

All India Institute of Medical Sciences
Veerbhadra Marg, Pashulok,
Rishikesh-249203



Tender document for Establishment of CCU
at AIIMS, Rishikesh

Tender fees (Rs.5000 +GST@18.0%Rs.900)Rs.5,900/-

EMD: Rs 4,60,000.00 (Four Lakh Sixty Thousand Only)

Date of Pre-bid Conference: 13-12-2017 at 3.00 PM

Last date of submission of Bid: 29-12-2017 at 3.00 PM

Date and time of opening of Bid: 29-12-2017 at 03:30 PM

TENDER NOTICE

Establishment of CCU

AIIMS, Rishikesh, Virbhadra Marg, Rishikesh, Dehradun

Dated:05-12-2017

1. Sealed tenders on turnkey basis in Two Bids (Technical & Financial) are invited on behalf of the Director, All India Institute of Medical Sciences, Rishikesh from interested and eligible manufacturer or their authorised distributors, for establishment of 16 bedded CCU for Department of Cardiology, AIIMS **Rishikesh**.
2. The interested agencies, manufacturer or their authorised dealers/ distributors are required to submit the technical and financial bid separately. The bids in Sealed Cover-I containing “Technical Bid” and Sealed Cover-II containing “Financial Bid” should be placed in one sealed cover envelop super scribed “**Tender For “PROCUREMENT OF MISC. EQUIPMENTS FOR CCU DEPARTMENT OF CARDIOLOGY”**” and should reach at the office of “**The Administrative Officer, AIIMS, Rishikesh, Virbhadra, Marg Rishikesh (Dehradun) - 249201**”, before 03.00 PM on or before dated **29-12-2017**. The bid received after due date and time will not be entertained whatsoever may be the reason. The technical bids shall be opened on the same day at 03.00 PM at Tender Opening Room, AIIMS, Rishikesh in presence of persons representing the prospective bidders. In the event of any of the above mentioned date being declared as a holiday / closed day, the tenders will be opened on the next working day at the appointed time. The date for opening of financial bid of technically qualified agencies will be announced later.
3. The tender document containing of Seven Chapters, where technical bid form, financial bid form, technical description/specification & item and terms & conditions can be purchased from the office of Administrative Officer - AIIMS, Rishikesh from **05-12-2017 to 29-12-2017** between 10.00 AM and 02.00 PM on non-refundable payment of Rs.5900.00 (Rupees Five thousand Nine hundred only) or can be downloaded from website www.aiimsrishikesh.edu.in. Those who download the tender document from website should enclose DD/Pay Order for Rs.5900.00 (Rupees Five Thousand Nine hundred only) (*non-refundable*) in favour of “AIIMS, Rishikesh”, payable at Rishikesh, not later the date of dated **28-12-2017** along with their technical bid in the Cover-I “Technical Bid”. The bid security (EMD) for **PROCUREMENT OF MISC. EQUIPMENTS FOR TURN KEY PROJECT OF CCU DEPARTMENT OF CARDIOLOGY** as given in table-1 below tender documents should be paid in the form of demand draft/FD/TD/CD from any Nationalised/Schedule bank duly pledged in favour of “AIIMS, Rishikesh” payable at Rishikesh and will be placed in Cover-1 with technical bid. The Tender Documents are not transferable.
4. Any enquiry about this tender document may be addressed to the Administrative Officer, for their timely resolution. Any future clarification and/or corrigendum(s) shall be communicated through Administrative Officer on the AIIMS, Rishikesh website: www.aiimsrishikesh.edu.in. and other Central Government Procurement Websites (*subject to its access of AIIMS Rishikesh*).The bidders are required to regularly check the website to know about any/all such corrigendum(s) as only these bids, taking care of such corrigendum(s) shall be considered for finalisation of the tender.
5. Bidder should necessarily enclose a covering letter mentioning a summary of applied document with proper numbering. Secondly, bid should also attach a compliance sheet as per specification mentioning that they are complying to all specification or have any variation.

Administrative Officer
AIIMS, Rishikesh
0135-2462915

TENDER DOCUMENT

Chapter-I

(Instructions to bidder & conditions of contract)

(A) General Information and Conditions relating to Submission of Bids

1. The tender document containing eligibility criteria, scope of work, terms & conditions and draft agreement can be purchased from AIIMS, Rishikesh on any working day from **05-12-2017 to 29-12-2017** between 10.00 AM to 02.00 PM on payment of non-refundable charges of Rs 5900/- (Rupees Five thousand Nine hundred only) or can be downloaded from website www.aiimsrishikesh.edu.in. Those who download the tender document from Website should enclose a Demand Draft/Pay Order for Rs 5900/- (Rupees Five thousand Nine hundred only) in favour of “**AIIMS, Rishikesh**”, payable at Rishikesh, not later the date of **28-12-2017**, along with their bid in the **Cover-I** containing “Technical Bid”.
2. The interested firms/suppliers are required to submit the Technical and Financial Bids separately in the format enclosed and they have to observe highest standard of ethics while bidding for this tender. The bids in sealed Cover-I containing “**Technical Bid**” and sealed Cover-II containing “**Financial Bid**” should be placed in a third sealed cover super scribed “ ” should reach AIIMS, Rishikesh by or before 03.00 PM on 29-12-2017. The Technical bids shall be opened on same day **at 03.30 PM** at AIIMS, Rishikesh in presence of the bidders or their authorized representatives (Authorization letter required to be submitted) who choose to remain present. The Tender received after due date & time will not be considered and no claim shall be entertained whatsoever may be the reason.
3. The pre bid conference would be held on **13-12-2017 at 03.00 PM** in the office of Tender Opening Room, AIIMS, Rishikesh. All firm’s representative who are attending the pre bid meeting, shall produce an authorization letter from their firm on the firm’s letter head. They are required to put their query in writing before the committee and submit the same in writing on its letter head.
4. All the duly filled/completed pages of the tender should be given serial /page number on each page and signed by the owner of the firm or his Authorized signatory. In case the tenders are signed by the Authorized signatory, a copy of the power of attorney/authorization may be enclosed along with tender. A copy of the terms & conditions shall be signed on each page and submitted with the technical bid as token of acceptance of terms & conditions. Tender with unsigned pages/incomplete/partial/part of tender if submitted will be rejected outrightly.
5. All entries in the tender form should be typed or written by pens legible and filled clearly. If the space for furnishing information is insufficient, a separate sheet duly signed by the authorized signatory may be attached. No overwriting or cutting is permitted in the Technical Bid as well as Financial Bid unless authenticated by full signature of bidder. Any omission in filling the columns of Financial Bid form (Schedule of Rates) shall debar a tender from being considered. Rates should be filled up carefully by the tenderer. All corrections in this schedule must be duly attested by full signature of the tenderers. The corrections made by using fluid and overwriting will not be accepted and tender would be rejected.
- 6.(i) **Bid Security:** -The bidder shall pay the respective amount of Bid Security (EMD) as mentioned in table-I along with the Technical Bid by way of demand draft/FD/TD/CD in favour of “AIIMS, Rishikesh” drawn on any Nationalized Bank/ Scheduled Bank and payable at Rishikesh and must be valid for (6) six month. Bids received without tender fees and Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage. The original EMD will be put in cover-I containing with Technical bid.
 - a) The Public Sector Undertaking of the Central/State Govt./MSEs/MSME/Registered with Central Purchase Organization are exempted from furnishing Earnest Money along with tender, **subject to submission of its valid proof.**

- b) The firms Registered with DGS & D/SSI and any approved source of Centre/States Govt. are not exempted from furnishing Earnest Money in so far as this institute is concerned.
- c) Earnest Money deposited with AIIMS, Rishikesh in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.
- (ii) EMD is required to protect the purchaser against the risk of Bidders conduct. The EMD will be forfeited if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to the notice that the information/ documents furnished in its tender is incorrect or false.
7. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract with successful bidder.
8. Bidders are not allowed to submit more than one bid anytime during the tendering process for the same/similar tendered item else all his bids shall be cancelled thereby making him disqualified in addition to the forfeiture of the EMD.
9. The successful bidders have to execute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) within twenty-one (21) days from the date of award of this tender in his favour and also required to furnish the **Security Deposit @ 10%** of contract value in the form of FD/BG/TD/CD for **three months extra of the contract period** from any Nationalised/Schedule bank duly pledged in favour of AIIMS, Rishikesh & payable at Rishikesh only. The EMD deposited by successful bidder may be adjusted towards Security Deposit as demanded above after its validation for the required period. If the successful bidder fails to furnish the full security deposit or difference amount between Security Deposit and EMD within 21 (twenty-one) days after the issue of **Letter of Award** of Work, his bid security (EMD) shall be forfeited and award of tender in suppliers favour automatically stands terminated at his cost & liability, unless time extension has been granted by AIIMS, Rishikesh.
10. The EMD/PBG shall be forfeited if successful bidder fails to supply the goods/equipment in stipulated time or fails to comply with any of the terms & conditions of the contract or fail to sign the contract.
11. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 180 (one hundred eighty) days from the published date of opening of the tenders and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained. The unilateral withdraw at any stage will cause forfeiture of EMD in addition to any remedy that the purchaser may have under the law.
12. To assist in the analysis, evaluation and computation of the bids, the Competent Authority, 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.
13. After evaluation, the work shall be awarded normally to the Agency fulfilling all the conditions of the contract and who has quoted the lowest rate as per financial bid after complying with the all the Acts / provisions stated / referred to for adherence in the tender.
14. The name of such successful bidder will be displayed on the website of the institute www.aiimsrishikesh.edu.in within 7 (seven) days from the date of execution of this tender contract by him.
15. The competent authority of AIIMS, Rishikesh reserves all rights to accept or reject any/ all tender(s) without assigning any reason. It can also impose/relax any administrative term and condition/specifications of the tender enquiry after due discussion in pre-bid conference. This will be communicated and shown over the website of the Institute. No representation will be considered after pre-bid meeting and **bidders may ensure its queries only in pre-bid meeting.** AIIMS, Rishikesh also reserves the right to reject any bid which in his opinion is non-responsive

or violating any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.

