

**TENDER FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF MEDICAL EQUIPMENT
for COVID jumbo facility at College of Engineering Pune Ground, Shivajinagar, Pune and
Annasaheb Magar PCMC Stadium, Pimpri, Pune**

(Short Term Emergency Bidding)

TENDER NO:	: 04/2020-21
Date of uploading of Tender Document in PMRDA Website	: 05.08.2020 at 15.00 Hrs Website: www.pmrda.gov.in
Last Date and Time of receipt of Tender by e mail	: 10.08.2020 till 11.00 Hrs
Pre-Bid Meeting	: 07.08.2020 at 15.00 Hrs by Video Conference Link : https://meet.google.com/prp-shfr-mhm
Date and Time of opening Tender	: Technical bid :10.08.2020 at 12.00 Hrs Financial Bid : 10.08.2020 at 15.00 Hrs
Place of opening Tender	: Office of the Metropolitan Commissioner, Pune Metropolitan Region Development Authority, Maharaja Sayajirao Gaikwad Udyog Bhavan, Aundh, Pune.
E-mail ID for submission of Bids	: comm@pmrda.gov.in Cc: sepmrda@gmail.com

(Eligible bidders need to submit their Technical bid in a PDF file and financial bid in a password protected PDF File over the above e-mail as per the procedure mentioned in section 5 and 6 of this document.)



PUNE METROPOLIS

TENDER FOR THE SUPPLY, INSTALLATION, AND COMMISSIONING OF MEDICAL EQUIPMENT

Tenders in Two Bid envelope System (Technical Bid & Price Bid in pdf files), are invited from manufacturers or authorized distributors/dealers for “Supply and Installation of Medical Equipment” on Turnkey basis to Dedicated COVID-19 Hospital (DCH) having 800 beds (600 oxygenated beds, 140 HDU beds, 60 ICU beds) at College of Engineering Pune Ground, Shivajinagar, Pune and Annasaheb Magar Stadium, Pimpri, Pune and/or any other location within Pune or Pimpri-Chinchwad Municipal Corporation or PMRDA jurisdiction.

1. LAST DATE FOR RECEIPT OF TENDERS:

Tenders in two separate PDF files {Technical bid (File “A”) and Price Bid (File “B”)} shall be submitted to comm@pmrda.gov.in with Cc to sepmrda@gmail.com by 10.08.2020 at 1100 Hrs.

2. IMPORTANT NOTES:

a) Delivery of the ordered items shall be affected at Dedicated COVID-19 Hospital (DCH) having 800 beds (600 oxygenated beds, 140 HDU beds, 60 ICU beds) at College of Engineering Pune Ground, Shivajinagar, Pune and Annasaheb Magar Stadium, Pimpri, Pune and/or any other location within Pune or Pimpri-Chinchwad Municipal Corporation or PMRDA jurisdiction.

b) The bidder shall quote for the complete list of items including providing , installing, testing and commissioning all items with all its fixtures, attachments, required stands etc.. Offer of incomplete items shall be rejected.

c) If the bidders are manufacturers of Hospital Equipment, they must submit all valid licenses and permissions for trading & selling of the items quoted.

3. ELIGIBILITY CRITERIA

A. Bidder shall either be a manufacturer or a distributor/dealer having experience of supplying Hospital Equipment.

B. Average Annual turnover of the bidder (who is not a manufacturer) in the last five financial years from sales of Hospital Equipment shall not be less than Rs 10 Cr (Ten) Crores.

C. Average Annual turnover of Manufacturer participating as bidder or manufacturer from whom the Hospital Equipment, etc are to be procured, shall not be less than Rs 10 Cr (Ten) Crores. in the last 5 years.

D. Bidder should have at least 5 (Five) years Market Standing as supplier of Hospital Equipment.

- E. Manufacturers from whom Hospital Equipment will be procured should possess a valid ISO 9001:2008 Certification valid for the last three years issued by the competent authority. Equipment having IEC 60601 certification shall get due preference.
- F. Bidder should possess a valid GST Registration Certificate.
- G. Bidders shall have experience in supply & installation of Hospital Equipment in any of the last 5 (Five) years and the value of a single order during this period should be at least Rs 5 Crores.
- H. Bidder should have experience & knowledge of modes of packing, distribution & transportation of such items under any weather conditions.
- I. Bidder who has been blacklisted either by the Tender Inviting Authority or by any State Government or Central Government Organization shall not be allowed to participate in the tender during the period of blacklisting. A self-undertaking to that effect shall be furnished along with the technical bid.
- J. A bidder must quote for all the items included in the bid documents. In case, a bidder does not quote for one or more items in the tender, the bid shall be considered incomplete and shall be liable for rejection.
- K. As the supply and commissioning of the equipment is to be completed on an emergency basis before 19.08.2020, Consortium of suppliers/manufacturers for complete supply of all the equipment in this EOI is permitted. However, the turn over of only the lead member will be considered for eligibility.

4. GENERAL CONDITIONS

- (I) Tentative quantity of Equipment is given at Annexure XIV.
- (II) Tender document may be obtained from www.pmrda.gov.in.
- (III) Tenders will be opened in the presence of bidders / authorized representatives who choose to attend on the specified date and time as stipulated in the tender document.
- (IV) At any time prior to the date of submission of tender, the Tender Inviting Authority may, for any reason, whether on his own initiative or in response to a clarification requested by a prospective Bidder, modify the tender document by an amendment. All bidders who have received the tender document shall visit the tender section of www.pmrda.gov.in for CSC/CSD related to this tender.
- (V) Interested eligible bidders may obtain further information from the office by contacting Mr. Bharatkumar Bawiskar, Executive Engineer, PMRDA (Mob: 9828222829).

(VI) Price Preference/ Purchase Preference to PSUs / SSI Units shall not be applicable.

(VII) When a bidder specifies the name of the manufacturers of different products in the format at Annexure VIII, all required documents (specifically Average Annual Turnover Statement & quality certificates) of each manufacturer should invariably be furnished, failing which the bid would be summarily rejected.

(VIII) The purchaser shall have all rights to modify, addition, subtraction of any term(s) and condition(s) of the tender and different bids therein during any time of tender process, which shall be communicated to the bidder online.

5. TECHNO-COMMERCIAL BID – File “A”

The Bidder should furnish the following documents in a separate PDF file hereinafter called "File A".

A. Constitution of Company of Bidder:

Documentary evidence regarding constitution of the company /concern such as Memorandum of Articles of Association, Partnership Deed etc. with details like Name, Address, Telephone Number, Fax Number, E-mail Address of the firm with names of the Managing Director / Partners / Proprietor, Documents related to consortium,if applicable.

B. Manufacturing License of Principal Manufacturer:

Attested photocopy of valid Manufacturing License duly issued by the Licensing Authority for the products quoted.

C. Import License of Bidder:

Attested photocopy of Import License if the products are imported. The license must have been renewed up to date. A copy of a valid license for the sale of the products imported by the firm issued by the licensing authority shall also be enclosed.

D. Power of Attorney of Bidder:

Attested photocopy of instruments such as Power of Attorney, Resolution of Board etc., authorizing an officer of the bidding firm to submit their bids. Such authorized officers should sign the bid documents.

E. Undertaking of Bidder:

Undertaking in the form at Annexure-I.

F. Manufacturer's Authorization:

Authorization letters from all the manufacturers concerned in the format at Annexure - II. Bids without authorization letters will be disqualified.

G. CE/US FDA Certificate:

Attested photocopy of CE/US FDA Certificate (for manufacturers only whose items have been quoted in the tender) issued by the Competent Authority.

H. Annual Turnover

Annual turnover statement from sales of Hospital Equipment for last 5 Financial years (2015-16 to 2019-20) in the format given in Annexure-III A and Annexure III B certified by the Auditor / Chartered Accountant. It is to be noted that such statements of both the bidder and the manufacturer (in case the bidder is not a manufacturer) must be submitted.

I. Execution of similar contracts of Bidder:

Details of supplies (Hospital Equipment) made during the last 5 financial years with summary of Purchase Orders and Performance Certificates issued by clients in the specified format (Refer Annexure IV). Items supplied to Govt. institutions and to programs sponsored by WHO, UNICEF etc., if any for the last 3 years with copies of Purchase Orders and Performance Certificates.

J. GST Clearance Certificate of Bidder:

GST Clearance certificate, as on 31st March 2020 (as per format at Annexure-V).

K. Undertaking for providing of logo of Bidder:

Undertaking (as per Annexure-VI) for embossment of PMRDA logo on all items.

L. Details of Manufacturing Unit:

Details of Manufacturing Unit as per Annexure-VII. The details containing the name & address of the premises where the items are manufactured.

M. List of Items Quoted:

The List of items quoted shall be furnished as per Annexure - VIII. The list shall specifically indicate the manufacturer's name.

N. Technical Compliance Statement:

The bidder shall furnish technical compliance statement as per Annexure - IX

O. Undertaking on Fraud & Corruption of Bidder:

Undertaking on fraud and corruption in the format at Annexure-X

* It is to be noted that such statements of both the bidder and the manufacturer (in case the bidder is not a manufacturer) must be submitted.

P. Agreed Terms & Conditions of Bidder:

Agreed Terms & Conditions as per Annexure XI.

Q. Warranty / Guarantee:

As specified in the technical requirements for the Machines /equipment/ with spare parts from the date of installation, commission and handing over, the upgradation of all the software shall be done free of cost during the warranty period. The successful bidder shall maintain all the equipment supplied in this EOI in good working condition, for a minimum period of one year from the date of installation. All the expenses for repair and replacement of faulty/damaged equipment shall be borne by the successful bidder.

