) 7F compatible passive fixation tined lead or screw inlead &amp; lead introducer only.</p>
77.	<p><b>Pacemaker VDD</b>  Pace Advanced digital multi-programmable pacemaker with  Following features—  &gt;Single and dual chamber pacemaker  &gt;Digital signal processing  &gt;Digital high sampling rates of P and R wave  &gt;Automated ventricular rate stabilization during AF  &gt;Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting  &gt;Alogorithm to minimize ventricular pacing will be preferred  a) With 7f compatible passive fixation tined lead or screw in lead &amp;lead introducer.  b)Pulse generator only  c)7F compatible passive fixation tined lead or screw in lead &amp; lead introducer only.</p>
78.	<p><b>Pacemaker DDD</b>  Advanced digital multi-programmable pacemaker with  Following features—  &gt;Single and dual chamber pacemaker  &gt;Digital signal processing  &gt;Digital high sampling rates of P and R wave  &gt;Automated ventricular rate stabilization during AF  &gt;Quick single window patient data and pacemaker datafor advanced diagnostic and troubleshooting  &gt;Alogorithm to minimize ventricular pacing will be preferred  a) With 7f compatible passive fixation tined lead or screw in lead &amp;lead introducer.  b)Pulse generator only  c)7F compatible passive fixation tined lead or screw in lead &amp; lead introducer only.</p>
79.	<p><b>Pacemaker DDDR</b>  Advanced digital multi-programmable pacemaker with  Following features—  &gt;Single and dual chamber pacemaker  &gt;Digital signal processing  &gt;Digital high sampling rates of P and R wave  &gt;Automated ventricular rate stabilization during AF  &gt;Quick single window patient data and pacemaker data for advanced diagnostic and troubleshooting  &gt;Alogorithm to minimize ventricular pacing will be preferred  a) With 7f compatible passive fixation tined lead or screw in lead &amp;lead introducer.  b)Pulse generator only  c)7F compatible passive fixation tined lead or screw in lead &amp; lead introducer only.</p>
80.	<p><b>Pacemaker DDDR / MRI COMPATIABLE</b> with passive fixation steroid tipped tined leads or screw in leads with advanced features.</p>
81.	<p><b>Pacemaker VVI / MRI COMPATIABLE</b></p>



82.	<b>Pacemaker VVIR / MRI COMPATIBLE</b>
83.	<b>Pacemaker VDD/ MRI COMPATIBLE</b>
84.	<b>ICD SINGLE CHAMBER</b> ICD should be small and physiological Algorithm to eliminate over –sensing of R wave, T wave, fractionated QRS and other extraneous signals Morphology bases SVT discrimination algorithm ATP during charging Wireless Telemetry Encourage intrinsic conduction More than 30 minutes of stored EGM, (a) Device with all leads (b) Device without leads
85.	<b>Permanent pacing lead</b> (ventricular/Atrial endocardial bipolar, passive fixation with tines), steroid eluting, IS-1 header.
86.	<b>Permanent pacing lead</b> (ventricular/Atrial endocardial bipolar, passive fixation with tines), steroid eluting, IS-1 header.
87.	<b>Permanent defibrillation lead</b> , bipolar endocardial steroid eluting active and passive fixation lead.
88.	<b>ICD SINGLE CHAMBER / MRI COMPATIBLE</b>
89.	<b>ICD DOUBLE CHAMBER</b> ICD should be small and physiological Algorithm to eliminate over –sensing of R wave, T wave, fractionated QRS and other extraneous signals Morphology bases SVT discrimination algorithm ATP during charging Wireless Telemetry Encourage intrinsic conduction More than 30 minutes of stored EGM, (a) Device with all leads (b) Device without leads
90.	<b>ICD DOUBLE CHAMBER / MRI COMPATIBLE</b>
91.	<b>ICD should be small and physiological</b> Algorithm to eliminate over –sensing of R wave, T wave, fractionated QRS and other extraneous signals Morphology bases SVT discrimination algorithm ATP during charging Wireless Telemetry Encourage intrinsic conduction More than 30 minutes of stored EGM, (a) Device with all leads (b) Device without leads
92.	<b>BIVENTRICULAR PACING CRT-P</b>
93.	<b>BIVENTRICULAR PACING CRT-D COMBO</b>
94.	<b>ASD CLOSURE DEVICES of various devices USFDA , CE marked</b> (a) Device only (b) Device with all the accessories like delivery sheath, loader, deploying cable etc.
95.	<b>PDA CLOSURE devices , CE marked</b> (a) Device only (b) Device with all the accessories like delivery sheath, loader, deploying cable etc.
96.	<b>PDA Duct occluder</b> (Type II and AS), USFDA APPROVED, CE Marked Diameter of all sizes (a) Device only. (b) Device with all the accessories like delivery sheath, loader, deploying cable etc.
97.	<b>VSD CLOSURE DEVICES of various devices</b>