16. Tender must be submitted on the prescribed Tender Form otherwise tender will be cancelled straightway.
17. The tender form is not transferable.
18. Canvassing in any form is strictly prohibited and the tenderers who are found canvassing are liable to have their tenders rejected out rightly.
19. It is required by all concerned, namely the Bidders/Suppliers, as the case may be to observe highest standard of ethics during the procurement and execution of this Tender.
20. Installation at consignee's site should be free of cost immediately on arrival of equipment at consignee's site.
21. 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 competent authority reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications and liquidates damages shall be charged in addition to the cost of re- tender. The supplier is required to provide the demonstration of equipment at AIIMS premises to the AIIMS representatives for its evaluation as per the specification & desired functionality standard. However, a submission of videography displaying functionality as per tender specification may also be considered by the AIIMS, representative.
22. In case the bidder on whom the supply order has been placed, fails to establish complete 16 bedded CCU within the time schedule and the Institute has to resort risk of completion, the Institute (AIIMS, Rishikesh) may recover from the tender the difference between the cost calculated on the basis of risk purchase price and that calculated on the basis of rates quoted by tenderer. In case of repeated failure in supplying/establishing complete 16 bedded CCU the required goods/work the work order may be cancelled and bid security deposit will be forfeited.
23. Deviation in work/equipments: - Where the specifications are as per tenderer's range of products the tenderer's offer should mention that the item meets all specifications as per the tender enquiry and if there are improvements/deviations the same should be brought out on separate Letter Head of the firm. It would be discretion of the competent authority of the institute to accept or reject such deviations which are not in accordance with our required specifications as given below the financial bid.
24. It must be mentioned clearly whether bidder is a manufacturer/sole distributor/ sole agent for the items for which he is quoting.
 - a. **Manufacturer** must add a certificate that item(s) is manufactured by them as per range of products.
 - b. **Sole Manufacturer** must add a certificate that they are the sole manufacturer of the Item for which they are quoting in this tender enquiry & item is /are their proprietary Item in India. The rate certificate is also required from the sole manufactures that the Rates quoted are the same as they quote to other State/Centre Govt./reputed Private Organisation and DGS&D rate for the similar item(s) and these are not higher than those quoted by them.
 - c. **Authorized agents** must add authority letter from their Manufacturer/Principals on the letter head of the manufacturer/principals signed by a competent person and comes in proforma given in attach must duly supported by a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- (Rupees ten only) that

they are quoting Rates on behalf of them. The authorization letter must give/mention the purpose for which it is allowed. The validity period of the authorization letter must be mentioned in the authority letter otherwise tender will be liable to rejection.

25. The bidders should have furnished a copy of GST/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.
26. **Turnover provisions:** - (i) In case of bidder falls under Section 44AD/44ADA/44AE of Income Tax shall be required to submit turnover certificate verified by Chartered Accountant with his Registration number issued by Institute of Chartered Accountants of India.
(ii) In case of supplier is an Indian Agent, the firm can submit copies of purchase orders issued in favour of firm (*As the payment is made through LC directly to foreign manufacturer and equipment payment does not exist in the book of account of the supplier*) in support to its turnover whatever amount is getting short.
27. **Sample/demonstration:** - In case, the item required prior submission of sample/ performing demonstration, tenderer will have to submit sample/perform demonstration of the equipment/item to the competent authority of the institute, the bidder will have to born all the expenses for the same. Non submission of sample/non performing demonstration will **disqualify** the bidder in the technical bidding process and financial bid of the bidder will not be opened.
28. The tenderer hereby guarantees that the equipment supplied to the Institute (purchaser) under the Contract shall be of the best quality/latest version and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained/ mentioned in the Tender Document. The date of manufacturing of the equipment/goods supplied will not be more than 3 (Three months) old. The tenderer will have further guarantees that the said equipment would continue to conform to the description and quality aforesaid for a period of five (5) years guarantee period (As per MoH&FW guidelines), from the date of installation of the said equipment to the purchaser and notwithstanding the fact that the Purchaser (Inspector) may have inspected and /or approved the said equipment, if during the aforesaid period of five years the said equipment be discovered not to confirm to the description and quality as required as per specification or not giving satisfactory performance or have deteriorated, the decision of the Purchaser in that behalf shall be final and binding on the tenderer and the Purchaser shall be entitled to call upon the tenderer to rectify the equipment or such portion thereof as is found to be defective by the purchaser within a reasonable period or such specified period as may be allowed by the purchaser in his discretion on/an application made thereof by the tenderer and in such an event, the above mentioned warranty period shall apply to the equipment replaced from the date of replacement thereof. In case of failure of the tenderer to rectify or replace the equipment, within specified time, the purchaser shall be entitled to recover the cost with all expenses from the tenderer for such defective equipment.
29. 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 tenderer 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 disqualified.
30. **Force Majeure:** Any failure or omission to carryout of the provisions of this supply by the supplier shall not give rightfor any claim by supplier and purchaser to one against the other, if such failure or omission arise from an act of God which shall include all acts of natural calamities from civil strikes compliance with any statistics and or requisitions of the Government lockout and Strikes, riots, embargoes or from any political or other reasons beyond the suppliers control including war (whether declared or not) civil war or state of incarceration provided that notice of the occurrence of any event by either party to the other shall be within two weeks from the date of occurrence of such an event which could be attributed to force majeure. Any delay due to Force Majeure will not be attributable to the either of the parties.

31. The equipment installed should be up for 95% of the total warranty time. If the equipment is down for more than 5% suitable action shall be taken against the supplier including imposition of penalty as deemed fit.
32. If there is a close system the tenderer shall ensure and will have to submit an affidavit on Indian Non Judicial stamp paper of Rs.10/- along with technical bid that spare parts and consumables for these equipment's/instruments/item will be available at reasonable fixed rates for next 10 (ten) years, such rates should not be more than the rates supplied to institutes of national importance.
33. The successful Bidder shall at all times agree to indemnify and keep indemnified the purchaser against all losses, damages which may arise in respect of action/inactions of such Bidder or breach of any term of this tender by such Bidder. All claims regarding indemnity shall survive the termination of the contract with such Bidder.
34. In case the vendor fails to complete the work of complete 16 bedded CCU and supply of its the spare parts or fails to provide the agreed maintenance during the prescribed period, as per the terms of contract, the purchaser is automatically entitled to procure the required parts and hire services from the market at the risk and cost of the vendor, such inability of bidder will entail forfeiture the security deposit. The purchaser also reserves the right to terminate the contract on immediate notice, if the vendor fails to comply with this clause for more than one instance.
35. **Liquidated damage/demerge:** - The time fixed for completion of Establishing of complete 16 bedded CCU stipulated in work order shall be deemed to be the essence of the contract and if the bidder fails to complete the aforesaid CCU within the period prescribed for establishment of 16 bedded CCU in work order, penalty/liquidated damages may be deducted from the bill @ 0.5% per week subject to maximum of 10% of the value of the delayed goods or services under the contract. The competent authority of the institute may also cancel the work at the cost & liability of the bidder. In such a case, bid security of the bidder shall stand forfeited. The supply of equipment must be in single consignment, inclusive of all parts & accessories in adherence to the specification so as to make it fully functional 16 Bedded CCU. No work completion Report shall be signed in case of absence of any part as per the specification.
36. **Legal Jurisdiction:** -The Courts at Rishikesh/ Dehradun alone and no other Court will have the jurisdiction to try the matter, dispute or reference between the parties arising out of this tender/supply Order/contract.

Applicable Law:

37. The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
38. Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Rishikesh/Dehradun, Uttarakhand India only.

39. Except as otherwise provided under this Contract for immediate termination of the Contract, in the event of a disputes which may be arising out of the execution of the tender contract, the matter will be referred to the Deputy Director (Administration). Appeal against the decision of the DDA will lie to the Director, AIIMS Rishikesh and his decision shall be final and binding upon both the parties.

I/ We hereby accept the terms and Conditions given in the tender

(Signature & Stamp of the bidder)

Note- Please sign each page of document including terms & conditions & tender

(B) Financial terms and conditions

1. Rates are strictly required to be offered/quoted on the prescribed **“Financial Bid format”**. Financial bid submitted without prescribed format may not be considered and will be deemed improper subject to the condition that there is a requirement to mention other item which are not mentioned in the said format.
2. Rates quoted should be inclusive of all applicable taxes, packing, forwarding, postage and transportation charges at for AIIMS Rishikesh (Site of installation/Use). To sum up the rates should be quoted for establishment of complete 16 bedded CCU. Rates should be mentioned both in figures and in words. The offer should be typed or written in Ink Pen/ Ball Pen without any correction. Offers in pencil will be cancelled. Telegraphic/ Telex/ Fax offers will not be considered and cancelled straightway.
3. The supplier has to submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that the bidder has not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past. Therefore, if at any stage it has been found that the supplier has quoted lower rates than those quoted in this tender; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the AIIMS, Rishikesh. If such affidavit is not submitted, tender will be out rightly rejected.**(Part of technical bid)**
4. If the price of the contracted articles is/ are controlled by the Government, in no circumstances the payment will be higher than the controlled rate.
5. Tender will be regarded as constituting an offer open to acceptance in whole or in part at the discretion of the competent authority of the institute for a period of 180 days (6 months) valid from the date of opening of the tender by the committee.
6. The corrections made by using fluid and overwriting will not be accepted and tender would be rejected.
7. Tenderer shall have to provide complete warranty for all equipment's for 5 (five) years & followed by CMC for 5 (five) years of the equipment's and other items installed in the CCU. Financial bid should be quoted accordingly. In this regard, the tenderer shall submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that bidder will provide complete warranty for entire equipment's installed in the Cath Lab for 5 (five) years & CMC for 5 (five) years of the entire items and equipment's.
7. **Tender Currencies:**
 - a. The bidder supplying indigenous goods or already imported goods shall quote only in Indian Rupees. Further, imported goods to be imported and supplied by the bidder are also required to be quoted in Indian Rupees.
 - b. For imported goods, if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any, required with the goods, the same shall be quoted in Indian Rupees only, if such services are to be performed /undertaken in India.
 - c. Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.
8. **Tender Prices:** While filling up the columns of the Financial Bid, the following aspects should be noted for compliance: -

I- For domestic goods or goods of foreign origin located within India, the prices in the corresponding Financial Bid shall be entered separately in the following manner: -

- a. The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, GST/CST/ VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc.;
- b. Any sales tax or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;
- c. Charges towards Packing & Forwarding, Inland Transportation, Insurance, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Financial Bid;
- d. The price of Incidental Services, as mentioned in List of Requirements and Financial Bid;
- e. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
- f. The price of CMC **after warranty period**, as mentioned in List of Requirements, Technical Specification and Financial Bid.

II- For goods offered from abroad, the prices in the corresponding Financial Bid shall be entered separately in the following manner: -

- a. The price of goods quoted FOB port of shipment, as indicated in the List of Requirements and Financial Bid;
- b. The price of goods quoted CIF port of entry in India as indicated in the List of Requirements and Financial Bid;
- c. The price of goods quoted for delivery at AIIMS, Rishikesh as indicated in the List of Requirements, Financial Bid and Consignee List;
- d. Wherever applicable, the amount of custom duty with CDEC applicable on CIF value on the goods to be imported;
- e. The charges for Loading/Unloading, Inland transportation, Insurance and other local costs, Incidental cost to delivery of the goods from the port of entry in India to AIIMS, Rishikesh, as specified in the List of Requirements and Financial Bid;
- f. The charges for Incidental Services, as in the List of Requirements and Financial Bid;
- g. The prices of Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Financial Bid; and
- h. The price of annual CMC, after warranty period as mentioned in List of Requirements, Technical Specification and Financial Bid.