In case of any defects detected in items under warranty, the users shall notify procurement authority about the same. Procurement authority shall promptly notify the supplier in writing for any claims arising from such defects. If the defect is not rectified by the supplier within 15 days, procurement authority shall take necessary actions to claim compensation at the supplier's expense.

Software Warranty: In the event any Equipment are accompanied by or embedded with software, Vendor warrants that the software: (i) is free from defects in material and workmanship and will substantially conform to its written descriptions and any technical specifications and (ii) does not contain any virus, worm, timer or clock that would erase data or programming or otherwise cause the software to become inoperable. Vendor further agrees to provide Buyer, at no additional charge, any and all routine changes, updates and maintenance services intended to provide general improvements to the performance of the Equipment or as may be required for compliance with applicable government regulations.

R. 95% Uptime:

95% Uptime guarantee (24 x 7) must be provided during the warranty & CMC periods. If downtime exceeds 5% the warranty /CMC would be extended accordingly for double the breakdown time.

S. Comprehensive Maintenance Contract (CMC):

CMC (Labour + Spares) for next 3 years after completion of warranty period to be quoted. It will include periodic preventive maintenance and up gradation of software free of cost during the CMC period. The payment of CMC will be made on a yearly basis after satisfactory services during the CMC period. However, the cost of annual maintenance will not be the part of this bid price.

T. Signature & Seal on each page

The tender document signed by the Bidder in all pages with office seal.

U. Checklist of documents

A Checklist (Annexure-XII) for the list of documents enclosed with their page number. The documents should be serially arranged as per this Annexure-XII and should be securely tied or bound.

The above documents should be submitted in a PDF File, named As "Technical_Bid_[Name_of_the_Bidder]" to comm@pmrda.gov.in with a Cc to sepmrda@gmail.com.

7. PRICE BID – File “B”

File “B” shall contain the Price Bid of the Tender along with warranty offered. This shall be submitted in password protected file, on email id mentioned as above. If not, the bid is liable for rejection.

A. Signature & Seal on each Page

Each page of the Price Bid should be duly signed by the Bidder affixing the office seal.

B. Signature on corrections

Bid should be typed / written and every correction in the bid should be attested with full signature by the Bidder, failing which the bid will be ineligible. Corrections done with correction fluid should also be duly attested.

C. Items Quoted & Rates

The Bidder shall fill up the Annexure-XIII for items quoted.

D. Landed Cost

The rate quoted per unit or landed price in Annexure-XIII shall be exclusive of GST but inclusive of all other taxes and expenses like excise duty, packaging charge, freight, Insurance, installation ,training (as per the requirements of PMRDA), commissioning etc.

E. Unit Size/ Rate

The rate quoted in Annexure-XIII should be for a unit and given specification. The Bidder is not permitted to change / alter specification or unit size given in the Annexure-XIV.

The above documents should be mailed in a Password Protected PDF file named as "Commercial_Bid_[Name_of_the_Bidder] along with the commercial bid (in the same e-mail) to comm@pmrda.gov.in and Cc to sepmrda@gmail.com. The password of the commercial bid file must be shared with PMRDA at the time of evaluation of commercial bid, only when asked for.

8. OPENING OF File "A" AND File "B" OF TENDER

A. All bidders are entitled to be present at the date and time of opening of Technical Bid - File "A".

B. Only those bidders whose Technical Bids are found to be acceptable after technical evaluation, will be invited to be present at the date and time of opening of Price Bid - File "B(Financial Bid)" of the tender. The price bids of tenderers not found technically qualified shall not be opened. File "B" must be password protected and shall be opened by PMRDA only after sharing of the password by the technically qualified bidder.

9. VALIDITY OF BID:

Bids shall remain valid for acceptance for a period of 90 days after opening of Technical Bid i.e. Cover 'A'. Bids with shorter validity shall be rejected. Purchaser may solicit the bidder's consent to an extension of validity period.

10. VALIDITY OF OFFER OF SUCCESSFUL BIDDER:

The validity of the offer of the successful bidder shall be at least 1 (one) year from the date of finalization of the order and the successful bidder will be bound to supply the items at agreed rates and terms during this period. This validity period may be further extended with mutual consent, if equipment are required by PMRDA at various other locations in the PMR region..

11. OTHER CONDITIONS

A. Item Details & Quantity:

The details of the required items are shown in Annexure-XIV. The quantity mentioned is only the tentative requirement and may increase or decrease as per the decision of Tender Inviting Authority. The rates quoted should not vary with the quantum of the order or the destination.

B. Firm Rates (excluding GST)

Firm Rates (inclusive of Excise Duty, transportation, insurance, PACKAGING / INSTALLATION & TRAINING AT SITE CHARGES and any incidental charges) should be quoted for each of the required Hospital Furniture/Equipment etc., on door delivery basis according to the units ordered. Tender for supply of Hospital Furniture / Equipment etc. with conditional / variable rates shall not be accepted. Handling, clearing, transport charges etc., will not be paid separately. The delivery should be made as stipulated in the purchase order placed with the successful bidders. The rates quoted and accepted will be binding on the Bidder for the stipulated period and any increase in the price will not be entertained till completion of the tender period.

C. Unit Rate & Total Value

Each bid must contain not only the unit rate but also the total value of each item quoted for supply in the respective columns. The aggregate value of all the items quoted in the tender shall also be furnished.

D. Controlled Price/MRP

The price quoted by the bidders shall not, in any case exceed the controlled price, if any, fixed by the Government and the Maximum Retail Price (MRP). During the period of contract with the successful bidder, if the price of any item is reduced due to any reason including any Law or Act of the Central/State Government, the bidder shall be statutorily bound to intimate the reduced rates immediately to the Tender Inviting Authority and shall charge the reduced rates. The Tender Inviting.

Authority is empowered to unilaterally effect such reduction as is necessary in rates in case the bidder fails to notify or fail to agree to such reduction in rates.

F. No Revision/Correction of Rates

No Bidder shall be allowed at any time on any ground whatsoever to claim revision or modification in the rates quoted by him. Representation to make correction in the tender documents on the ground of Clerical error, typographical error, etc., committed by the bidders in the Bids shall not be entertained after submission of the bids.

E. Firm Delivery Schedule

Firm delivery schedule shall be mentioned in the bid. Cross conditions such as "SUBJECT TO AVAILABILITY" "SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED" etc., will not be considered under any circumstances and the tenders of those who have given such conditions shall be treated as incomplete and will be summarily rejected.

F. Execution of Order

Unless otherwise specified, supplies should be made directly by the successful bidder and not through any other agency.

G. Inspection

Tender Inviting Authority or his authorized representative has the right to inspect the factories of bidders, at any point of time and also has the right to reject the tender or terminate / cancel the orders, based on adverse reports brought out during such inspections. The Bidder shall extend all facilities to the team to enable them to inspect the manufacturing process, quality control measures adopted etc., in the manufacture of the items quoted/ordered.

H. Recall of Equipment

If recall or modification of any of the Equipment is required by the FDA or voluntarily or required by the Vendor, Vendor shall, at its sole cost and expense, immediately notify Buyer in writing of such recall or modification; remove, package, and ship to Vendor's plant the affected Equipment and at no additional charge to Buyer, replace such Equipment with Vendor Equipment which has been evaluated and accepted by Buyer as clinically comparable

I. Compliance/Approvals

Equipment should have proper approval i.e. FDA/CE and other necessary compliance.

J. License to Software

Vendor hereby grants to Buyer a limited, nonexclusive, royalty-free license and/or sublicense to use any software and its accompanying documentation delivered with or embedded in the Equipment. Any charge for the license is included in the purchase price set forth on the Agreement.

12. ACCEPTANCE OF TENDER

A. Tender Evaluation

Tenders will be evaluated with reference to the total amount for supply of all the items quoted in BOQ, for determining the L1 rate (Lowest rate). Conditional discounts shall not be considered for price comparison.

B. Right to Reject Tender

Tender Inviting Authority reserves the right to accept the tender or to reject the whole tender for the supply of all items of Hospital Furniture and Equipment tendered at any point of time without assigning any reason.

C. Tender Acceptance

The acceptance of the tenders will be communicated to the successful bidders in writing.

13. AGREEMENT

The successful Bidder shall execute an agreement on a non-judicial stamp paper of value of Rs.500/- (stamp duty to be paid by the Bidder) within 3 days from the date of the intimation from Tender Inviting Authority informing that his tender has been accepted. Successful Bidder shall pay the necessary stamp-duty at prevailing rates in the form of e-SBTR and submit the copy before execution of the agreement.

14. NON ASSIGNMENT

The Bidder shall not, at any time, assign, sub-let or make over the contract or the benefit thereof or any part thereof to any person or persons, whatsoever.

15. COMMUNICATION

All notices or communications relating to or arising out of an agreement or any of the terms thereof shall be considered duly served on or given to the Bidder if delivered to him or left at his premises, places of business or abode.

16. SECURITY DEPOSIT

The successful bidder, within 5 days of signing of the agreement, shall be required to submit a Security Deposit of 5 % of the order value in the form of bank guarantee/FDR/DD from any Indian nationalized bank in favour of the Executive Engineer, PMRDA,Pune ,valid for a minimum period of 9 months from the date of Letter of acceptance order. However, if the supplier fails to execute the order or fails to perform the services as per agreement, in addition to other penal actions, the bank guarantee shall be encased and the amount will be forfeited.

17. SUPPLY CONDITIONS

A. Purchase Order

Purchase order will be placed on the successful Bidder at the discretion of the Tender Inviting Authority.