<b>GROUP - D</b>	
<b>98 .</b>	DRUG eluting balloon Diameter (mm) 2.0, 2.25, 2.5, 2.75, 3.0, 3.5, 3.75, 4.0., Lenth (mm) 10-30- in various length. (a) Paclitaxel eluting balloon. (b) Paclitaxel eluting balloon using Iopromide coating.
<b>99 .</b>	Bare metal Stents of various sizes
<b>100 .</b>	Sirolimus coated drug eluting stent USFDA approved (a) Stainless steel base (b) Cobalt chromium base (c) Platinum Chromium base
<b>101 .</b>	Sirolimus coated drug eluting stent , CE marked (a)Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
<b>102 .</b>	Sirolimus coated drug eluting stent , DCGI marked (a)Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
<b>103 .</b>	Paclitaxel coated drug eluting stent , FDA marked (a) Stainless steel base (b) Cobalt chromium base (c)Platinum Chromium base
<b>104 .</b>	Paclitaxel coated drug eluting stent , CE marked (c) Stainless steel base (d) Cobalt chromium base (c)Platinum Chromium base
<b>105 .</b>	Paclitaxerel coated drug eluting stent , DCGI approved (a) Stainless steel base (b) Cobalt chromium base (c) Platinum Chromium base
<b>106 .</b>	Everolimus coated drug eluting stent , USFDA approved (a) Stainless steel base (b) Cobalt chromium base (c) (c)Platinum Chromium base
<b>107 .</b>	Everolimus coated drug eluting stent , CE marked (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
<b>108 .</b>	Everolimus coated drug eluting stent , DCGI approved (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
<b>109 .</b>	Zotarlimus coated drug eluting stent , USFDA approved (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
<b>110 .</b>	Zotarlimus coated drug eluting stent , CE marked (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
<b>111 .</b>	Zotarlimus coated drug eluting stent , DCGI approved (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
<b>112 .</b>	Sirolimus coated drug eluting stent , with bio-degradable polymer, USFDA approved (a) Stainless steel base

	(b)Cobalt chromium base
113 .	Sirolimus coated drug eluting stent, with bio-degradable polymer, CE approved (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
114 .	Sirolimus coated drug eluting stent, with bio-degradable polymer, DCGI approved (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
115 .	Biolimus A9 coated drug eluting stent with bio-degradabe polymer, USFDA marked (a) Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
116 .	Biolimus A9 coated drug eluting stent with bio-degradabe polymer, CE marked (a)Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
117 .	Biolimus A9 coated drug eluting stent with bio-degradabe polymer, CE marked (a)Stainless steel base (b)Cobalt chromium base (c)Platinum Chromium base
118.	Everolimus coated drug eluting stent with bio-resorabable vascular scaffold, available in different length and sizes.
119 .	Aortic stent graft, self expandable, Bifurcated Diameter 20-28mm.
120.	Delivery System for Aortic Stent graft.
121.	Coronary stent Graft (PTFE) with low profile (<1.5mm) Diameter2.5-4/4.5mm Length upto 30mm or more
122.	Peripheral stent Graft (PTFE) with low profile Diameter 4mm to 10mm or more , various length
123.	Coronary stent with ultra –thin polymer mesh wrapped around the stent working as embolic protection device used in post Myocardial infarction intervention with large thrombus burden to prevent distal thrombus embolization. Diameter: 2mm to 5.0mm and length from 10-12 mm to 38-40mm.