9. Additional information and instruction on Duties and Taxes: If the Bidder desires to ask for excise duty, sales tax/GST/CST / VAT/ CENVAT, Custom Duty, Service Tax, Works Contract Tax etc. to be paid extra, the same must be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

10. **Excise Duty:**

a. If reimbursement of excise duty is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the duty applicable. In the absence of any such stipulation it will be presumed that the prices quoted are full and final and no claim on account of excise duty will be entertained after the opening of tenders.

b. If a Bidder chooses to quote a price inclusive of excise duty and also desires to be reimbursed for variation, if any, in the excise duty during the time of supply, the Bidder must clearly mention the same and also indicate the rate and quantum of excise duty included in its price. Failure to indicate all such details in clear terms may result in rejection of that tender.

c. Subject to sub clauses (i) & (ii) above, any change in excise duty upward/downward as a result of any statutory variation in excise duty taking place within contract terms shall be allowed to the extent of actual quantum of excise duty paid by the supplier. In case of downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to the AIIMS Rishikesh by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

11. **Sales Tax:** - If a bidder asks for sales tax/GST/CST / VAT/CENVAT, Service Tax and Works Contract Tax to be paid extra, the rate and nature of sales tax applicable should be shown separately. The GST/CST / VAT/CENVAT, Service Tax and Works Contract Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to sales tax/ GST/CST / VAT/CENVAT, Service Tax and Works Contract Tax and is payable as per the terms of the contract.

12. **Octroi Duty and Local Duties & Taxes:** - Normally, goods to be supplied to Government departments against Government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned Government department. Keeping this in view, the supplier shall ensure that the goods to be supplied by the supplier against the contract placed by the AIIMS, Rishikesh are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the AIIMS, Rishikesh. However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the AIIMS, Rishikesh to enable the AIIMS, Rishikesh reimburse the supplier and take other necessary action in the matter.

13. **Customs Duty:** In respect of imported goods offered from abroad, the bidder shall specify the rate as well as the total amount of customs duty payable with Custom Duty Exemption Certificate, if applicable, on the quoted goods in the Financial Bid. The bidder shall also indicate the corresponding Indian Customs Tariff Number applicable for the goods.

a. For transportation of imported goods offered from abroad, relevant instructions as incorporated shall be followed.

b. For insurance of goods to be supplied, relevant instructions as provided shall be followed.

c. Unless otherwise specifically indicated in this NIT document, the terms FCA, FOB, FAS, CIF, CIP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.

d. The need for indication of all such price components by the bidders, as required in this clause is for the purpose of comparison of the tenders by the purchaser and will no way restrict the AIIMS, Rishikesh right to award the contract on the selected bidder on any of the terms offered.

14. **Indian Agent:** - If a foreign bidder has engaged an agent in India in connection with its bid, the foreign bidder, in addition to indicating Indian agent's commission, if any, shall also furnish the following information:

a. The complete name and address of the Indian Agent and its Permanent Account Number as allotted by the Indian Income Tax authority.

b. The details of the services to be rendered by the agent for the subject requirement.

c. Details of Service outlets in India, nearest to the AIIMS, Rishikesh to render services during Warranty and CMC period.

Firm Price:-

a. Unless otherwise specified in the NIT, prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account.

b. However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated will apply.

15. **Conversion of tender currencies to Indian Rupees:** - In case the bid document permits the bidders to quote their prices in different currencies, all such quoted prices of the responsive bidders will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the closing exchange rates established by the Reserve Bank of India for similar transactions, as on the date of 'Opening Date of Financial Bid'.

16. **Payment terms:** -If the supplier supplied the requisite item within stipulated time and installation is pending on the part of AIIMS Rishikesh on various reasons, up to 90 *per cent* payment against supply can be made by the AIIMS Rishikesh on the case wise only, but will not be considered as precedence in all cases.

(A)Payment Term for Imported goods: For imported goods payment shall be made in the following manner:

a) On shipment: 75 % payment of the contract price shall be paid 60 days after presentation of shipping documents { goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country } and upon the submission of the following documents: -

- i. Four copies of Supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- ii. Original and four copies of the clean, on-board Bill of Lading/ Airway bill, marked freight prepaid and four copies of non-negotiable Bill of Lading/Airway bill.
- iii. Insurance Certificate;
- iv. Certificate of origin by the chamber of commerce of the concerned country;

- v. Certificate of country of origin;
- vi. Manufacture's / Supplier's warranty certificate;
- vii. Manufacturer's own factory inspection report.

- b) On Acceptance: 25 % payment would be made item wise after satisfactory installation, commissioning, demonstration and training, if required on issuance of Inspection certificate by the AIIMS, Rishikesh. Item wise payment will be done /part payment is allowed as material received.

B) PAYMENT TERMS FOR INLAND GOODS

- (i) One Original and Four Copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.
- (ii) Final Acceptance as per Inspection report issued by faculty.
- (iii) Two copies of packing list identifying contents of each package.
- (iv) Inspection Certificate issued by the user concerned department.
- (v) Final Acceptance Certificate issued by the Institute

17. **Guarantee / Warrantee Period:** The Tenderers must quote for 5 years' comprehensive warranty (Including all Spares, Accessories software application, if any and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 5 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories software application, if any and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taken into account on basic price and post warranty CMC.

18. **Custom Clearance:** For the Goods to be imported and supplied, the Institute will provide Custom Duty Exemption Certificate (CDEC) to successful bidder for availing concessional rate of duty as per prevailing Custom Tariff. In case, the bidder requires CDEC certificate, then the same should be specifically mentioned in the bid. The supplier is solely responsible for getting the material clearance from customs. Institute will provide all custom documents for custom clearance on the demand of supplier. The supplier undertakes to fully co-operate to avoid any fine, demurrage or other charges and shall indemnify AIIMS Rishikesh in case of any such failure. Transportation of goods up to AIIMS, Rishikesh and its successful installation and commissioning demonstration (and training, if required) is also the responsibility of the supplier. All charges/ expenses incurred in this process will be borne by the supplier and after submission of deposit slips of custom clearance and transportation charges will be reimbursed to the supplier if said provisions are to be shown separately in the financial bid..

NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYABLE BY THE INSTITUTE UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE/ FREIGHT/INSURANCE ETC

Note: In case of any dispute regarding award of tender, decision of AIIMS Administration would be final.

I / We hereby accept the terms and Conditions given in the tender

(Signature & Stamp of the bidder)

Note- Please sign each page of document including terms & conditions & tender

**Establishment of CCU
AIIMS, Rishikesh**

TECHNICAL BID

(In separate sealed Cover-I super scribed as “Technical Bid”)

1. Name & Address of the manufacturer and their authorised dealers/ distributors/Agency with phone number, email, name and telephone/mobile	
2. Specify your firm/company is a manufacturer/ authorised dealer/ distributor/ Agency	
3. Whether the signature on each page has been made by the of bidder or not.	
4. Name, Address & designation of the authorized person (Sole proprietor/partner /Director)	
6. Please provide a notarised affidavit on Indian Non Judicial stamp paper of Rs. 10/- that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in last one year. If you don't fulfil this criteria, your tender will be out rightly rejected.	
7. No Income Tax Due certificate from Chartered Accountant for last 3 years	
8. Turnover a. Please attach balance sheet (duly certified by Chartered Accountant) for last three (3) years (Attach copy of minimum turnover for three years should not be less than Total 25 crores duly certified by the Chartered Accountant) b. The bidder falls under Section 44AD/44ADA/44AE of Income Tax Act shall be required to submit turnover certificate verified by Chartered Accountant with his Registration number issued by Institute of Chartered Accountants of India. c. Indian Agent can submit its copy of POs of LC cases, in support of its amount getting short in required turnover. d. Start-ups may submit its Start-up Registration for consideration (<i>Relaxation in turnover can be considered as the case may be, subject to fulfilment of other conditions. However, it will not mandatory</i>)	
9. PAN No. (Please attach copy)	
11. Acceptance of terms & conditions attached (Yes/No). Please sign each page of terms and conditions as token of acceptance and submit as part of tender document with technical bid. Otherwise your tender will be rejected.	
12. Power of Attorney/authorization for signing the bid documents (Not required in case of sole-proprietorship.)	
13. Please submit a notarised affidavit on Indian Non judicial stamp paper of Rs. 10/- that no case is pending with the police against the Proprietor/firm/partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner.	
14. Please declare that proprietor/firm/company has never been black listed/debarred by any Govt organization. An oath certificate to this effect may be enclosed on Rs.10 notarised stamp paper.	
15. Please submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that they will provide complete warranty for all equipment's/items for 5 (five) years followed by CMC for further 5 (five) years of these equipment's/items.	
16. Please furnished a notarised affidavit on Indian Non judicial stamp paper of Rs.10/- that they will supply spare parts for next 10 years at reasonable price by submission of suitable benchmarks.	
17. Please submit two performance certificate from your two different customers to whom you have supplied equipment in previous 3 years	

<p>18. Details of the FD/DD/TD/CD of bid security (EMD)</p> <p>FD/DD/TD/CD No:</p> <p>Date:</p> <p>Payable at-</p>	<p>Detail of cost of Tender for Rs. 5900/- (if downloaded from website)</p> <p>DD No.</p> <p>Date:</p> <p>Payable at-</p>
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Undertaking

1. I/We have read and understood the contents of the Tender and agree to abide by the terms and conditions of this Tender.

2. I/We shall supply the items of requisite quality and quantity at given rate in timely manner.

3. I/We also confirm that in the event of my/our tender being accepted, I/we hereby undertake to furnish within 15 days, Bank Guarantee/ Performance Security after the issue of Purchase Order, as applicable, in the format to be provided by AIIMS Rishikesh in addition to execution of a Contract as pre-condition for obtaining the supply orders.

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

5. 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.

(Signature of the Bidder)

Name:

Designation with Seal of the Firm:

TENTATIVE LIST OF EQUIPMENTS OF CCU

S. No.	Name of items	Qty
1.	ECG MACHINE	04
2.	Multi Para monitor with CNS	16
3.	Defibrillator	04
4.	Bipap machine	04
5.	ACT machine	02
6.	ICU Ventilator. Adult &Paediatric	05
7.	High End CCU Bed	16
8.	Suction Machine	04
9.	Transport monitor with invasive bp monitoring	02
10.	Portable ventilator	01
11.	Blood & fluid warmer	01
12.	Infusion pump	50
13.	Cubical Curtain system	16
14.	Patient Transport Trolley	04
15.	Crash cart	04
16.	Anesthesia cart	01
17.	Announcement system	01
18.	Mobile X-Ray	01
19.	Air purifier	02
20.	Cardic Reader	
21.	Patient Trolley	
22.	Furniture and fixtures	
23.	CCU working system should be integrated with HIS system (optional); price to be quoted separately	

“Establishment of CCU for Cardiology Department”

AIIMS, Rishikesh

Chapter-II (Schedule of requirements& EMD)

Table-I

Details of items & their tentative quantity and EMD

The following work of Establishment of complete CCU on turnkey basis manufactured by Indian/International firms/agencies of repute are required.