B. Specifications & Quality

The items supplied by the successful Bidder shall be of the best quality and shall comply with the specifications, stipulations and conditions specified at Annexure-XIV.

C. Delivery Period

The supply should be started within 03 (Three) days from the date of purchase order and should be completed before 19.08.2020 alongwith installation training and commissioning.

D. Delivery Point/Destination

The items shall be delivered PMRDA Dedicated COVID-19 Hospital (DCH), College of Engineering Pune Ground, Shivajinagar, Pune, and Annasaheb Magar Stadium, Pimpri Pune.

Additionally, similar supply shall be made at any other location within Pune or Pimpri-Chinchwad Municipal Corporation/ PMRDA region, if required in future, where the DCH is required to be set-up as per the list furnished with the Supply Order.

Equipment will be delivered, F.O.B. Destination (shipment, handling, insurance prepaid and absorbed by Vendor) no later than the delivery date indicated on the Purchase Order. Title and risk of loss or damage to items shall remain with Vendor until delivered to the Installation Site and Buyer has inspected the delivered components and determined that the shipment is complete and the components undamaged. The Equipment shall be packaged appropriately and all cartons shall be clearly stamped with Buyer's Purchase Order Number. Buyer must be able to identify easily all items of the Equipment contained within each carton. The Equipment shall be packaged appropriately and all cartons shall be clearly stamped with Buyer's Purchase Order Number.

Vendor shall provide Buyer with two (2) copies of operator and service instruction manuals (which shall include electrical and mechanical schematics, and parts and current price lists).

Vendor shall be responsible for the removal of any and all trash and waste from the installation site.

E. Penalty for Delayed Delivery

(i) There is a Pandemic situation and supply of material to the COVID centre in time is a mandatory requirement. In case there is delay in delivery beyond the stipulated period as mentioned in the purchase order, there shall be reduction in price @ 0.5% of the value of delayed goods per day of delay or part thereof subject to a maximum of 10% of the total order value.

(ii) Once the maximum price reduction is reached, termination of the contract may be considered. Non-performance of the contract provisions shall make the successful bidder liable

to be disqualified to participate in any tender for the next 5 years, in addition to forfeiture of Security Deposit and other penal actions like blacklisting, etc.

(iii) Apart from the penal actions mentioned in the conditions of contract, If the successful bidder fails to undertake the contract, the bidder is liable for all damages sustained by the Purchaser by reasons of breach, including the liability to pay any difference between the prices accepted by him and those ultimately paid for the procurement of the articles concerned.

F. Alternative Purchase

If the successful Bidder fails to execute the order within the stipulated time, the Tender Inviting Authority will be at liberty to make alternative arrangements for purchase of the items of Hospital Furniture and Equipment for which the purchase orders have been placed, from any other source or from the open market, at the risk and cost of the supplier. This would be in addition to any other penalties including forfeiture of security deposit.

G. Shortage and Damage

It shall be the responsibility of the successful Bidder for any shortages/damages at the time of receipt in Warehouse/institution. Tender Inviting Authority is not responsible for the items received, for which no order is placed.

18. FORCE MAJEURE

The above conditions of delivery period, price reduction & termination etc. are subject to force majeure conditions which are beyond the control of the supplier, do not involve fault or negligence of the supplier and are not anticipated. Such events may include but are not limited to riots, mutinies, war, fire, storm, tempest, flood, earthquakes, epidemics, or other exceptional causes like quarantine restrictions, freight embargoes. On specific requests made by the bidder the time period of supply may be extended by the purchaser at his discretion for such period as may be considered reasonable. However, the condition shall not include scarcity of raw materials, power cut, labour dispute, failure of sub-vendor and increase in cost of raw material.

19. FRAUD & CORRUPTION:

The bidders, suppliers & contractors shall observe the highest standard of ethics during bidding and during performance of the contract. For the purposes of this provision, the following acts shall be considered as corrupt and / or fraudulent practices -

1. "Corrupt Practice" means offering, giving, receiving, or soliciting directly or indirectly, of anything of value to influence the action of an official in the procurement process or in contract execution.

2. “Fraudulent Practice” means misrepresentation or omission of facts in execution of a contract.
3. “Collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive level.
4. “Coercive Practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process or in execution of a contract.

During the process of evaluation of a bid or proposal for award of a contract, if it is detected that a bidder directly or through agent has engaged in corrupt, fraudulent, collusive or coercive practice in competing for the contract in question, then a) the bid shall be rejected and b) declare the firm ineligible for a specific period or indefinitely to participate in a bidding process. However, if any such practice is detected at any subsequent stage or during execution of the contract, the Tender Inviting Authority will exercise the right to cancel the contract and make suitable alternative arrangements at the risk and cost of such offending bidder.

20. LOCAL CONDITIONS:

It will be imperative on each bidder to fully acquaint himself with all local conditions and factors that would have any effect on performance of the Contract. The Tender Inviting Authority shall not entertain any request for clarifications from the bidder regarding such local conditions nor shall accept any offer conditional to the local factors. No request for any change of price or extension of time schedule of delivery of goods shall be entertained after acceptance of bids.

21. LOGOGRAMS

Logogram means, wherever the context occurs, the design as specified in Annexure-VI.

- A. Tenders for the supply for furniture and equipment etc., shall be considered only if the Bidder gives undertaking in his tender that the items will be supplied with the logogram either printed or embossed or affixed as per the design at Annexure-VI.
- B. All items must be supplied in standard packing with printed logogram. Affixing of rubber stamps shall not be accepted.
- C. Failure to supply furniture and equipment etc., with the logogram will be treated as breach of the terms of agreement.

22. PACKING

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- A. Packing should be able to prevent damage or deterioration during transit.
- B. In the event of equipment supplied found to be not as per specifications, the Tender Inviting Authority will be at liberty to make alternative purchase of the items for which the Purchase orders have been placed from any other source or from the open market at the risk and the cost of the supplier.

24. VENDOR RESPONSIBILITIES

(i) Deliver the Equipment described on attached purchase order at no added cost or expense

(ii) Install the Equipment or provide installation instructions with all Accessories BOQ.

(iii) Provide training or instructions regarding the Equipment's operation to all working personnel

(iv) Provide a Single Point Contact number for technical assistance/Engineer. In the performance of the services hereunder.

(v) Maintain uptime warranty.

(vi) Ensure immediate replacement or repair of any faulty Equipment or should provide a standby machine till time.

vii) Maintain call response time of less than 3 hours.

viii) Submit applicable Testing / Certification / Acceptance / installation / training reports should be submitted Equipment wise.

ix) Required training on the use and operation of the Equipment and related disposables will be provided as per the time suggested by PMRDA. Training will be conducted at Buyer's location, and the training, as well as any written materials distributed by Vendor, shall be provided to Buyer at no additional cost.

x) Provide support to the equipment for a period of 7 years or till end of life, whichever earlier.

25. PAYMENT PROVISIONS

- A. Payments towards the supply of equipment will be made strictly as per rules of the Tender Inviting Authority. All payments shall be made by way of RTGS i.e direct online payment or by the virtue of a Crossed A/C Payee Cheque drawn in favour of the supplier.
- B. On completion of supplies of ordered quantities bills/ Invoices along with installation reports should be raised in triplicate in the name of the Tender Inviting Authority with address.
- C. If at any time during the period of contract, the price of tendered items is reduced or brought down by any law or Act of the Central or State Government or by the Bidder himself, the Bidder shall be bound to inform Tender Inviting Authority immediately about such reduction in the contracted prices. Tender Inviting Authority is empowered to unilaterally effect such reduction as is necessary in rates in case the Bidder fails to notify or fails to agree to such reduction in rates.
- D. GST will be paid extra at actuals. The bidder shall submit the paid GST invoices and PMRDA shall reimburse it.
- E. Tender Inviting Authority has every right to receive supply even after expiry of contractual delivery date and in such case; price reduction as specified under Clause No. 17 E will be applicable.
- F. If the supply is received in damaged condition it shall not be accepted. In case of damage in the packing, the supply will be accepted only after levying penalty as decided by the Tender Inviting Authority on the total value of supply to that particular warehouse.
- G. The successful bidder will be required to supply the products with logogram and with strict adherence to the prescribed packing specifications. If there is any deviation in these packing specifications a separate penalty will be levied @ 2% irrespective of the Tender Inviting Authority having actually suffered any damage/loss or not, without prejudice to the right of alternative purchase as specified in Clause No. 17 F. No deviation in logogram shall be accepted.

26. ANNULMENT OF AWARD, FORFEITURE OF SECURITY DEPOSIT & FRESH AWARD:

Failure of the successful bidder to comply with the requirements of signing of contract and / or submission of performance security within the time schedule as stipulated above shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security/EMD. Under such a situation, the proposal may be reviewed for award of the contract on the next lowest evaluated technically qualified bidder or go for a fresh bid depending on the circumstance. In case it is decided to go for the next lowest bidder, negotiation may be considered to bring down their price nearer to the originally evaluated lowest bidder.