**SPECIAL hardwares have to be provided as and when required.**

## Annexure – B

### 1. Environmental Decontamination System

System should be designed to kill bacteria, viruses, fungus in the indoor air. It should also eliminate the volatile organic compounds with the help of dual ACF & photocatalytic filter. The machine should have multi stage mechanical filtration & a photocatalytic filter. It should have 2 curved UV lamps for germicidal activity & photocatalytic activation. It should have a UV change indicator based on real time, online, intensity monitoring. It should use Flash Thermal Energy for continuous decontamination of air. The flash thermal energy module should be fan free & chemical free system. It should also have a gas based disinfection module using corona discharge or surface discharge technologies. The system should be programmed remotely without entering into the air-treatment area. It should be CE certified, Class I Medical Device. The manufacturer should have ISO 14001-2004, ISO 13485 - 2003, WHO – GMP/ GPP certifications. The machine should be demonstrated in front of the constituted technical committee & the crucial things like: all the features and remote programming should be shown.

### 2. Disinfectant Generation System or Automated MIXED oxidant generation system.

System should be an automated, compact & mobile unit. It should generate a solution which contains Hypochlorous acid and oxidants like Chlorine dioxide, Ozone, Hydrogen Peroxide and Sodium Hypochlorite. This generated solution should have an oxidant concentration of more than 400ppm & a TDS of  $\leq 2000$ ppm. The pH of the solution should be almost neutral ( $7\pm 1.0$ ). The machine should have 2 cells for uninterrupted working. It should have a real-time LCD display for current & voltage. It should auto identify errors and display the type of error for easy trouble shooting. The machine should have an automatic preventive maintenance cycle for enhanced life of membranes used in water conditioning. The machine should have automatic descaling of cells. It should have a generation capacity of 40 liter per hour of the final solution. The machine should have been purchased & installed in Govt hospitals for hospital infection control. The machine should audit the solution quality in real time. The machine should stop production & prompt the user for preventive maintenance if the quality isn't upto the mark & go into a preventive cycle without user intervention. It should be CE certified, Class I Medical Device. The manufacturer should have ISO 9001-2008, ISO 13485 - 2003, WHO – GMP/ GPP certifications. The machine should be demonstrated in front of the constituted technical committee & the crucial parameters like: TDS, pH & oxidants concentration should be demonstrated as per the specs. The machine should be quoted along with the consumables (10 packs of 10 ltr). This one liter of electrolyte solution should generate 50 Ltr of solution with  $>400$  ppm of oxidant concentration.

### 3. Superheated Dry Steam Sanitizer Or Dry Steam Disinfection System:

System should produce superheated saturated atomized steam at 180 degree Celsius for proper disinfection in shorter time. This generated steam should be delivered at low pressure (4 to 6 bar). There should be system in the machine for monitoring the boiler pressure. The machine should have a continuous steam adjustment from 0 to 100 g/min. The generated steam should be delivered through a nozzle. The steam should not leave any residual moisture & staining on the treated surfaces. The machine should use a sanitizing agent to ensure proper cleaning. The mixture of steam & cleaning agent should be safe & can be used in the presence of human. It should be safe enough to use on surfaces & fabrics. It should be CE certified. The machine should be demonstrated in front of the constituted technical committee. Machine should be supplied along with it's consumables (10 packs of sanitizing agent)

### 4. Specifications of ULV Fogger - Premium

- Ultra Low Volume Fogger should have the following features:
- Compatible with all types of water based disinfectants including acidic, alkaline, oxidizing, quaternary ammonium based, peroxide and silver nitrate combination
- Produce nearly invisible droplets of particle size 0.1 -10 microns
- Suitable for 100 ~ 1,000 square feet
- Made of corrosion proof, durable body made of heavy duty nylon material
- SS316 made nozzle and stand
- Should be provided with a stand with 360° rotation

- Should have in-built protection against high voltage current
- Should cutoff automatically when the disinfectant level is low
- Have an integrated air intake filter
- Should have an integrated reservoir filter
- The tank should be >6Lit volume
- Disinfectant Level should be visible in the tank
- Timer of 0-60 minutes should be integrated with the fogger body
- Should be European CE certified.

#### 5. Cardiac Biomarker Instruments:

- Should have a portable unit and should have battery back up
- Should be able to measure quantitatively - Trop I, BNP, NT Pro BNP, CK MB, Myoglobin and D dimer
- Should have a minimum memory capacity of 500 test results with date and time
- Should have a minimum sample volume of  $\leq 300\mu\text{l}$
- Should have an operating temperature ranging from 18 – 30 degree Celsius
- Should be with built in thermal printer.
- Should be an US FDA and CE Mark system
- Should use Fluorescence Immunoassay Technology
- Should be connected with all HIS and LIS software
- Should be able to perform tests in quantitative manner in less than 20 minutes
- Should have built in QC check in facility for the Instrument.