S.No.	Item	Quantity	EMD
1	PROCUREMENT OF MISC. EQUIPMENTS FOR TURN KEY PROJECT OF CCU DEPARTMENT OF CARDIOLOGY	01 Nos.	INR 4,60,000.00 (Rs. Four Lakh Sixty Thousand Only)

Supply, Installation, Testing & Commission of various Medical equipment's under Turn-Key Project

- It should be turn key projects.
- Company should have previous experience of some products of turn key projects (Details & Order copy should be enclosed).
- All the related civil work should be done by the bidder and for the same Bidder should have previous experience to do some civil work in any Govt department [Performance certificate should be enclosed from Govt department(Central Govt/State Govt/PSU)]
- Manufacturer's authorization of following products should be required.
 - ICU BED WITH AMBIENT LIGHT
 - MODULAR WALL AND CEILING CONSTRUCTION
 - VENTILATORS ADULT AND PEDIATRIC
 - PORTABLE X RAY
 - DEFIBRILLATOR
 - DRUG CART
 - ANESTHESIA CART
 - AIR PURIFIER
 - BLOOD AND FLUID WARMER
 - CARDIAC READER
 - PATIENT TROLLEY
 - FURNITURE AND FIXERS
 - CUBICAL CURTAIN SYSTEM
- NSIC/MSME Company exempted from EMD (certificate to be enclosed).
- ISO-13485:2008 company should be Notarized
- 03 Years marketing experience from C.A
- Turn Key Project of all products quoted by the firm duly certified signed by C.A & specifications should be verified by Bio Medical Engineer.
- WHO company
- In House Test report for all products.
- Eligible bidders should have Total 25crore turnover in last 03 Financial Year.
- Bidder should have successfully exceeded globally in last 03 year from the date of tender opening;
 - Turn Key Project of value,
 - At least 02 single orders of minimum 01 crore each and 4 single orders of minimum 50 Lakh each in last 05 year.
- Satisfactory performance certificate from any Govt Institute /Govt. undertaking /Govt Hospital/PSU is required.
- Quoted the prices of any other equipments other than the ones mentioned related to CCU the furniture medical equipments.
- All item should be quoted otherwise bid will be rejected directly
- Please submit a notarized affidavit on Indian Non judicial stamp paper of Rs. 10/- that no case is pending with the CBI/CCI/Competition Commission of India or any FIR in police against the Proprietor/firm/partner of the company (Agency). Indicate any convictions in the past against the company/firm/partner.

- Please declare that proprietor /firm/company has never been black listed/debarred by any organization. An oath certificate to this effect may be enclosed on Rs. 10/- notarized stamp paper.
- Please submit performance reports of last 03 Financial Year for quoted items only from any Govt. Hospital /Govt. Undertaking firm some related to CCU Items.

- Performance certificate from C.A for last 03 Years.
- Manufacturers valid ISO 13485:2008.

Estimate for Modular CCU size approx size 12 mtr x 15 mtr

BOQ

Sr No	Description	Qty	Unit
1	Supply & Installation of Walls Construction of solid mineral surface – (Imported)	162	sqmtr
2	Supply & Installation of Ceiling Construction of solid mineral surface –	180	sqmtr
3	Recess mounted bottom opening, clear room luminaire (peripheral Light) with dimming, each having 2x36w CFL, Electronic Ballast (size :-2'x1') complete set, (Indigenous)	20	Nos
4	Seamless flooring with perfectly curved flsh-covings resistance to mechanical stress and dynamic load and having ESD/ EMI (conductive) protection characteristics 2mm thick, washable- complete with self-levelling compound	130	sqmtr
5	Storage unit constructed out of 1.5mm thick G.P. Sheet with 2 nos. adjustable Shelf & 1 no. Lock. 5 mm Glass Size:- 1666x865x350 Deep complete set (Indigenous)	2	Nos
6	Cascaded pressure stabillizer having multi 304 grade stainless steel blades to control room pressure	1	Nos
7	Automatic Sliding door, each 2100mm x 1000 mm (heightxwidth of door frame) complete with Automation Unit, frame, viewing window.	1	Nos
8	Touch Surgeon Control Panel with screen not less 22 "– (imported)	1	Nos
9	X-ray Viewing Screen – (cladding type OT) as per technical specification	4	Nos
10	Writing Board with magneting system Size:- 1000x700x60 Deep made out G.P Sheet to be flushed with the wall system complete set as per enclosed tender technical specificationsl.	2	Nos
11	Vertical Motrorized Blend window 1000 mm x 1000 mm complete set as per enclosed tender technical specificationsl.	2	Nos
12	SITC of Distribution board for ICU work	1	Nos
13	SITC of Electrical work wiring & switch sockets inside room	1	Lot

14	SITC of partion for each bed with curtain at entrance with cubical track as per specifications	16	nos
15	Nurse Call System		
A	Supply and Installation of Bed Side Unit – Complete with Nurse Call, additional help alarm & wired remote hand held unit.		
B	Supply and Installation of Central Station – to monitor the nurse call/ UMAI/ additional help alarm for maximum Nos. of beds. Displays 8 bed number along with the audible beep.	16	nos
C	Hand Held Remote	1	nos
D	Medical Equipment's	16	nos
E	Other Furniture as desired by dept.		
16	Nursing Items like BP Machine, Nebuliser, Stethoscope, Weighing MACHINE, Air mattress, xray View Box, Laryngoscope, Ambu BAG ETC.If any these items rates quoted separate not compulsory purchase.		
	Total Amount with GST 18%		

AIIMS Rishikesh tender Enquiry No. F.No 24/CCU/279/2017-RISH (ADMN)

“Establishment of 16 Bedded CCU”**Financial Bid****A) FINANCIAL BID FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA OR GOODS TO BE IMPORTED AND SUPPLIED AGAINST PAYMENT IN INDIAN RUPEES**

1 Schedule	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Rs.)						6 Total Price (at AIIMS-Rishikesh) basis (Rs.) = {4 x 5(h)}
				Ex - factory/ Ex-warehouse /Ex-showroom /Off-the shelf (a)	Excise Duty(if any) [%age & value] (b)	Sales Tax/ GST/VAT(i f any) [%age & value] (c)	Packing and Forwarding charges (d)	Inland Transportation , Insurance, loading/ unloading and Incidental costs till AIIMS-Rishikesh (e)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the AIIMS-Rishikesh (f)	

Note: -

- If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail. In case of calculation error, lower cost will be accepted between actual cost & error cost.
 - The unit cost including five (5) years guarantee/warrantee should be mentioned as per table-1. The above quote should include all applicable taxes and F.O.R AIIMS Rishikesh. L1 will be decided on the basis of unit cost in addition to CMC value of 5 years and turnkey cost where applicable including all applicable taxes at time of financial bid evaluation of individual equipment.*
 - The Bidder must quote price for “GOODS TO BE IMPORTED AND SUPPLIED AGAINST PAYMENT IN INDIAN RUPEES” after having taken in to account, the provision of Custom Duty Exemption Certificate (CDEC) by the Purchaser, as per Customs Tariff Act.
- Declaration by the Bidder: - (i) This is to certify that I/We before signing this tender have read and fully understood the Tender document viz terms & condition of the contract, rules regarding purchase of equipment for Department of Cardiology. I/We agree to abide them.**
- (ii) No other charges would be payable by purchaser and there would be no increase in rates during the contract period.**

Place:

Date:

Name:

Business Address:

Signature of Bidder:

Seal of the Bidder:

AIIMS Rishikesh tender Enquiry No. F.No 24/CCU/279/2017-RISH (ADMN)

Financial Bid**B) FINANCIAL BID FOR GOODS TO BE IMPORTED FROM ABROAD**

1 Schedule	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Rs.)					6 Total price on Destination + Insurance (local transportation and storage) = {4X 5 (e)}
				FOB price at port/ airport of Lading (a)	Carriage / Insurance (port of loading to port of entry) and other Incidental costs** (b)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the AIIMS-Rishikesh ** (c)	Unit Price CMC for 5 years if applicable (d)	Unit Price on DDP AIIMS-Rishikesh + Extended Insurance (local transportation and storage) (e) = a+b+c+d	

Indian Agent: Indian Agency Commission - ____% of FOB

** To be paid in Indian Currency (Rs.)

Total Tender price in foreign currency: _____

In words: _____

Note: -

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail. In case of calculation error, lower cost will be accepted between actual cost & error cost.

2. *The unit cost including five (5) years guarantee/warranty should be mentioned as per table-1. The above quote should include all applicable taxes and F.O.R AIIMS Rishikesh. L1 will be decided on the basis of unit cost in addition to CMC value of 5 years and turnkey cost where applicable including all applicable taxes at time of financial bid evaluation of individual equipment.*

3. The Bidder will be fully responsible for the safe arrival of the goods AIIMS-Rishikesh in good condition as per terms of DDP as per INCOTERMS, if applicable.

4. Custom Duty/clearance charges/transportation charges from Airport or Shipyard to Rishikesh will be reimbursed to the bidder and can be recouped later by the Institute by presenting all original documents/bills of such authorities.

Declaration by the Bidder: - (i) This is to certify that I/We before signing this tender have read and fully understood the Tender documents viz terms & condition of the contract, rules regarding purchase of equipment's for Department of Cardiology. I/We agree to abide them.

(ii) No other charges would be payable by purchaser and there would be no increase in rates during the contract period.

Place:

Date:

Name:

Business Address:

Signature of Bidder:

Seal of the Bidder:

AIIMS Rishikesh tender Enquiry No. F.No 24/CCU/279/2017-RISH (ADMN)

Financial Bid
B) FINANCIAL BID FOR TURNKEY WORK

S.No	Items	Preferred Makers	Financial Quote for Entire Work (In Rupee)	Financial Quote for Entire Work (In Rupee)
A	FLOORING VITRIFIED TILES	Somany, Kajaria , H&R Johnson, RAK India		
B	PAINT	Dulux, Asian Paints , Nerolac		
C	PLUMBING	Kohler, Jaguar , Grohe , Roca		
D	SANITARY ITEMS	CERA, Hindware, Parryware		
E	ELECTRICAL:			
1	CABLES	Finolex, Havells ,V-Guard		
2	SWITCHES	Legrand, L&T, Crabtree , Roma		
3	DISTRIBUTION BOX, MCB	Legrand, L&T, Siemens, Havels		
4	LIGHT FITTINGS	LED only Philips / Crompton / Syska/Wipro		
F	AIR CONDINTIONING	Carrier, Hitachi, Voltas		
G	FURNITURE	Hermen Miller , Godrej , Geeken		
Total of turnkey project				

Note: -

- If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail. In case of calculation error, lower cost will be accepted between actual cost & error cost.

Declaration by the Bidder: - (i) This is to certify that I/We before signing this tender have read and fully understood the Tender documents viz terms & condition of the contract, rules regarding purchase of equipment's for Department of Cardiology. I/We agree to abide them.

(ii) No other charges would be payable by purchaser and there would be no increase in rates during the contract period.

Place:

Date:

Name:

Business Address:

Signature of Bidder:

Seal of the Bidder:

MANUFACTURER'S / PRINCIPAL'S AUTHORIZATION FORM

(Clause 11 (c) of **other terms and conditions** of the tender)

To

The Administrative Officer,
All India Institute of Medical Sciences
Rishikesh

Dear Sir,

TENDER: _____.

we, _____, who are established and reputable manufacturers of _____, having factories at _____ and _____, hereby authorize Messrs. _____ (*name and address of agents*) to bid, negotiate and conclude the contract with you against Tender No. _____ for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per the conditions of tender contract for the goods offered for supply against this tender by the above firm.