27. QUALITY CONTROL DEDUCTION & OTHER PENALTIES:

- A. The goods supplied under this contract shall conform to the standards prescribed in the Technical Specifications and when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods Country or origin and such standards shall be latest issued by concerned Institution.
- B. If the items do not conform to statutory standards, the supplier will be liable for relevant action under the existing laws and the items should be taken back by the supplier within a period of 02 days of the receipt of the letter/notice from the Tender Inviting Authority. The stock shall be taken back at the expense of the supplier. Tender Inviting Authority has the right to destroy such ITEMS NOT CONFORMING TO STANDARDS if the supplier does not take back the goods within the stipulated time. Tender Inviting Authority will arrange to destroy the ITEMS NOT CONFORMING TO STANDARDS within 10 days after the expiry of 02 days mentioned above, without further notice, and shall also collect demurrage charges calculated at the rate of 0.5% per day on the value of the item rejected till such destruction.
- C. If any items of Hospital Furniture/ Equipment supplied by the supplier have been partially or wholly used after supply and are subsequently found to be in bad odour, unsound, inferior in quality or description or otherwise faulty or unfit for consumption, then the contract price or prices of such items will be recovered from the supplier, if payment had already been made to him. In other words the supplier will not be entitled to any payment whatsoever for items found to be NOT OF STANDARD QUALITY whether used or not used and the Tender Inviting Authority is entitled to deduct the cost of such item from the any amount payable to the supplier. On the basis of the nature of failure, the supplier of the product (s) will be liable for Blacklisting.
- D. In case of supply of items of NOT OF STANDARD QUALITY, the Directorate will be informed for initiating necessary action on the supplier and that product shall be banned and no further supplies accepted from him till he is legally discharged. The supplier shall also not be eligible to participate in tenders of Tender Inviting Authority for supply of such items for a period of five subsequent years.
- E. The supplier shall furnish the source of procurement of raw materials utilized in the manufacture if required by Tender Inviting Authority. Tender Inviting Authority reserves the right to cancel the purchase orders if the source of supply is not furnished.
- F. The decision of the Tender Inviting Authority or any officer authorized by him as to the quality of the supplied Hospital Furniture/ Equipment shall be final and binding.
- G. Tender Inviting Authority will be at liberty to terminate without assigning any reasons thereof the contract either wholly or in part on 10 days' notice. The supplier will not be entitled for any compensation whatsoever in respect of such termination.

H. For infringement of the stipulations of the contract or for other justifiable reasons, the contract may be terminated by the Tender Inviting Authority, and the supplier shall be liable for all losses sustained by the Tender Inviting Authority, in consequence of the termination which may be recovered personally from the supplier or from his properties, as per rules.

I. Non-performance of any of the contract provisions will disqualify a firm to participate in tenders issued by the Tender Inviting Authority for the next five years.

J. In the event of making ALTERNATIVE PURCHASE, the supplier will be imposed penalty apart from forfeiture of Security Deposit. The excess expenditure over and above contracted prices incurred by the Tender Inviting Authority in making such purchases from any other source or from the open market shall be recovered from the Security Deposit or from any other money due to the supplier and in the event of such amount being insufficient, the balance will be recovered personally from the supplier or from his properties, as per rules.

K. In all the above conditions, the decision of the Steering Committee / Health Committee/ PMRDA shall be final and binding.

28. ARBITRATION

The Health Technical committee and the healthcare consultant appointed by PMRDA for the project will closely review and monitor the day to day activities of the bidder. In case of any disputes, the matter shall be referred to the health technical committee. And if not resolved, it shall be referred to the Steering Committee headed by the Hon. Divisional Commissioner, Pune Division. The decision of the Steering Committee shall be final and binding on all the parties.

29. SAVING CLAUSE

No suit, prosecution or any legal proceedings shall lie against the Tender Inviting Authority or any person for anything that is done in good faith or intended to be done in pursuance of tender.

30. LAWS GOVERNING THE CONTRACT & JURISDICTION

The contract shall be governed by the laws in force in India. In the event of any dispute arising out of the tender such dispute would be subject to the jurisdiction of the Courts in Pune.

31. VARIATION:

Each DCHC/DCH facility is to be provided for 800 beds (600 oxygenated + 140 HDU + 60 ICU beds). However, each of the facilities may be required to be extended for more beds in case of emergency. The bidder shall be required to arrange for 20% extra machinery and equipment in

case of such time. The payment for the additional equipment supplied will be made as per the rate quoted in this tender.

32. PROVIDING THE SERVICES TO OTHER LOCATION:

If required, similar additional DCHC/DCH facilities may be required to be provided at other locations through PMRDA. In such case, the successful bidder or any other qualified bidder shall provide this scope at any other location in Pune district at this accepted rate. The decision of the PMRDA / Steering Committee in this regard shall be final and binding on all the bidders.

(Vivek Kharwadkar)
Chief Engineer, PMRDA

(Dr. Suhas Diwase)
Metropolitan Commissioner, PMRDA

**Full Name, Signature of the bidder With official seal and address
(For the acceptance of EOI conditions)**

ANNEXURE I

UNDERTAKING

To

Tender No. _____

For supply of _____

Sir,

1. I, Shri _____, on behalf of M/s _____ having registered office at _____,

do hereby declare that I have gone through the terms and conditions mentioned for the above and undertake to comply with all tender terms and conditions. The rates quoted by me/us are valid and binding on me/us for acceptance for a period of two year from the date of award of contract to us.

2. I/We undersigned hereby bind myself/ourselves to the Office of To supply The rates quoted by me/us for the items tendered for are specified against each. It is certified that rates quoted are lowest quoted for any institution in India and not higher than the MRP/ prevailing market rate.

3. The articles shall be strictly as per specification and of the best quality as per requirement of the institution. The decision of the Office of Steering Committee/PMRDA (Hereinafter called the said Purchaser) as regards to the quality and specification of article shall be final and binding on me/us.

a) Authorization from Manufacturer: We shall furnish authorization from the manufacturer legally enforceable undertaking to the Purchaser in appropriate format obligations valid for a period of 3 years from the date of supply of the supplied equipment.

4. We agree to the conditions of the tender under which the SECURITY DEPOSIT shall be forfeited by the authority .

5. We hereby undertake to pay the penalty as per the terms and conditions of the contract for delayed supply of the ordered items.

6. We agree to accept the amount of the bill to be paid by the purchaser after completion of all formalities and should any amount of the bill found by the purchaser/auditors to have been overpaid; the amount so found shall be refunded by me/us.

7. We hereby undertake to supply the items during the validity of the tender as per direction given in supply order within the stipulated period.

8. The tender inviting authority has the right to accept or reject any or all the tenders without assigning any reason.

9. We understand all the terms and conditions of the contract and bind myself/ourselves to abide by them.

10. We hereby declare that there is no vigilance/CBI or court case pending/contemplated against us at the moment.

SIGNATURE :

NAME & DESIGNATION :

DATE :



NAME & ADDRESS OF THE FIRM :

Annexure –II

MANUFACTURER’S AUTHORIZATION FORM

NO.

DATED

To,
The Metropolitan Commissioner,
PMRDA, Pune.

Tender No.

Dear Sir,

We _____ who are established and reputable manufacturers of _____ having factories at _____ registered office at _____ Possessing manufacturing license (SSI) No. _____ dated _____

Valid up to _____ hereby authorize _____ (name and address of representative and firm), to submit a bid and subsequently negotiate and sign the contract with you against the above mentioned tender for the items quoted as per the list enclosed in Annexure - XIII

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE MANUFACTURER :

Annexure-III A

ANNUAL TURNOVER STATEMENT OF THE BIDDER

The Annual Turnover of M/s _____ for the past

Five years and concurrent commitment for the current financial year are given below and certified that the statement are true and correct.

Sl No.	Year	Turnover in Rs Lakhs
1.	2015-16	
2.	2016-17	
3.	2017-18	
4.	2018-19	
5.	2019-20	

Date :

Signature of Auditor / Chartered

Accountant

(Name in Capital Letters)

Seal :

UDIN:

Annexure-III B

ANNUAL TURNOVER STATEMENT OF THE MANUFACTURER

The Annual Turnover of M/s _____ for the past five years and concurrent commitment for the current financial year are given below and certified that the statements are true and correct.

Sl No.	Year	Turnover in Lakhs
1.	2015-16	
2.	2016-17	
3.	2017-18	
4.	2018-19	
5.	2019-20	
	Total	- Rs. _____ Lakhs

Date :

Signature of Auditor / Chartered

Accountant

(Name in Capital Letters)

Seal :

UDIN:

Annexure-IV
Performance Statement

Tender No:

Sl.	Name of the product	Qty supplied	Year of supply	Value	Name and full address of the purchaser
	1	2	3	4	5
1.					
2.					
3.					

(Please use additional sheets if required. Copies of purchase orders executed during last five financial years to be enclosed)

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

Annexure-V
CERTIFICATE OF GST VERIFICATION TO BE PRODUCED BY AN APPLICANT

(To be filled by the applicant)

- 01.** Name or style in which the applicant is assessed or assessable to GST Addresses or assessment
- 02.** a. Name and address of all companies, firms or associations or persons in which the applicant is interested in his individual or fiduciary capacity.....
.....
- b. Places of business of the applicant (All places of business should be mentioned)
.....
- 03** The Districts, taluks and divisions in which the applicant is assessed to GST (All the places of business should be furnished).
.....
.....
- 04** a. Total contract amount in the preceding three years.

- | | |
|----|---------|
| 1. | 2015-16 |
| 2. | 2016-17 |
| 3. | 2017-18 |
| 4. | 2018-19 |
| 5. | 2019-20 |

b. Particulars of GST for the preceding three years.

Year	Total T.O. to be assessed	Total Tax to be Assessed	Total Tax Paid (Rs.)	Balance Due (Rs.)	Reasons For Balance
2015-16					
2016-17					
2017-18					
2018-19					
2019-20					

c.If there has been no assessment in any year, whether returns were submitted any, if there were, the division in which the returns were sent.

d. Whether any penal action or proceeding for the recovery of Sales Tax is pending

e.The name and address of Branches if any:

I declare that the above mentioned information is correct and complete to the best of my knowledge and belief.