#### 6. Portable Blood Gas and Electrolyte Analyser

- Small, easy to operate and portable system capable of measuring pH, PCo<sub>2</sub>, Po<sub>2</sub>, Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>++</sup>, Glucose, Lactate, Hematocrit.
- Should be able to operate both with AC adapter or battery and should be able to operate during charging.
- Should be USFDA certified and CE marked.
- Sample requirement - not more than 125  $\mu\text{l}$ .
- Should be using
- The single-use test cartridge should be self contained with all the reagents, sensors & calibrating solutions required for the test.
- The system should not use any other consumable other than test cards and printer paper roll.
- System should be provided along with a dedicated wireless (Bluetooth/IR) Thermal Printer.
- System should use Amperometric, Potentiometric, Conductimetric sensors for measurement.
- System should have an EMBEDDED and detachable BARCODE READER
- System should be capable of BLUETOOTH/Wi-Fi connectivity.

### ETHYLENE-OXIDE STERILIZER / AERATOR COMBINATION

SPEC WRITER NOTE: Chamber sizes vary. Insert sizes based on project requirements.

#### A. Chamber:

1. Interior: Stainless steel.
2. Size: 2.0 cu. ft. to 4.0 cu.ft.

#### B. Cycle Time:

1. Exposure: 0 to 99 hours.
2. Aeration: 0 to 99 hours.
3. Chamber Pressure: Minimum 80 psi.
4. Warm Sterilization Temperature: 55 degrees C (131 degrees F).
5. Cold Sterilization Temperature: 37 degrees C (98.6 degrees F).
6. Warm Aeration Temperature: 54 degrees C (130 degrees F).
7. Cold Aeration Temperature: 38 degrees C (100 degrees F).

**C. Doors:**

1. Quantity: Single.
2. Operation: // Manual // Automatic //

**D. Recorder:** // Integrated Printer // Remote Printer //

**E. Installation Options:** // Freestanding // Recessed //

**F. Electrical Requirements:** // 120V // 220V //

**G. Vent Outlet:** Ethylene oxide vent pipe connection for vent pipe connection to abator.

**H. Sterilant Delivery System:** Single-Use Gas cartridge.

**Important Note:**

**a. Warranty Period: Three Years from the date of successful Installation.**

- **Preventive maintenance visit:** Four Maintenance visits at regular interval for usual maintenance & supervision failing which 25% of the contract amount per visit would be deducted as penalty.
- **Break down maintenance visit:** As & when required
- **Response Time:** within 48 Hours.
- **Uptime Guarantee: 95% of 365 days**
- **Successful bidder will maintain the system during warranty period of three years with all spares accessories and all type of consumables required for the maintenance of the supplied items. If any spares / consumables / accessories etc. are not covered under above-mentioned charges; it should be clearly mentioned with frequency of replacement and with rate. The validity of rate of such items should also be mentioned clearly. What will be the rate of escalation on the quoted rate after expiry of the validity of rate of such item must be mentioned.**

**b. Comprehensive Annual Maintenance Contract:**

- **CAMC Rate per year for next seven years after expiry of warranty period of three years.**
- **Preventive maintenance visit:** Four Maintenance visits at regular interval for usual maintenance & supervision failing which 25% of the contract amount per visit would be deducted as penalty.
- **Break down maintenance visit:** As & when required
- **Response Time:** within 48 Hours.
- **Uptime Guarantee: 95% of 365 days**
- **The above-mentioned charges should includes labour charges for maintenance and breakdown visits per year, spares, accessories and all type of consumables required for the maintenance of the supplied items. If any spares / consumables / accessories etc. are not covered under above-mentioned charges; it should be clearly mentioned with frequency of replacement and with rate. The validity of rate of such items should also be mentioned clearly. What will be the rate of escalation on the quoted rate after expiry of the validity of rate of such item must be mentioned.**
- **Payment of Comprehensive Annual Maintenance Contract would be made on half yearly basis after completion of work and satisfactory working report. In no case, advance payment is to be considered.**
- **The rate of Comprehensive Annual Maintenance Contract as mentioned above should cover the Complete System. Complete System should include the basic unit and allied supporting components like UPS, Stabilizer, Computer System, Printer, De-ionizer, Dehumidifier etc to be supplied by the bidder along with basic unit.**

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