The authorization is valid up to _____

Yours faithfully,

(Name)
For and on behalf of Messrs. _____
(*Name of manufacturers*)/Principal.

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To

The Administrative Officer

All India Institute of Medical Sciences
Rishikesh,
Virbhadra Marg,
Rishikesh-249201

WHEREAS _____ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no _____ dated _____ to supply (description of goods and services) (herein after 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 scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract; AND WHEREAS we have agreed to give the supplier such a irrevocable bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you unconditionally, on behalf of the supplier, up to a total of. _____ (Amount of the guarantee in words and figures), and we undertake 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 limits 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.

We hereby waive the necessity of you to first demanding the said amount of guarantee from the supplier before raising the demand with us. You may directly raise the demand with us, without asking the supplier for the same.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee will not be changed due to change in the constitution of the bank or the supplier.

This guarantee shall be valid up to 65 months from the date of satisfactory installation of the equipment i.e. up to --- ----- (indicate date).

.....
(Signature with date of the authorized officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

Other equipment if any required, please quoted the rates

S. No.	Name of items
1.	Video laryngoscope
2.	Pressure infusion bag
3.	Blood gas & electrolyte analyzer/ ABG Machine
4.	Cardiac enzyme analyses
5.	Transport monitor with invasive bp monitoring
6.	Portable ventilator
7.	Insulin Pump
8.	Blood & fluid warmer
9.	Infusion pump
10.	Double door fridge
11.	Glucometer
12.	Ultrasonic Nebulizer
13.	Video laryngoscope
14.	Pressure infusion bag
15.	X ray viewing panel
16.	Digital (Electronic) Thermometer
17.	Pulse oximeter
18.	Laryngoscope with 4 blade Adult & pedia
19.	Large screen 60 inch or more LED TV in waiting area
20.	CCTV installation in selected area of ccu complex
21.	Patient Transport Trolley
22.	Crash cart
23.	Anesthesia cart
24.	1 bed area with fresh water supply so that dialysis can be done bedside.
25.	Weight height machine

26.	Scrub station
27.	Central Nursing station
28.	Mobile X-Ray
29.	Air purifier
30.	Computer System
31.	Centralized Medical Gas Pipe Line system

Specification for 12 Channel ECG Machine

1. Should be an electrocardiogram Machine that acquires all the 12 standard leads simultaneously
2. Should have gain settings of 5, 10 and 20 mm/mV.
3. Recording speed should be adjustable (5, 25, 50 mm/sec)
4. Should have various filters such as baseline filter, AC interference filter, and low pass filter
5. Should have a real time colour TFT display, minimum 6 inch or more, of ECG tracings.
6. Should have easy to use touchpad facility with automated workflow with one button push.
7. Should have an alphanumeric keypad and dedicated function keys.
8. Should have an in-built resting ECG interpretation function.
9. Should have an in-built printer that prints on A-4 size z-fold thermal paper. The print quality should be good without visible breaks in line and should be bold & clear enough to be used as teaching material on internet.
10. Inbuilt printer should be high resolution, digital-array printer using thermal sensitive paper. Print quality should be 200 dpi (Voltage axis) by 500 dpi (time axis) at 25 mm/sec.
11. Facility for transfer data to computer: There should be provision in ECG machine to export ECGs in external hard drive/ Pen drive in JPEG/png/tiff format & should open in normal desktop/laptop without the need of specialized software.
12. ECG Machine should have internal storage of 200 ECGs & should be able to increase via external USB device.
13. ECG machine should have the any one facility stated below: 1.PC interface facility and PC interface software 2 External storage and retrieving facility through USB storage device. 3 Ethernet Port or Equivalent 4 Direct External PC Printer interface facility
14. ECG machine should be able to connect to computer by both wired LAN & wirelessly.
15. The print configuration should be amenable for change by user such as 3+1, 3+3, 6 and 12 leads.
16. Should have an in-built rechargeable battery that lasts at least 30 mins of continuous recording.
17. Each unit should be supplied with the following accessories:
 - a. Two(2) sets of patient's cables with 6 chest electrodes and 4 limb electrodes for adult
 - b. Two (2) Sets of patient's cables with 6 chest electrodes and 4 limb electrodes for paediatric & infants.
 - c. High quality A4 size Thermal paper compatible with this ECG Machine for recording 10000 (fifteen thousands) ECGs.
 - d. A portable lightweight slim External hard drive of 1 TB capacity of reputed company (eg. Seagate, WD my passport, Kingston, etc.) along with machine for storage of ECGs.
18. Should be a lightweight, portable machine.
19. Should have been tested and approved by US FDA and European CE
20. Should conform to all applicable electrical safety standards
21. Should have 3 years on-site comprehensive warranty for all components excluding the accessories and consumables
22. Annual Maintenance contract (AMC) for 5 years (five years; effective from the fourth year of installation) should also be quoted separately.
23. Should be supplied with a suitable compatible Trolley with following specifications following specifications
 - Trolley should made of Stainless Steel / Powder coated frame with SS 304 grade Top
 - Should be a 3-shelf (including the top) cart for storing the accessories and consumables
 - Should have four superior castors (two with brakes)
 - Trolley should have at least 30" height and the shelves should have sufficient space for storing the accessories
 - Top shelves shall be surrounded by railing.
 - Trolley should have a suitable cable arm firmly affixed having holder for ECG cables while not in use

Specifications for High end CCU Modular Multipara Monitor

1. The monitor should be light weight and have bright, clearly visible, 19 inch colour LED (1024x768 pixels)or more display for easy viewing from a distance in a large critical care setup . Display capability should be for up to 10 simultaneous waveforms.
2. The monitor should have an optical knob as well as touchscreen option for the ease of operation. For ease of use a user should be able to access the same function using either of the two (optical encoder or touch screen) based on his convenience.
3. The monitors should have an inbuilt & standard capability to monitor ECG, NIBP, SpO2 (motion sensing Masimo technology) , dual Temperature and dual IBPMainstream or Microsteam EtCO2 , CO(Thermo-dilution Method) & NICO modules.
4. Should have ST segment analysis as standard.
5. Should also have optional capability of connecting Dual IBP, 12 LEAD ECG & AGM modules.
6. Monitor should have facility to guide a Doctor on patient's Respiratory status using techniques like Integrated Pulmonary Index (IPI) or equivalent
7. The Display should be configurable by Doctor. Screen Auto formatting to make maximum use of screen based on parameters used is desirable.
8. Monitor should have minimum 220 hours of graphical and tabular trends and minimum 2hrs of online trend. The graphical & tabular trend should be seen simultaneously.
9. Monitor should have OxyCrg trend .
10. ECG trend - Minimum of 8 pages of ECG storage & recall should be available. In addition the monitor should have capability to store at least 20 hrs of any 3 user selectable waveforms with download facility . These waveforms should be readable on a separate Viewer.
11. The monitor should have facility for marking various events that may occur during Hospitalisation. These events should be displayed in the trend.
12. Monitor should have facility to transfer (download & Upload) patient data during patient shifting OR during Patient discharge.
13. Bed to bed monitoring is required.
14. It will be preferable to have IBP Zero facility close to the patient.
15. Monitor should have Advanced Alarm management systems which include minimum 3 level for indicating alarm priority. In addition facilities to reduce Nuisance alarms like Satseconds for Oxymetry alarms are required.
16. The monitor should be able to communicate with a Dedicated 16 beded Central Station either in Wired OR Wireless with Real Time web Monitoring .
17. The Monitor should be able to communicate with standard Laser printers through USB or through WiFi connection. Print outs should be on A 4 pages with minimum of 3 waveform on single page.
18. The monitor should have an advanced HDMI port to enable Large screen Slave display connectivity.
19. The monitor should have Easy Patient data entry by way of using interface like Bar Code scanners .
20. To prevent accidental key activation, keypad locks are a must.
21. To enable patient comfort the monitor should have inbuilt programs to reduce Brightness during the night.
22. Unit should be US FDA and European CE Approved
23. Machine should be usable for measuring advanced measurements like Wedge pressure , Haemodynamic calculations , Drug dose calculations.
Monitor should be supplied with
 - a) 3 Lead ECG cable - 1 no
 - b) Oxymetry sensor (Masimo) – 1 no
 - c) Blood pressure cuff – 1 no
 - d) IR remote – 1 no
 - e) Dual IBP cable - 1no

24. CNS of 24" LED to be provided with one all in one laser printer and one 24" slave monitor. The cabling has to be done by bidder in the CCU One CNS with 8 monitors

25. Added Para: -

- a. One module each for ECG, SpO2, NIBP, Respiration, dual temp, 2 IBP, display module, for each monitor(independent/dual),
- b. Four Modules of minimally invasive CO monitor
- c. Four Module of EtCO2
- d. EtCO2 values should be shown on main monitor screen.
- e. The monitor should have monitor to monitor over view facility and data transfer over the network
- f. Web browsing facility to monitor each network monitor data through hospital LAN and through dial up facility/ Mobile internet from remote location
- g. Monitor should be remote web viewing enable.
- h. To provide suitable facility for sending and receiving DICOM compatible radiological images like Ultrasound, X-ray etc to and from monitoring network to and from HIS, RIS etc for integration of various information (Optional-Price to be quoted separately)
- i. It should be possible to see data of other patient on the monitor in the same CCU and patients of other CCU's or the monitor by LAN cabling. The cabling should be done by the bidder.
- j. One slave monitor to monitor all the 16 CCU monitor should be installed in doctor's room. The cabling should be done by the bidder.
- k. A workstation must be provided which includes branded all in one PC which should have: Windows 10 or above, i7 (7th generation) or better processor, 8 GB RAM, 2TB Hard Disk, Two serial port, Minimum 4 USB port, Inbuilt Bluetooth & Wi-Fi, 24" Touch screen LED Monitor, Keyboard, mouse, All in one colour Laser Printer of reputed brand for printing on A4 Sheets, 3 KVA online UPS for entire system backup for at least one hour.
- l. Demonstration is must.

Specification for Defibrillator

Description of Function

Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.