SIGNATURE :

NAME & DESIGNATION :

DATE :

Enclosure of Annexure-V

(To be issued by the GST Assessing Authority)

In my opinion, the applicant M/s..... has been / has not been / doing everything possible to pay the Tax demands promptly and regularly and to facilitate the completion of pending proceedings.

Date Seal : Deputy / Asst. Commercial Tax Officer

Note : Separate certificates should be obtained in respect of each of the place of business of the applicant from the Deputy Commercial Tax officer or Assistant Commercial Tax Officer having jurisdiction over that place.

Annexure-VI

Tender No:

UNDERTAKING FOR EMBOSSMENT OF LOGO

We M/s Do hereby declare that, if favored with an order, we will supply the ordered ITEMS embossed with PMRDA Logo and the inscription "PMRDA COVID Hospital" and as per any other instructions given in this regard.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :



PUNEMETROPOLIS

LOGOGRAM

Annexure – VII

Declaration on Manufacturing facilities
(To be filled in & signed by the manufacturer)

Tender No. _____

For supply and installation of lab equipment

1. Name of the manufacturer :
2. Full Postal Address :
3. Telephone No. /Fax No. :
4. Email address :
5. Date of inception of business
6. Registration no. & Date :
7. Issued by :
8. Valid till :
9. Details of manufacturing activity :
& item wise capacity
12. Name of Govt. Departments/ Pvt. Institutions :
As per enclosure to which the bidder already supplied the items with quantity value and supply period
13. Has the bidder ever been black listed :
by any govt. agency? If yes, give details.
14. Are any cases pending in the court related to :
any supplies? If yes, give details
15. Does the firm have the adequate facilities for :
Inspection and quality control?

Please give details

I, _____ Prop./partner/Director of M/s

Hereby declare that the information given in this form is true and correct to the best of my knowledge & belief.

I/we agree to the tender Inviting Authority forfeiting the Earnest Money Deposit and/or Performance Security Deposit and blacklisting us for a period of 5 years, if any information furnished by us is proved to be false at the time of inspection and non – compliance with terms and conditions of the contract

I offer to supply the items mentioned in the schedule (enclosed in price bid) at the rates quoted therein. I agree to hold this offer for two years after finalization of the rate contract.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE MANUFACTURER :

The details of manufacturing unit shall be for the premises where items quoted are actually manufactured.

Annexure-X

UNDERTAKING ON FRAUD & CORRUPTION

We do hereby undertake that, in competing for (and, if the award is made to us, in executing) the subject contract for supply of ordered items under tender reference no we shall strictly observe the terms and conditions against fraud and corruption in force in the country.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

Annexure-XI
AGREED TERMS & CONDITIONS

Tender No. & Date _____

A. Details of Bidder

Bidder Name:

Offer Ref:

Contact Person:

Telephone No:

Signature:

E-mail:

B. Definitions

1. "Purchaser" means the Metropolitan Commissioner, PMRDA, Pune or his authorized representative.
2. "Bidder" means a person or firm or company who has made an offer for supply of goods and /or service as per tender.
3. "Vendor" or "Supplier" means a person or firm or company, to whom the order is addressed for supply of goods and /or services.
4. "Site" means the premises of the purchaser or any other place as decided by the Purchaser.

NOTE: The questionnaire below must be duly filled in and should be enclosed with un-priced Technical Bid, (File A). Clauses confirmed here under should not be repeated. All commercial terms and conditions should be indicated in this format. If necessary, details including deviations to the terms and conditions of the bid document, if any, should be enclosed as annexure to this questionnaire.

Sl. No.	Description	<u>Vendor's Confirmation</u> (Confirmed/Noted/Deviation furnished separately)
	C. Technical	
1.	Confirm that you meet the eligibility criteria as per bid document and have furnished relevant documents.	



2.	Confirm acceptance of Technical Specification and scope of supply as per Tender Document. Confirm that the quality will be as per technical requirements.	
3.	In case of deviations, confirm that the same have been highlighted separately.	
4.	Confirm that literature and technical data, wherever applicable, have been enclosed.	
5.	Confirm that all certificates/ documents are furnished.	
6.	Confirm that Earnest Money Deposit (EMD) as per bid document has been furnished in Cover A	
	D. Commercial	
1.	It is noted that any deviations to the commercial terms and conditions shall lead to loading of prices or rejection of offer.	

2.	Confirm that the quoted landed price per kit is inclusive of cost of containers, packing & forwarding charges, freight, insurance and all duties and taxes viz. Excise Duty, Sales Tax/VAT.	
3.	Confirm furnishing of price break-up of each item showing basic price of item and Tax/VAT as %age of basic price to arrive at landed price in D2 above.	
4.	It is noted that the statutory variations in taxes and duties within the contractual delivery period shall be borne by the purchaser.	
5.	If there is any variation or fresh imposition of Excise Duty at the time of supply due to various reasons, including turn-over, confirm that the same shall be borne by the supplier.	
6.	If clause 5 above is not acceptable, advice maximum possible rate of additional ED chargeable; this shall be loaded to your price.	
7.	Confirm that in case any new or additional duties and taxes are imposed after the contractual delivery date due to delays attributable to the supplier the same shall be borne by the supplier. This will be in addition to Price Reduction for Delay in Delivery.	



8.	Confirm acceptance of Price Reduction Schedule for delay in delivery @ 0.5% of delayed value of goods per week of delay or part thereof subject to maximum of 10% of the total order value.	
9.	Confirm acceptance of Delivery Period as indicated under clause 17 © of the bid document.	
10.	Confirm acceptance of relevant payment terms specified in the bid document.	
11.	It is noted that delivery period, price reduction, termination etc. are subject to Force Majeure Condition as stipulated in the bid document.	
12.	Confirm that the quoted prices shall remain firm & fixed till complete execution of the order.	
13.	a) In case you are a manufacturer confirm that the prices quoted are not higher in any respect than MRP b) In case you are a dealer/ distributor / authorized agent, confirm that the prices quoted are as per manufacturer's price list with appropriate discount	
14.	Packing / forwarding, transportation, loading/ unloading and insurance are supplier's responsibility. However, to protect the items from physical damages and/or deterioration due to weather during transit, supplier to ensure proper packing & handling arrangement. Please confirm compliance.	
15.	Confirm that security deposit of 5 % of the total order value in the form of a Bank Guarantee from a nationalized Bank shall be furnished, which will be valid for a period of one year from the date of order.	
16.	Confirm acceptance of Part Order.	
17.	Confirm acceptance of Repeat order within 24 months from the date of initial order at same price and terms & conditions.	
18.	Confirm that Road Permits for dispatch of materials will be arranged by Supplier.	
19.	It is noted that the purchaser would disown any responsibility / liability towards irregularity, contravention or infringement of any statutory regulations including	



	those of patent, on manufacture or supply of goods covered by the order.	
20.	Terms & Conditions indicated in this format shall not be repeated in the bid. Terms & Conditions indicated elsewhere and contradicting those in this format shall be ignored. Confirm compliance.	
21.	Confirm that you shall observe the highest standard of ethics during bidding and in case favoured with an order, the execution of the order will be completed, without resorting to any fraud, corruption and/or coercion.	
22.	Confirm that the offer shall be valid for a period of 90 days from the date of bid opening.	

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

Annexure-XII
CHECK LIST

Sl No.	File A	Yes	NO
1.	Documentary evidence for the constitution of the company/concern		
2.	Attested photocopy of Manufacturing License duly approved by the Licensing Authority for the products quoted		
3.	Attested/notarized copy of valid CE Certificate.		
4.	Attested/notarized copy of valid ISO 9001:2008 Certificate.		
5.	Power of Attorney, Resolution of Board etc., authorizing an officer of the bidding firm to sign the tender documents.		
6.	Detailed specifications & dimensions of each item along with catalogue, drawings etc.		
7.	Undertaking in the form at Annexure-I		
8	Authorization from Manufacturer to the bidder as per Annexure -II		
9	Annual Turnover Statement for 3 years as per Annexure – III A & Annexure – III B		
10	List of similar contracts executed during the last 3 years as per Annexure-IV.		
11	GST Clearance certificate		
12	List of Items Quoted as per Annexure VIII		
13	Technical Compliance Statement as per Annexure IX		
14	Undertaking for Embossment of Logo as per Annexure – VI		
15	Details of Manufacturing Unit as per Annexure – VII		
16	Undertaking on fraud and corruption as per Annexure – X		
17	Agreed Terms and conditions as per Annexure – XI		
20	Signature and seal on each page of Tender Document		
Sl No.	File B	Yes	NO
1.	Price Bid as per Annexure – XIII submitted in a sealed cover		

Annexure-XIII

File 'B' – PRICED BID
(To be submitted in a Password Protected PDF File)

Tender No. EOI-04/2020-21 Date: 05.08.2020

Medical equipment for PMRDA DCH / DCHC as per the specifications in Annexure XVI(A) and Annexure XVI(B):

N.B: The quantity mentioned against each item is indicative only and may increase or decrease at the time of placing of the order.