Operational Requirements

2.1	Defibrillator should be Bi- Phasic, light weight and latest model
2.2	Should monitor vital parameters and display them
2.3	Should print the ECG on thermal recorders.
2.4	Should work on both Manual and Automated external defibrillation (AED) mode up to 200 J or more.
2.5	Should be capable of doing synchronized & asynchronized cardioversion
2.6	Can be operated from mains as well as battery
2.7	Should have defibrillator testing facility
2.8	Demonstration of the equipment is a must.
3	Technical Specifications
3.1	Should be a Low Energy Biphasic defibrillator monitor with Recorder, having capability to arrest all arrhythmia within a maximum energy of 200 Joules.
3.2	Should monitor ECG through paddles, pads and monitoring electrodes and Defibrillate through pads and paddles. Should have Automatic or Manual Lead switching to see patient ECG through paddles or leads
3.3	Should measure and compensate for chest impedance for a range of 25 to 125 ohms
3.4	Should have a built in 50mm strip printer/ thermal recorder
3.5	Should have charging time of less than 6 seconds for maximum energy. Charging indicator should be there.
3.6	Should have bright LCD / TFT display for viewing messages and ECG waveform of 4 Seconds
3.7	Single Adult and pediatric paddles should be available. Internal paddles should also be available and price to be quoted separately.
3.8	Should have event summary facility for recording and printing at least 250 events and 50 waveforms. Patient data storage 90 mins of ECG and events.
3.9	Should have a battery capable of usage for at least 90minutes or 30 discharges.
3.10	Should be capable of printing Reports on Event summary, configuration, self-test, battery capacity etc
3.11	Should have facility for self-test/check before usage and set up function
3.12	Should have SPO2 and EtCO2 integrated facility.
3.13	Should be capable of delivering energy in increments of 1-2 joules up to 30J and increments of maximum 50J thereafter.
3.14	Should have user friendly 1,2,3 color coded operation.
3.15	Voice prompts on AED mode

5	
3.1	Printing reports of events summary configuration/set test/ battery capacity
6	
3.1	Optional noninvasive pacing/ transcutaneous pacing
4	System Configuration Accessories, spares and consumablesSI Name
4.1	Defibrillator -01
4.2	Paddles Adult/Paediatric (pair) -01
4.3	Paddles –Internal (pair) -01
4.4	Patient cable -02
4.5	ECG Rolls -50
4.6	Disposable pads-10 nos.
4.7	Deleted
4.8	Reusable SPO2 Finger Probe-Adult -02 Reusable SPO2 Paediatric Finger Probe – 02
4.9	Complete set of ECG Leads- 02
5	Environmental factors
5.1	The unit shall be capable of operating continuously in ambient temperature of 10 -400 C and relative humidity of 15-90%
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%
5.3	Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.
6	Power Supply
6.1	Power input to be 220-240VAC, 50Hz
6.2	Resettable overcurrent breaker shall be fitted for Protection
7	Standards, Safety and Training
7.1	Should be USFDA or European CE approved product
7.2	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms. (OR EQUIVALENT BIS Standard)
7.3	Should conform to international test protocols on exposure to shock forces and to vibration forces. The standard should be documented.

- 7.4 Should meet IEC 529 Level 3 (IP3X)(spraying water) for enclosure protection, water ingress.
- 7.5 Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
- 8 Documentation
- 8.1 User Manual in English
- 8.2 Service manual in English
- 8.3 List of important spare parts and accessories with their part number and costing
- 8.4 Certificate of calibration and inspection from factory.
- 8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
- 8.6 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
- 8.7 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

Specification of BIPAP MACHINE:

a) Technical Specifications

1. Should be compact and light weight
2. Operation mode: Bi-level (2 pressure levels) S/T/ST
3. Pressure range IPAP: 5 – 20 h Pa (mbar)
4. EPAP: 5 – 30 h Pa (mbar)
5. Constant display: Pressure value, bar graph, date, time, alarm-clock-state.
6. Should have additional Function:

Start-stop-automatic-control

- Fall asleep – ramp 0-60 min
- Leakage Test 0-90 s
- Date, Time and Wake – up- function
- Power failure alarm
- Leakage alarm
- Automatic Turbine start after power failure
- Time counters: stand –by, turbine running, filter age, therapy
- Adjustable time delay

- i. ST-operation – S: Spontaneous: Triggered by respiration (trigger sensitivity should be adjustable over a range).

- ii. T: Timed: Safety frequency (adjustable)
 - iii. ST: Spontaneous + Timed
 - iv. Safety frequency – 5 / min-35/min in 1 / min – steps, modes: T and ST
 - v. Inspiration phase: 20% to 80% of respiration phase
 - vi. Filter system: 3-layers
7. Should have facility to supplement oxygen
 8. Should be leak compensated

b) Accessories, Spares and Consumables:

1. Reusable face and nasal with textured dual flap silicone cushion flap for easy fit. (auto callable)
2. Removable forehead support and pad to match the angle of patient's forehead (auto callable)
3. Stability Selector for easy fit and angle.
4. Ball & Socket headgear attachments.
5. 2 sets of all size auto callable mask. (Small, Medium, Large) with each machine.
6. Adult and Paediatric auto callable silicone breathing circuits – O2 each.
7. Battery support(optional) for travel purpose.

2.8 Bacterial filter- 10 each

3) Power Supply

3.1- Power input to be 220-240VAC, 50Hz with Indian plug.

4) Standards, Safety and Training

4.1- Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.

4.2- The quoted model should have US FDA and European CE and copy of the same should be enclosed along with the technical bid.

4.3- Training for staff and support services till familiar with the system.

5) Documentation

5.1- Two numbers of Complete User/Technical/Maintenance manuals to be supplied in English (Soft copy & Hard copy).

5.2- Certificate of calibration and inspection from factory.

5.3- List of Equipment's available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.

5.4- List of important spare parts and accessories with their part number and costing should be quoted.

5.5- Warranty and CMC should be as per tender terms.

ACT machine: SPECIFICATIONS

- The ACT Machine should be compact, small & portable
- Well suited for all point-of-care testing situations.
- 2 Point clot detection facility should be available to get accurate results
- Single key operation should be available.
- Room temperature storage
- Multiple testing applications

- Data management and connectivity-ready capabilities should be available.
- It should be microprocessor-controlled electromechanical coagulation instrument designed to determine coagulation endpoints in fresh and citrated whole blood samples.
- Clotting-time results should be presented on the instrument's Large size Liquid Crystal Display (LCD) screens.
- It should provide long-term data storage and retrieval, with access to previous patient and quality control test data.
- Test results should be stored in the order in which they are performed.
- The ability to externally transfer or save data enhances the system's versatility.
- All Technology should be mandatorily with safety approval – FDA, CE, UL or BIS approved.
- Approval certificate is to be submitted for the total unit.
- Manufacturer/Supplier should have ISO certification for quality standards.
- Shall comply with IEC 60601-2-16 SAFETY requirements of medical electric equipment.
- Voltage: 220-240 V, 50 Hz Single ~ Phase
- Humidity : 10% to 90%, non-condensin
- The product should be time tested, branded and should be OEM.
- Warranty- 5 Years
- AMC/CMC Cost-
 - AMC should be 1% of basic cost including Taxes. CMC should be 3% of basic cost including Taxes. It should be fixed for next 5 years.
- Cost of Consumables to be fixed for warranty period.
- 200 ACT vials should be provided with the machine
- Installation and training is must

ICU- VENTILATOR – TECHNICAL SPECIFICATION

The ICU-ventilator should fulfill the following features/criteria

1. It should be a sturdy, compact, Microprocessor controlled unit.
2. It should be suitable for all age groups including neonates, infants, children, adolescents and adults with adjustment of starting parameters related to body weight of the patient.
3. Display – color TFT touch screen of 12" or more with facility for tilt & rotate for better viewing.
4. Same make Trolley & hinged arm for holding the circuit for better mobility.
5. Same make Inbuilt/Integrated Medical air compressor. Ventilator shall have integrated nebulizer port which is timed, and synchronized to inspiratory phase.
6. Tools for lung protective ventilation-both flow and pressure trigger with a permanent bi flow and should allow spontaneous breathing in all ventilation modes with the capacity to adjust flow trigger in case of leak.
7. MODES:-
 - CMV /SIMV pressure and volume control, APRV, PRVC, PRESSURE SUPPORT, BIPAP, NIV , ASSIST CONTROL, & TCPL for neonates
 - APNEA BACKUP VENTILATION , and INDEPENDENT LUNG VENTILATION Facility
 - Modes for non-invasive ventilation, including nasal CPAP for neonates
 - Trending facility for 24 hrs along with event log. It should have self test option and standby mode.
8. Setup Parameters
 - FiO2 21- 100%
 - Respiratory rate 2-120 bpm

- Tidal volumes (Vt) – 2ml to 2000ml in volume controlled ventilation, with compliance compensation for circuit and ET tube.
 - Pressure control between 0-90 cm H₂O.
 - PEEP 0-50 cm H₂O
 - Pressure support 0-90 cm H₂O
 - Inspiratory time Range 0.15-5 sec
 - Inspiratory pressure Rise time
 - Expiratory time 20-90% of cycle time or greater than 0.2 seconds,
 - Expiratory hold Maximum 20sec (adult , pediatric), 3 sec (neonatal) Inspiratory hold maximum 3 sec.
 - I:E – 1:9 to 4:1
 - Pressure high (in APRV mode) 0 to 90 cm H₂O time high (in APRV mode) 0.2 to 30 sec time low (in APRV mode) 0.2 to 30 sec pressure low (in APRV mode) 0 to 45 cm H₂O.
 - Flow Trigger – 0.1 to 20 L/min
 - Pressure Trigger - 0.1 to 20 cmH₂O
 - Sigh facility ON & OFF
 - Peak flow 0.5 to 140 L/Min.
- Alarm – Low and High Values of Respiratory , Oxygen Concentration and Power failure, High Pressure , leak, Apnea, Gas Supply Malfunction, Occlusion and Ventilator inoperability Alarms.
9. Monitored Parameters:- Airway pressure peak , Tidal Volume inspired and expired and expired, minutes volume inspired and expired, spontaneous minute volume , total frequency , spontaneous frequency , FiO₂, ETCO₂, intrinsic PEEP, PEEP, Plateau pressure , Static and dynamic complaisance & resistance, total leak, RSBI, NIF, MIP/P100
10. Measure and display Facility – at least three wave forms graphs, (pressure/time, flow/time, volume/time) and pressure-volume and flow-volume loops with full graphics & mechanics including freezing of loops.
11. Should have facility to measure and display ETCO₂ & Volumetric Capnography.
- 12.** The Ventilator should have the facility to measure UIP & LIP.
13. Should have facility for Spo₂ monitoring.
14. STATUS INDICATOR:-Ventilator mode battery life, patient data, alarm setting, clock etc.
15. It should have decelerating and square flow patterns.
16. It should also have Inspiratory flow adjustments with automatic adaption of inspiratory flow in volume controlled modes.
17. Should be able to accurately measure low flow rates and should have Proximal Flow Sensor for VG mode.
18. The Equipment should have an integrated pneumatic nebulizer with flow compensation.
19. Heated humidifier with servo temperature control and 2 reusable water chambers.
20. Gas supply operating pressure O₂: 1.5 to 5.5 bar, Air: 1.5 to 5.5 bar.
21. Battery backup 1 hour or more.
22. The unit should be USFDA & CE (European) approved for use in medical devices direction.
- 23. ACCESSORIES:**
- Circuit and tubings should be reusable and sterilizable.
 - Reusable circuit and attachments for neonates, children, adolescents and adults ---- 2 sets of each.
 - Flow sensors and oxygen sensors
 - Exhalation Filter, Re-Usable
 - Proximal Flow Sensor, for Neonates
 - Same make Trolley & hinged arm for holding the circuit

- Heated humidifier with servo temperature control and 2 reusable water chambers and accessories
24. Demo if required.
25. Should have 3 years warranty followed by 5 years of CMC.