A) ICU and HDU area:

S. No.	Department	Name of Equipment	Qty for COEP DCH	Qty for AMPS DCH	Total Qty	Rate	Amt
1	140 bed HDU	Patient Monitor	140	140	280		
		Syringe Pump	280	280	560		
		BIPAP/CPAP	28	28	56		
		HFOC/AirVo	28	28	56		
		Dialysis machine	14	14	28		
		Infusion Pump	70	70	140		
		3 function Manual Bed	140	140	280		
		Over bed table	140	140	280		
		Stretcher trolley	4	4	8		
		Mayo trolley	7	7	14		
		Bed Side locker	140	140	280		
		Clean linen trolley	7	7	14		



		Dirty linen trolley	7	7	14		
		Medicine trolley	7	7	14		
2	Nurse station-4	Weight machine	1	1	2		
		Height measurement	1	1	2		
		X ray View box	1	1	2		
		Crash cart	1	1	2		
		Dressing trolley with bowl and bucket	1	1	2		
		Pulse oximeter	4	4	8		
		Digital B.P apparatus	4	4	8		
		HGT machine	2	2	4		
		laryngoscope set	2	2	4		
		Defibrillator	1	1	2		
		ECG machine	1	1	2		
		ECG machine Trolley	1	1	2		
		Nebulizer	2	2	4		
		contactless thermometer	1	1	2		
		Torch	2	2	4		
		Stethoscope	4	4	8		
		Ambu Beg	1	1	2		
4	Clean utility	Refrigerator	1	1	2		
	Dirty utility	Bed Pen Washer	1	1	2		



5	60 bed ICU	Patient Monitor	60	60	120		
		CNS Monitor	4	4	8		
		Syringe Pump	180	180	360		
		Infusion Pump	60	60	120		
		Fluid Warmer	30	30	60		
		video laryngoscope	2	2	4		
		Patient warmer	15	15	30		
		Ventilator (Adult/paed)	30	30	60		
		Transport Ventilator	2	2	4		
		Transport Monitor	2	2	4		
		HFOC/AirVo	10	10	20		
		Dialysis machine	6	6	12		
		Mobile Light	1	1	2		
		ABG Machine	1	1	2		
		5 function Motorized Bed	60	60	120		
		Over bed table	60	60	120		
		Stretcher trolley	2	2	4		
		Mayo trolley	2	2	4		
		Bed Side locker	60	60	120		
		Clean linen trolley	2	2	4		
		Dirty linen trolley	2	2	4		
		Medicine trolley	2	2	4		



2	Nurse station ICU -7	Weight machine	1	1	2		
		Height measurement	1	1	2		
		X ray View box	1	1	2		
		Crash cart	1	1	2		
		Dressing trolley with bowl and bucket	1	1	2		
		Pulse oximeter	4	4	8		
		Digital B.P apparatus	4	4	8		
		HGT machine	2	2	4		
		laryngoscope set	2	2	4		
		Defibrillator	1	1	2		
		ECG machine	1	1	2		
		ECG machine Trolley	1	1	2		
		Nebulizer	2	2	4		
		contactless thermometer	1	1	2		
		Torch	2	2	4		
	Stethoscope	4	4	8			
7	Clean utility	Refrigerator	1	1	2		
	Dirty utility	Bed Pen Washer	1	1	2		
8	Radiology	Portable x-ray	2	2	4		
		X Ray View Box	1	1	2		
		CR system & Printer	2	2	4		



		USG-Mobile	2	2	4		
9	Pathology	Centrifuge	2	2	4		
		Thermo pipettes	1	1	2		
		Lab Freezer	2	2	4		
		Microscope	2	2	4		
		Hot Air Oven	1	1	2		
		Digital Timer	1	1	2		
		Blood Cell counter- Manual	1	1	2		
		5 Part Haematology Analyzer	1	1	2		
		Bio Chemistry Analyzer	1	1	2		
Total (A)							

B) 600 Bedded Oxygenated Bed Area

S.No.	Department	Name of Equipment	Qty for COEP DCH	Qty for AMPS DCH	Total Qty	Rate	Amt
1	Oxygen Bed (600) Area	Bed side locker	614	614	1228		
	Beds will be provided by PMRDA	IV stand	614	614	1228		
		Wheel chair	24	24	48		
		stretcher trolley	12	12	24		



		Portable Suction machine	12	12	24		
2	Nurse station-5	Weight machine	1	1	2		
		Height measurement	1	1	2		
		X ray View box	1	1	2		
		Crash cart	1	1	2		
		Dressing trolley with bowl and bucket	1	1	2		
		Pulse oximeter	4	4	8		
		Digital B.P apparatus	4	4	8		
		HGT machine	2	2	4		
		laryngoscope set	2	2	4		
		Defibrillator	1	1	2		
		ECG machine	1	1	2		
		ECG machine Trolley	1	1	2		
		Nebulizer	2	2	4		
		contactless thermometer	1	1	2		
		Torch	2	2	4		
		Stethoscope	4	4	8		
3	Clean utility (5units)	Refrigerator	1	1	2		
4	Radiology	Portable X ray	2	2	4		
		CR system with printer	2	2	4		
		X ray View box	1	1	2		



5	Pathology	Centrifuge	2	2	4			
		Thermo pipettes	1	1	2			
		Lab Freezer	2	2	4			
		Microscope	2	2	4			
		Hot Air Oven	1	1	2			
		Digital Timer	1	1	2			
		Blood Cell counter- Manual	1	1	2			
		5 Part Haematology Analyzer	1	1	2			
		Bio Chemistry Analyzer	1	1	2			
Total (B)								

Total Offer Price = (A) + (B) = ----- (in figures)

Total Offer Price = ----- (in words)

Note:

1. In case of error, the amount mentioned in words will be considered.
2. The rate quoted shall be inclusive of all types of expenses like Taxes , duties allowances, insurance, and any other such expenses that may be applicable in all respects (Excluding GST).
3. The statutory taxes will be deducted by PMRDA while releasing the payments as per the policy.
4. Financial offer (Annexure-XIII) shall be submitted by the Potential bidder along with requisite documents and financial bid from their own email-id to comm@pmrda.gov.in with CC to sepmrda@gmail.com in password protected file. Also, a hard copy of such Bids can be submitted to Metropolitan Commissioner, Pune Metropolitan Development Authority, Maharaja Sayajirao Gaikwad Udyog Bhawan, Aundh, Pune 411 007, from 05th August 2020 at 15.00 Hrs up to 10th August 2020 before 11.00 Hrs.
5. Financial Bid shall be submitted as prescribed in this Annexure-XIII in a password protected file over mail, whose password shall be shared with PMRDA during or after the evaluation of technical bid when asked for.

Full Name, Signature of the Bidder

with Official Seal & Address

Annexure – XIV- A

TECHNICAL SPECIFICATIONS OF MEDICAL EQUIPMENT

1. Multiparameter Monitor 12" Screen:

- Should have TFT/LCD display with at least 12 inches with 5 waveforms and numeric display simultaneously. The waveforms should be user selectable.
- Should be compact and portable with carrying handle
- Monitor should have in built Lithium-ion type battery for 4 Hrs. continuous operations in case of mains failure.
- Should have keys for quick access to main functions.
- Should be able to monitor ECG, SpO₂, NIBP, Respiration Rate, ETCO₂ & Temperature for adult, Paediatric and neonatal patients 3 or 5 Lead ECG monitoring with lethal arrhythmia recognition capability and ST.
- Analysis Respiration & Apnea alarm
- Manual, Auto and STAT mode for NIBP monitoring and ranges should be 20 to 23 MmHg.
- Pulse Oximeter (SpO₂) with Plethysmograph & Pulse strength indicator with variable pitch with change in SpO₂.
- Should have separate volume control for beep sound for QRS and alarm sound.
- The display setting should have at least 4 user defined setups variable as per applications for flexible use of the monitor in various clinical environments.
- Monitor should have networking options
- Should have separate volume control for beep sound for QRS and alarm sound.
- Machine must be provided with wall mountable stand

2. Three Para Patient Monitor 10" Screen

- The screen display size must be at least 10" with Colour TFT. 2) The Three Para must be with ECG sweep speed 12.5, 25, 50mm/sec.
- Machine must be light weighted.
- Machine must be touch screen key operation.

- Machine must have SpO₂, NIBP, ECG, Plethysmograph display with 48 hour trend display.
- Machine must be with rechargeable battery with 1-3 Hr battery backup.
- Machine must have SpO₂ range of 0-100% with accuracy of $\pm 2\%$.
- Machine must have pulse rate range of 25-250 BPM.
- Machine must be with automatic oscillometric NIBP.
- Machine must have NIBP display parameter as SYS/DIA/PR/Arterial pressure with pressure unit mmHg/kPa .
- Machine must have NIBP accuracy of $\pm 3-5\%$.
- Machine must have Auto/Manual/Stat NIBP mode facility.
- Machine must have NIBP cuff pressure range of 0-300mm Hg for Adult and child.
- Machine must be with ECG calibration of 1mv.
- Machine must have ECG lead selection facility.
- Machine must have facility of visual & beep alarm.
- Machine must have ECG heart rate range of 10-350 BPM.
- Machine must be with QRS Indicator.
- Machine must have protection against electrosurgical interference and defibrillation shock.
- Machine must be attachable to Central Nursing Station.
- The machine must be supplied with all the essential accessories eg Power cord, ECG Patient cable, NIBP cuff, SpO₂ sensor, AC adapter etc in 2 set & one carry bag Machine must be provided with wall mountable stand.

3. Central Nurse Monitoring System:

- The machine must be with continuous monitoring of chosen critical patients.
- Machine should have connectivity to single Para, two Para, three Para, and multi Para monitor.
- Machine should have facility for major data monitoring/ review facility and print facility.
- Machine must have freezing & zooming facility for particular patient.
- Machine should have multiple display facility.
- Machine should have facility for event marker.



- Machine should have facility for visual & audible alarm facility. Machine must be with Ethernet interface.
- Machine should have facility for data transmission via internet.
- Machine should have auto saving facility.
- Machine should have facility for print/ save/ & send in PDF format.
- Machine should have data monitoring facility for at least 12-16 beds which should be extendable in future if need arises.
- Machine must be with display monitor of atleast 21"Width.
- Machine must be with A4 size paper support along with printer.

4. Syringe Pump:

- Should be fully microprocessor controlled with self-test of all operating and alarm parameters.
- Should be light weight of less than 3 kgs with top loading facility.
- Should have color LCD display with user friendly knob operation.
- Should have LED indication for Drug Infusion.
- Should have automatic syringe identification of 10/20/30/50 ml of all major brands.
- Should have built-in drug library for 50 drugs and 1 user defined drug.
- Should have a volume range of 0.1 ml -999 ml.
- Should have a flow rate of up to 1200 ml/hr.
- Should have Bolus infusion facility of 150ml/hr – 800 ml/hr.
- Should have different types of infusion namely rate, continuous flow, intermittent infusion and volume & time controlled infusion.
- Should be mains and battery operated.
- Should have a battery backup of greater than 5 hours at 10 ml/hr.
- Should have audio and visual alarm indication for occlusion, end of infusion, battery low, AC power failure etc.
- Should have storage facility of all the setup parameters and data of last infusion.

5. Infusion Pump:

- Linear peristaltic infusion pumps for fluid administration.



- Operating features, and characteristics:
- Automatic control of infusion rate independent of venous or arterial pressure, solution container height, and solution viscosity.
- Automatic switchover to keep vein open (KVO) rate of 1.0 ml/hr (or previous rate, whichever is less).
- Flow Sensor: Detects a "no flow" situation i.e. empty container.
- Display: Numeric display which indicates flow rate and volume infused.
- **Parameters:**

Set infusion rate range: 0.1-999 ml/hr. in 1 ml/hr. increments.

Volume limits selection: From 0.1-9999 ml.

KVO RATE: 1 ml. /hr. or set rate whichever is lower.

- Accuracy : 5%
- capable to handle Standard Infusion Set **Alarms:** Visual and Audible
- Activated by Empty Container. Occlusion Low Battery Air-in-line detector, internal malfunction.
- Operating Requirement
- AC.220V / 50Hz
- Battery: Rechargeable batteries with 2 hours operation when fully charged.

6. Defibrillator:

- Display

Size: 8.4".

- Resolution: 800 x 600 pixels.
- Type: High resolution color TFT with LED backlight.

Trends.

- Memory: All parameters are stored for 24 hours.
- Format: tabular and graphical.

Battery



- Rechargeable, sealed lead acid battery (12V, 4.5 AH].
- Battery charging time: 10-12 hrs. for a completely discharged battery.
- Unit operating time on battery: 2-3 hrs. in monitoring mode. Mains & battery (%) charge indicator on display.
- Number of shocks on fully charged battery: > 100 @ 200 J. **Alarms**
- Graded alarms: Visual and acoustic.
- Alarm silence: 120 Seconds.
- Digital alarm volume control.
- System alarms: Monitor, defibrillator, battery charge.
- Physiological alarms: ECG.

Defibrillator

- Energy levels Paddles.-2, 4, 8, 15, 30, 50, 70, 90, 120, 150, 200.
- Waveform: Impedance compensated bi phasic .
- Charging time: Approx. 8 seconds for 200 J.
- Defibrillation mode. Non-synchronized, synchronized.

ECG

- Amplifier: Fully isolated, defibrillation - protected, > 5 kv Choice of leads. I, II, III, aVR, aVL, aVF, & V paddle ECG.
- Display trace: 4 sec single trace or 8 sec.
- Dual trace ECG display.
- HU display: 30-300 bpm.
- Digital gain selection 2 .5, 5, 10, 20 mm/mv ECG strip selection for storage & printing.
- Sampling frequency: 240 Hz.
- Inputs : CF class patient cable 5 leads.
- User selectable baseline.
- Freeze ECG.

7. ECG Machine 12 Channel:

- Should be a rugged, compact and portable model.

Should be light weight approximately 5 Kgs.

Capable of simultaneous recording of all 12 ECG channels.

Integral thermal quality printer with various user defined print format options **with** A4 Size paper.

Large clear **LCD** with a display size of 5” or more.

- Should have alphanumeric keyboard facility for easy data entry and pacemaker detection facility.
- Should have Automatic Measurements, Interpretation and average cycles with marking facility.
- Interpretation program including measurements for adult and pediatric. ECG measurements results (intervals, amplitudes, electrical axes) Average complexes with optional measurement reference markings.
- Should have automatic and manual printout of the recording.
- Built-in rechargeable battery with a backup 4 hrs normal use or 300 printouts on one battery charge.
- Leads: Standard.
- L2-channel display of the selected leads with option of selectable speed at 5 /10/ 25 / 50 mm/s mm/s & selectable sensitivity 5 /10 / 20 mm/mV, either automatically adjusted or manually selected.
- Should have a sampling frequency of 1000 samples/second/channel. Frequency range is 0.05 ... 150 Hz (IEC/AHA) CMRR(Common mode rejection ratio) is >100db.
- Should have an inbuilt memory of 40 ECG recordings.
- ECG transmission facility over an RS-232interface to PC.
- Must have Mains/Line filter and Myogram filter for noise removal.
- Should be Defibrillator and Cautery protected.
- Should have Date and Time display.
- Should have Lead off facility to indicate loosely connected leads.

- Recording track. 12-channel presentation, optimal positioning, automatic baseline Adjustment. Upgradeable to Spirometry.

8. Nebulizer:

- Ultrasonic energy for uniform and highly dense 1-5 microns.
- More than 96% of 0.3 micron or larger air borne dust particles is effectively shut out with the air filter to provide purified air for aerosol nebulization.
- Medication cup with replaceable diaphragm.
- Easily detachable fan cover and pneumoclean (Air filter).
- Made of highly resistant Sterilizable resin.
- Stand with solution bottle for safety.
- Nebulizing rate: 4 ml/min or greater.
- Mist particle size: approx. 1-5 microns. Nebulizing time setting: 1-30 min & continuous Medication cup capacity: 150 ml.

9. Transport Ventilator:

- Basic machine should be light weight, compact, suitable for adult and pediatric ventilation.
- The system should be able to monitor following parameters.
- Peak pressure, frequency, I/E ratio, Inspired TV, Expired TV, Airway Pressure Gauge Inspiratory flow, Expiratory flow, Minute volume, Fi O₂, Battery status.
- Ventilator should operate from AC and from internal battery as well. The internal battery should take over the ventilator at least up to 8 hrs. During power failure.
- It should have a combination mode of pressure and volume to guarantee a minimum tidal volume while ensuring the Pressure Ventilation within safe limits.
- It should also have inverse ratio ventilation is pressure control or assist pressure control ventilation.
- Ventilator should also have inbuilt Fi O₂ monitor.
- Should have reusable Flow Sensor.

The system should be quoted with reusable patient circuit. The Unit should have Alarms for following

Mains Failure, Battery depleted, High/Low Pressure

Leaks, High/Low Exp Volume, High/Low Fi O₂

Sensor Pressure, High Temperature and proximal Pressure.

10. Ventilator:

- Imported hinged arm holder for holding the circuit
- Colored TFT screen, 10 Inch or more
- Facility to measure and display(line deleted)
- Min 2 waves- Pressure and Time, Volume and Time and Flow and Time.
- Min 2 loops- P-V, F-V, P-F with facility of saving of min 2 Loops for reference.
- Graphic display to have automatic scaling facility for waves.
- Status indicator for Ventilator mode, Battery life, patient data, alarm settings, clock etc.
- Trending facility for minimum 48hours with minimum 5 minutes resolution for recent 24 hours automatic compliance & Leakage compensation for circuit and ET tube **Following: settings for all age groups.**
- Tidal Volume
- Pressure (ins)
- Pressure Ramp
- Respiratory Rate
- SIMV Respiratory Rate
- CPAP/PEEP
- Pressure support
- FIO₂
- Pause Time
- Pressure & Flow Trigger

Monitoring of the following parameters

- Airway Pressure (Peak & Mean)
- Tidal volume (Inspired & Expired)
- Minute volume (Inspired and Expired)
- Spontaneous Minute Volume
- Total Frequency
- FIO2 dynamic
- Intrinsic PEEP and PEEP i Volume
- Plateau Pressure
- Resistance & Compliance
- Use selector Alarms for all measured & monitored parameters
- **Modes of ventilation**
- Volume controlled
- Pressure Controlled
- Pressure Support
- SIMV (Pressure Control and volume control) with pressure support
- CPAP/PEEP
- Inverse Ratio Ventilation
- Advanced mode like pressure controlled volume guaranteed
- Non Invasive ventilation
- APRV or equivalent
- Apnea /backup ventilation
- Expiratory block should be autoclavable and no routine calibration required or with expiratory autoclavable filter .In case of filter, min10nb should be provided with the machine.
- **Should have the ability to calculate / Procedure**
- Intrinsic Peep & Intrinsic PEEP Volume

Occlusion Pressure

Spontaneous Breathing trial d. Facility to calculate lower and upper inflection point

Nebulizer with capability to deliver particle size of < 3 micron & to be used in both Off and On line Automatic patient detection facility preferable.

Power Requirements:

- Resettable overcurrent breaker shall be fitted for protection
- Availability of 5amp socket switch.

11. High Flow oxygen ventilator (HFOV):

- Flow setting: 10 to 60 L/min (in increment of 5 L/min) default
- 2 to 25 L/min (in increment of 1 L/min) Junior Mode
- Patient interference: Nasal cannula, tracheostomy interference, mask with standard 22 mm medical tapper.
- Dimensions: 296mm X 170mmX 175mm
- Weight: 2.5 KG
- Electric rating: 50-60 HZ & 220-240 Volt.
- Humidity Output: Compile with ISO 8185:2007 standards.