Specifications of Portable Echocardiography system

- 1 The system should be a latest generation digital technology echocardiography machine (not an ultrasound machine) with all advanced imaging features.
- 2 System must be a PORTABLE state-of-the-art model all digital beam former with super computed signal processing and clinically proven imaging technologies.
- 3 System must be offered with the following applications. : Adult, Pediatric, Neonatal Cardiology, Vascular and adult TEE Imaging.
- 4 Must have minimum 30 mins of Battery backup.
- 5 The System has to have matrix probes.
- 6 The System should not weigh more than 10 kgs.
- 7 System must be offered with a minimum of 19000 digital processed channels per image frame. Technical data sheet should be enclosed in technical bid to support the number of channels on the system.
- 8 System must have adult cardiology transducer with either single crystal technology technology for excellent Image quality on difficult to image patients.
- 9 System must be offered with a MINIMUM 15 inch High Resolution Flat Panel Display monitor with minimum monitor resolution of 1050 x 1400.
- 10 System must be offered with frequency compounding facility. Other equivalent Technology can also be offered. Processing technology in technical bid should be highlighted.
- 11 System must be offered with 2D, M – mode, Colour M- mode, Anatomical M-mode, Colour Flow, Pulse Wave Doppler, continuous Wave Doppler and Directional Color Power Doppler.
- 12 Should have color compare mode (color mode and normal gray-scale mode simultaneously).
- 13 The system should have zoom facility.
- 10 System must be offered with Speckle Reduction Imaging : Image processing technique to remove speckles and clutter artifacts
- 11 System must be offered with a very high dynamic range of at least 170 Db to pick up subtle echoes. Dynamic range in Db must be clearly mentioned in the technical quote.
- 12 Frequency processing facility for the transducers should be 1 - 15 MHz. This must be available without the need for frequency switching.
- 13 System must be offered with Eight-slide pot control adjustment of TGC curve.
- 14 Independently selectable gain Control in Lateral plane. (Better technology can also be offered).
- 15 System must be offered with a 2D frame rate of at least 750 frames/second. Acquisition frame rate should be clearly mentioned in the technical quote If not mentioned
- 16 System must be offered with Anatomical M-Mode (Angle-corrected M-mode).

- 17 System must be offered with Pulsed wave Tissue Doppler Imaging (TDI) for velocity mapping of cardiac tissue and vessel wall motion.
- 18 Must be offered with a single button control for automatic optimization and adjustment of TGC and Receiver Gain to achieve optimal uniformity of image quality and faster scans.
- 19 System must be offered with Color TDI – uses color to display direction and timing of myocardial function.
- 20 System must be offered with Enhanced Tissue Harmonic Imaging should be standard on the system. This should be based on a real – time digital signal storage and phase cancellation technique to enhance axial and Contrast resolution.
- 21 The should have minimum hard 120 GB disk drive space
- 22 System should have extensive image management capability including thumb nail review, Cine loop editing etc.
- 23 System should have facility to transfer images to an integrated CD/DVD writer, without any interfacing.
- 24 System should have facility to transfer images to external hard drive through USB port.
- 25 Print – Should have direct connectivity to Laser printer for printing images & report.
- 26 The machine should have battery back-up for at least 30 minutes.

SYSTEM MUST BE SUPPLIED WITH THE FOLLOWING TRANSDUCERS

- 1 1–5 MHz Broadband Adult Echo Transducer for Adult Cardiology imaging.
Must have Tissue Harmonic Imaging, Must have either single crystal technology or purewave technology for excellent Image quality on Difficult to image patients
- 2 3–8 MHz Broadband Pediatric Echo Transducer for Pediatric Cardiology imaging. The Probe foot print should be smaller than the adult probe.
- 3 2-7 MHz Broadband Matrix multiplane Trans-esophageal Transducer with for Adult applications with Electrocautery Suppression. Must have Tissue Harmonic Imaging. Must have advanced crystal technology.

SYSTEM SHOULD BE SUPPLIED WITH THE FOLLOWING

1. Inbuilt Thermal B/W Printer. 10 Rolls of thermal paper should be provided
2. Dockable cart must have at-least 3 Imaging universal active probe ports with electronic switching facility from key board without probe adapter.

Others

1. It should have standard electrical safety norms.
2. The machine should carry 05 years of comprehensive warranty.
3. The machine should come with 5 years of AMC/CMC and the AMC/CMC rates to be quoted separately.
4. The spare parts should be easily available and the technical staff should be available in AIIMS Rishikesh whenever required within 2 days.
5. Should have user manual and service manual in English.
6. The portable machine should come with a cart, mobile on four wheels (trolley) for easy movement, with facility to detach the machine from the cart easily for transportation.

Documentation

1. User/Technical/Maintenance manuals to be supplied in English.
2. Certificate of calibration and inspection.
3. Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

Specification of High End C.C.U Beds

1 Description of Function

1.1 CCU Beds are required in the Intensive Care for comfort of the patient and to facilitate comfortable transfer to and from emergency/OT/Wards etc. It is also required to carry out point of care procedures including radiological procedures at the bedside.

2 Operational Requirements

2.1 The system should be electrically operatable and adjustable for heights, trendelenburg reverse trendelenburg tilt (+12 degree) with side tilt, Calf section & backrest etc. It should also be having radio translucent top for carrying out X-Ray at the bedside.

2.2 Demonstration of the system is a must

3 Technical Specifications

3.1 Should have four section mattress base

3.2 Should have X-Ray translucent back section made up of high pressure laminate.

3.3 Should have X-Ray cassette holder underneath the back section & should allow insertion of X-Ray cassette from either side of the bed.

3.4 Base frame & support frame should be made up of steel for long life & prevention from rusting.

3.5 Should have stepless electrical adjustment for the following :-

Height : 450-840 mm

Back section : 0- 50 degrees

Leg Section : 0-30 degrees

3.6 it should have one button cardiac chair position.

3.7 Should have a manual quick release mechanism for back section adjustment during emergency situation

3.8 Should be equipped with four articulated half length tuck away side rails

3.9 Should be equipped with large castors (diameter 150 mm) with central braking and steering facility.

3.10 Mattress of the Bed should be made up of high density foam with Anti Microbial agent incorporated into all components that assists in Prohibiting growth of bacteria & fungi and easy to clean.

3.11 Mattress should be fully Radiolucent for ease in performing portable X-Rays.

3.12 Should have bumpers at all four corners and place for fixing accessories

3.13 Dimensions of bed :

Length : 2200 -2290 mm approx

Width : 850 -1020mm approx

Mattress Size : appropriate as per bed size

4 System Configuration Accessories, spares and consumables

4.1 I.C.U Bed Mainframe -01

4.2 Bed Ends, detachable : 01 pair

4.3 Articulated half length tuck away side rails : 04 Nos.

4.4 IV Rods : 01 No.

4.5 Mattress 12 cm Thick : 01 No.

5 Environmental factors

5.1 Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.

5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -500 C and relative humidity of 15-90%

5.3 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%

6 Power Supply

6.1 Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian plug

6.2 Resettable overcurrent breaker shall be fitted for protection

7 Standards, Safety and Training

7.1 Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450

7.2 Should be FDA and Eurpean CE approved product

SPECIFICATIONS FOR DRY CHEMISTRY ANALYSER

- The equipment should be semi-automated Biochemistry analyser using Dry Slide Technology.
- The principle of measurement should be Reflectance Spectrophotometry.
- The instrument should be ready to use in not more than 15 minutes.
- The instrument should have Touch Screen User Interface with QWERTY touch keyboard.
- The throughput of equipment should be more than 120 tests/hr.
- The measurement time for Colorimetric tests should be 2 - 6 minutes per test and Potentiometric tests should be 1 minute for three tests (Na/K/Cl).
- The equipment should have 1 sample position.
- The sample volume should be 10 µL – 50 µL per test.
- The equipment should have the provision of extensive test menu including routine chemistries, CRP, NH₃, TCO₂& Electrolytes.
- The equipment should have a single slide for Na, K &Cl.
- The equipment should be analysing Electrolytes (Na/K/Cl) through Direct ISE Method.
- The equipment should have ready to use reagents with no mixing of reagents.
- The equipment should have excellent precision & accuracy with excellent reproducibility.
- The equipment should have auto dilution capability.
- The equipment should have disposable sample tips for each sample to eliminate sample carry-over and contamination.
- The equipment should use wide range of Blood Collection Tubes (13× 75~100mm), Primary tubes and Micro-Centrifuge Tubes (0.5mL, 1.5mL).
- The reagents pack size should not be more than 25 tests.
- No Calibration cost or minimum calibration cost for all parameters.
- There should be no requirement of Water or drainage.
- Minimal handling or disposal of bio-hazardous material.
- The dimensions of the equipment should be 470 (W) x 360 (D) x 420 (H) mm.
- The instrument should have RS-232 serial or USB 2.0 port for Data transmission to PC.

Specification of Blood Gas Analyser

- Should measure blood gas parameters pH, pCO₂, pO₂
- Should measure electrolytes such as Na, K, Cl⁻, Ca⁺⁺
- Should measure metabolites as Glucose, Lactate and BUN also.

- Should also measure Oximetry parameters tHb and sO₂ directly not calculated
- Should be based on Fluorescence and Reflectance technology with long life of inbuilt and purely maintenance free optical electrodes (optodes)
- Should not need any individual electrodes for measurement of all above parameters
- Should have the measured Barometric pressure (Range 300 to 800mmHg) not input parameter
- Should have all important derived parameters (more than 15 calculated parameters) i.e. HCO₃⁻, St HCO₃⁻, ABE, SBE, AaDO₂, Anion Gap, St Ph, nCa⁺⁺, Hct, Temperature corrected pH, pCO₂, pO₂ etc.
- Should have input parameters like Temperature, FIO₂, Patient ID, Operator ID etc.
- Should have single test cassette based with the different parameters configuration
- Should have the disposable, small size & fitted on board precision gas cylinder to perform the accurate pCO₂ and pO₂ calibration
- Should require less than 150 µl sample volume
- Should be a portable system with the 6 – 8 hours rechargeable battery backup
- Should be able to aspirate sample automatically, not manual injection
- Should be able to perform whole blood, plasma and serum samples
- Should be able to handle the syringe and capillary samples both
- Should have a shelf life of all consumables at least four to six months or longer
- Should be able to store most of the consumables at normal room temperature
- Should have built in thermal printer
- Should have reusable tri level Quality Controls and as well as liquid quality controls
- Should have touch screen with the statistics intuitive graphic window display for easy operational/ data entry/ menu access
- Should be able to collect the waste inside the single test cassette itself
- Should have the RS232 port for transferring the data to computer directly in excel format and can be easily used for view, print and delete.
- Should store at least 200 patient sample reports in its internal memory.
- Should have extra data storage facility also in Compact Flash Card
- Should be FDA and CE approved
- Should be upgradable for the new updates and features

Specification of Cardiac Enzyme Analyser

It should be a fluorescence detection device specially designed for diagnostic TROPONIN I, hs- CRP, MYOGLOBIN, CRP, and CK-MB chips. It should be Equipped with intelligent electronics, the system can automatically complete complex operations such as setting diagnostic parameters and standards, and quality control without manual setup by the user. The test should be completed in 10 minutes and the internal printer can report test results. When connected to the network system, it should also send the information to the hospital information database or a remote server system. With its internal battery, it is also convenient for on-site use in case of emergency within an urban community or in remote rural areas.

INTERFACE:

Should have display 5.7" colour display
 Should have Keyboard touch screen
 Should have I/O USBx2, RS232x1, SDx1, RJ45x1
 Should have printer embedded 50mm thermal printer

SOFTWARE:

Should have OS Windows CE
 Should have patient detection parameter- specific
 Should have language English (multi-language option)

MEMORY CAPACITY

Should have patient records 1000 patients

OTHERS:

Should have specifications 245mmx210mmx220mm(LxWxH)
 Should have weight 2kg
 Should have operation conditions:
 Altitude: <2,000m
 Temperature: 5°C-40°C
 When temperature below 31°C, max. relative humidity is 80%;
 when temperature is at 40°C, max. relative humidity is 50%;
 Atmospheric pressure: 75kPa-106Pa.
 Should have power supply 100V-240V AC
 Should have storage temperature conditions -10-40°C, relative humidity <80%.

SPECIFICATION FOR ELECTRICAL SUCTION MACHINE

- A) Technical Specification
1. Electrically operated ward suction unit.
 2. Working voltage 230 Vac, 50 Hz. Heavy duty 3 core cable of length 6m.
 3. With double piston pump, no lubricated.
 4. Free air displacement 60 lpm.
 5. With two suction bottles of 2 litre vacuum Range: 0-750 mmHg.
 6. With float valve, suction tubes (PVC) 2 m long and suction tip.
 7. Portable unit having castors for easy transportation
 8. Should have lifting handle
 9. With on/off switch indicating bulb and suction gauge.

10. Should have pressure adjusting nobe

B) Documentation

1. User manual -01 nos
2. Certificate of calibration and inspection from factory.
3. Warranty & CMC as per tender terms.
4. It should be USFDA and European CE certified product

SPECIFICATION OF TRANSPORT VENTILATOR

Portable Ventilator suitable for Transport & Sub-acute Care and Rescue Operations. The Ventilator must have advanced feature & fulfill following specifications & configuration as mentioned here below:-

- (1) Must be suitable for patients from infants (5 kg body weight onwards) to Adults. a certificate from “ FDA” type of agencies from the country of manufacture must be attached.
- (2) Suitable for Non-Invasive Ventilator i.e. without the intubations. Leak compensation must be available to avoid unwarranted alarms as well as effective ventilation.
- (3) Built in Battery must be capable of full operation including Compressed Air Supply for at least one hour. Ventilator must have provision to work on external DC Source in the ambulance 12 Volts jack & mains AC power.
- (4) Must offer following modes of Non Invasive & Invasive Ventilations:-
 - (1) Non Invasive (NPPV / NIV) with provision of easy setting of IPAP & EPAP levels.
 - (2) Assist / Control.
 - (3) SIMV
 - (4) CPAP(0 to 20 cmH2O)
 - (5) Apnea Back up
- (5) Breath types : Volume Control, Pressure Control, Pressure Controls, Pressure Support & Spontaneous.
- (6) Tide Volume Setting in VC : 50 ~ 1800 ml
- (7) Breathing frequency : 0 – 70 bpm
- (8) Built in Compressed air source capable of giving spontaneous flow up to 150 lpm and making the ventilator independent of Wall Air Sockets / External inputs other than Oxygen. The Air and Oxygen blender must be electronically controlled and inbuilt in the ventilator itself.
- (9) Trigger Sensitivity by flow 1 ~ 9 Lpm.
- (10) Capable of working with Low Pressure O₂ (≤ 10 PSIG) High Pressure O₂ (40 – 80 PSIG) Oxygen supply
- (11) Must be able to offer following alarm conditions:-
 - (a) Apnea
 - (b) High Pressure Alarm
 - (c) Low Pressure Alarm
 - (d) Low PEEP
 - (e) High PEEP
 - (f) High Breath rate
 - (g) Low Minute Volume (Adjustable 0.1 – 90 litres)
 - (h) Power failure: High & low inlet pressure, low battery; disconnect & Ventilator inoperative alarms / status indication must also be available.
- (12) The PEEP valve must be internal. Pressure support & pressure control breaths must be PEEP compensated automatically.
- (13) Inspiratory & Expiratory hold must be available to observe vital static compliance, AutoPEEP etc.
- (14) A provision of 100% O₂ flush for 1 ~ 3 minutes must be available.

- (15) A provision to lock the front panel must be available to prevent accidental change of setting during traumatic conditions or while transporting the patients or to prevent unauthorized access.
- (16) The display of parameters should be on LED/LCD types such that readings can be easily read in bright light outdoor settings common to rescue operations.
- (17) The total weight of the Ventilator must not exceed 8.0 ~ 10 kg. Lower weight & easy to carry dimensions may be preferred.
- (18) Demonstration unit must be kept ready by the quoting company; otherwise the tender will be rejected, if the company fails to demonstrate the unit at the desired timings.
- (19) Ventilator must comply to International standards & cop of the following certificates are essential:-
1. CE Certification European
 2. ISO 13485 Certificate of the Manufacturing company
 3. IEC 60601 Certification
 4. Shock & Vibration Compliance to MIL-STD-810E or equivalent.
 5. US-FDA
- (20) Following items must be supplied with each Ventilator:-
- Main unit.
 - 2 sets of Reusable Adult Circuits
 - 5 pcs. of HME filter.
 - O₂ hose for connection to Cylinder / Wall socket.
 - Bracket for Ambulance such that Ventilator can be mounted & demounted with ease.
 - External DC power cable for use for Ambulance. (1pcs)
 - Non-Vented NIV Masks for both Pediatric & Adult sizes (2 sizes each).

Specification of Video Laryngoscope

1. Should be a video laryngoscope convenient for tracheal intubation.
2. Should have a camera for live Image capturing
3. Should have LED light illumination
4. Should have color Image display facility LCD/TFT display
5. Should have provision to insert all sizes of endotracheal tube
6. Should have a provision to introduce all sizes of suction catheters
7. Should have water proof protection
8. Should be supplied with rechargeable battery and provision for recharge.
9. Should have a battery backup facility of minimum 1hr .
10. Should have all blade sizes/adjustable for adult and paediatric laryngoscopy. If the blades are disposable, should supply 50nos. of blades compatible for both adult and paediatric along with each unit.

Standards, Safety and Training:

1. Manufacturer should have ISO certification for quality standards and copy of the certificate should be submitted along with the technical bid.
2. The quoted model should have European CE/US FDA certification and copy of the certificate should be submitted along with the technical bid.
3. Comprehensive training should be given for staffs and engineers till familiar with the system.

Specifications for CUBICAL CURTAIN

Providing, Fabricating and fixing of Hospital Cubical Track System comprising of the following components and specifications:

a) **CUBICLE TRACK**

Made of Metal Aluminium Alloy of Box size 1.7 x 20 x 25mm with 50-60 microns thick powder coating in white colour finish. Tracks are bendable to a radius of 300 mm at 90 degree to cover the whole bed.

b) CURTAIN

Made of hospital grade premium quality Stain Retardant Fabric with High quality Nylon Net of 12” and 18” on top.

c) Supporting System Consists Of The Following Material:i. Wall Bracket -

Made of CRC steel with white powder coating finish.

ii. Bridge Clamp –

Made of CRC steel with white powder coating finish.

iii. Roof Suspension –

Made of aluminium pipe of 12.5 mm & 19.5mm diameter. The Upper Circular Plate made of aluminium with 50.4mm diameter thickness. These are with white powder Coating (outer surface) finish & are of variable height fixed with the ceiling with anchors, bolts, screws etc.

d) Curtain Removable Point –

Made of SS for simple loading & unloading of curtains.(Also serves as an end hook retainer).

e) Runner –

Comprises of wheel type runners made of Teflon for easy and smooth sliding of the curtain in the curtain track.

Providing, Fabricating and fixing of Hospital Cubical Track System comprising of the following components and specifications:

ISO Certificate

Specifications for 100 MA Mobile X-Ray

StateofArtHighfrequencymicroprocessorcontrolledPortableXRaysystem with Computed Radiography system havingfollowingfeatures:

- Compact, light weight, easily transportable mobile High Frequency X-Ray unit with integrated CR system suitableforbedsidex-rays,trauma,Intensivecareunits,Operationstheatres and Radiology department.
- Theunitshouldbefullycounterbalancedandcanbepositionedtosuitdifferentbedheights.TheunitshouldhavefacilityofverticalswingandhorizontalrotationofthetubeheadtoensureX-Ray of any anatomy even with in limited space.
- The unit must have an effective braking system for parking and transport.
- The exposure release switch should be detachable with a cord of sufficient length (at least 3 m)
- The unit should have integrated cassette box of size 542 mm (W) x 420 mm(H)
- The Generator:
 - a. Microprocessorcontrolledhighfrequency/invertertypeofhighfrequency (40 KHz or more)for constantoutput.
 - b. It should have power rating of at least 4kWormore
 - c. It should have a digital display of m Asand kV.
 - d. KVrange:40 kv to 100kVormore
 - e. mArange:10 mA to 100mAormore
 - f. KVselection: 40 kv to 100 kv, selectable in 1 kV steps
 - g. mAS selection: 0.1 to 250 mAS
 - h. Exposure time of 10 ms to 5 sec
 - i. It should have over loading protection.

Specifications of Air sterilizer

1. Rated voltage should be 230V 50 Hz
2. Consumption should be 70 W
3. Should haveLevel of air purification 92%

4. Range should be 56 m³/h
5. Noise level should be 29dB
6. Installation should be vertical wall mounting
7. Operation should be continuous
8. External UV-C emission should be none
9. Danger level should be none
10. Equipment should have pre-filter in the air intake
11. Life of UV-C tubes should be 3000 hours
12. Air nozzles should be fixed
13. Casing should be in aluminium
14. Lamp switch should have anti UVC glass
15. Lamps should have 2x 6w- T5 UVC tubes
16. Wavelength should be 254 nm
17. Colour should be Ral 9010
18. Weight should be 3.5kg
19. Dimensions should be 45x18x8cm
20. Dimensions of packaging should be 50x19x9cm
21. Volume should be 0.008 cu.m.
22. European CE

LIST OF ITEMS AND SUGGESTED MANUFACTURERS

SL NO	ITEMS	PREFERRED MAKES
A	FLOORING VITRIFIED TILES	Somany, Kajaria , H&R Johnson, RAK india
B	PAINT	Dulux, Asian Paints , Nerolac
C	PLUMBING	Kohler, Jaguar , Grohe , Roca
D	SANITARY ITEMS	CERA, Hindware, Parryware
E	ELECTRICAL	

1	CABLES	Finolex, Havells ,V-Guard
2	SWITCHES	Legrand, L&T, Crabtree , Roma
3	DISTRIBUTION BOX, MCB	Legrand, L&T, Siemens, Havels
4	LIGHT FITTINGS	LED only Philips / Crompton / Syska/ Wipro
F	AIR CONDINTIONING	Carrier, Hitachi, Voltas
G	FURNITURE	Hermen Miller , Godrej , Geeken