12. NIV Ventilator:

General

- Oxygen inlet pressure range 276 to 600 kPa (40 to 87 psig) Weight with optional battery 10.9 kg (24 lb)

Dimensions

- 33.7 cm H x 39.4 cm W x 42.9 cm D (13.3"H x 15.5" W x 16.5" D)

Patient types

- Suitability Pediatric (≥ 20 kg) and Adult

Electrical

- AC voltage: 100 to 240 VAC
- AC frequency: 50 to 60 Hz
- AC power: 300 V·A
- Battery operating: time 6 hours in normal conditions

Settings

- IPAP: 4 to 40 cm H O
- C-Flex: Off, 1 to 3
- CPAP: 4 to 25 cm H O
- Max P (PPV maximum pressure limit): 5 to 40 cm H O
- EPAP: 4 to 25 cm H O
- Max P (AVAPS maximum IPAP): 6 to 40 cm H O
- IPAP: 4 to 40 cm H O
- Inspiratory time: 0.30 to 3.00 sec
- Max P (AVAPS maximum IPAP): 6 to 40 cm H O
- Min P (AVAPS minimum IPAP): 5 to 30 cm H O
- Min P (AVAPS minimum IPAP): 5 to 30 cm H O
- Oxygen percentage: 21 to 100 %
- Ramp time: Off, 5 to 45 min
- Respiratory rate: 4 to 60 beats per minute
- Rise time: 1 to 5
- Triggering and cycling: Auto-adaptive (Auto-Trak) or Auto-Trak Plus (optional).

Trigger: normal, +1 to +7. Cycle: -2, -1, normal, +1 to +6

AVAPS target tidal volume: 200 to 2000 ml BTPS

Max E: 0 to 100 cm H₂O/l

Max E: 0 to 100 cm H O/l

Max R: 0 to 50 cm H O l/s

- Max R: 0 to 50 cm H₂O/l/s
- PPV%: 0 to 100 %
- Max P (PPV maximum pressure limit): 5 to 40 cm H O
- Max V (PPV maximum volume limit): 200 to 3500 ml
- Patient Data
- Breath phase/trigger indicator: Spontaneous, Timed, Exhale
- PIP: 0 to 50 cm H O
- PIP: 0 to 50 cm H O
- Patient/total leak: 0 to 200 l/min BTPS
- Patient Trigger: 0 to 100 %
- Respiratory Rate: 0 to 90 beats per minute
- Ti/Ttot: 0 to 91 %
- Minute volume: 0 to 99.0 l/min BTPS
- Tidal volume: 0 to 3000 ml BTPS
- Waveform window
- Pressure waveform: 0 - 50 cm H O
- Flow waveform: 240-2401 /min BTPS
- Volume waveform: 0 - 3,500 ml BTPS
- Alarm adjustable range
- Lo Rate (low respiratory rate alarm): 1 - 89 beats per minute
- Hi Rate (hi respiratory rate alarm): 5 - 90 beats per minute
- Hi Vr (high tidal volume alarm): 200 - 3,500 ml
- Lo Vr (low tidal volume alarm): OFF - 1,500 ml
- HIP (high inspiratory pressure alarm): 5 - 50 cm H O

- LIP (low inspiratory pressure alarm): OFF, 1 - 40 cm H₂O
- LIP T (low inspiratory pressure delay time): 5 - 60 sec
- Lo VE (low minute ventilation alarm): OFF, 0.1 - 991 /min

13. CR system:

- Digitizer (CR) system should have capacity to process more than 70 or more cassette/films per hour of 14 X 17" size.
 - Standard work station (Console) coupled with CR image storage capacity at least 2000 images specify the numbers. It should have a resolution of 5 pixels/mm (Minimum) for standard resolution cassette & up to 20 pixels/mm or more.
 - Separate DICOM workstation in ultra-modality with all processing facilities in a centralized reporting.
 - Other feature of CR system.
 - o Image post processing.
 - o Window leveling
 - o Annotation
 - o Area of interest Zoom
 - o Magnification
 - o Flipping & panning
 - o Automatic exposure correction
 - o Pre view software
 - o Edge enhancement stepwise
 - o Contrast/Brightness adjustment
 - o Shuttering / ROI Finder
 - o Application related software like Pediatric should be available.
- System should have software & hardware to perform full leg/Full spine.
- Long Body imaging/imaging stitching.
- o DICOM Print
 - o DICOM image output to network workstation.
 - o Grid Pattern removal software & noise compression processing.
 - o Gray Scale Reversal
 - o Rotation
 - o Image preview time 25 to 60 Sec. (For large image) System should be fully compliant with DICOM
 - § Automatic cassette identification through bar code reader.
- Laser Camera With At-Least Three Film Size On Line 14"X 17", 11"X 14"/ 10" X14", 10" X 12", & 8" X 10".
 - Contrast spatial / Reading resolution 10 pixel/ mm or more constant high resolution in all sizes.
 - True size printing should be possible from reader console Automatic exposure correction & facility for maneuvering reading sensitivity manually. Gamma curves for multiple object intensity processing.
 - Registration & cassette identification should be possible to be done before & after the exposure (Pre/Post registration).

- Specification for Laser Camera: mention spatial resolution higher level preferable minimum 500 DPI/PPI.
- Mention Gray Scale resolution : more than 12 bits preferable
- Mention Processing capacity/hour for (14" X 17") films, It should be more than 70 films /Hour
- Acceptable film size: 14"X 17", 11"X 14"/ 10" X 14", 10" X 12", & 8" X 10".
- Online film size : at least three film size
- DICOM compatible

14. Portable X-Ray machine:

- High frequency generator of 40 KHz or more.
- Radiographic KV: 40 to 110KV. Rad mA: 150mA or more Output power: 6.0 KW.
- mA s range: 1 to 200mAs
- **X-Ray tube head**
 - Monoblock version x-ray tube head with stationary anode single focuses x-ray tube.
 - The monoblock consists of tube, H.V. Transformer, filament transformer, H.V. rectifiers & capacitors, all immersed in high grade, high dielectric oil.
 - One no. Manual collimator should be provided, with auto off facility.
- **Tube Stand**
 - Portable Stand with 4-wheel design, which ensures easy mobility and steering. The spring balance stand should be very light in weight with tube arm.
 - It should be very easy to manoeuvre & allows smooth movements of Tube Head in vertical Plane.
 - Lead lined cassette storage box. Large wheels for easy mobility should be provided.
 - The stand is designed for maximum manoeuvrability of the unit and is able to achieve tube focus to floor distance of minimum 75 inch and tube focus to table top distance of minimum 46 inches (Standard Radiography Table).
 - The equipment should occupy minimum floor area & is capable to be taken through elevators with ease.
- **Control Panel**
 - KV increase & decrease switches.



- mA s increase & decrease switches
- Machine on/off switch.
- Collimator lamp 'on' switch.
- Standby & exposure switch.
- Self-diagnostic programmed with indicators for:-
- Earth fault error

KV error

Filament error

Tube head thermal error

- Stand by (Ready) & X-Ray On Indicator.
- Incoming Voltage Indicator. There should be provision for the machine to work from 190Volts Input supply to 250V input supply.
- Anatomical Programming Radiography (i.e. APR) should be provided in which KV and mA s is automatically selected depending upon the physique of the patient and part of the body to be xrayed.
- Anatomical Programming up to 200 programmers or more.
- There should be a provision that the control should get off, if no key is pressed for 10Min.
- A hand switch with dual action for exposure release with retractable cord is provided for radiation protection to the operator.
 - There should be cordless remote for exposure along with corded exposure switch

15. Weighing Machine:

- Table top Digital Weighing balance
- Precision – 10 Kg to 200 Kg
- Stainless steel Pan with Pan size at least 12 cm
- Along with Cabinet angle
- Front loading
- Large LED or LCD display
- Battery/ Adapter operated



- Low battery indication
- Rechargeable battery
- Auto Calibration facility with standard weight (At least 1 standard weight to be provided)
Plug should be compatible with Indian Switch.

16. Fluid Warmer:

- Flow Rates should be from KV 0 to 150ml/min.
- Should have temperature range of 36 to 42 degree Centigrade.
- Should be easily transportable.
- Should be able to attach to I V pole and standard electrical sockets.
- Should use dry heat technology.
- Should have audible and visual alarms for Temperature.
- Should have automatic cutoff for set temperature.
- Should be easy to use and to clean.
- Calibration certificate should be issued during the installation.
- Disposable adult and 1 no. of pediatric warming sets should be supplied along with each machine.
- Warm up time should be less than 60 seconds.

17. Patient Warmer

- Do not loft over patient.
- Perforated areas for access to patient.
- Air Distribution designed for optimal effectiveness.
- Ample dimensions accommodate all patients.
- Meet NFPA standards for patient safety.
- Adaptable to wide variety of procedures.
- HEPA Filter: 99.99% efficient @ 0.2 micron.
- Heater: 1200 watts, +/-5%.
- Motor: 1/25 HP, Single phase.

18. Dialysis Machine:

- Should have facility for conventional dialysis battery back-up for 20-30 minutes to run complete machine with heater supply



-
- Should Have Na, Bicarbonate And Uf Profiling
 - Dialysate temperatures selectable between 35°C to 39°C or wider
 - Variable conductivity setting between 12.5 to 15 ms/cm or wider
 - Should have variable dialysate flow at least 350-800 ml/min and should have increasing facility in steps
 - Should have facility to show trends curve of all parameter for 15-20 minutes
 - Heparin pump with adaptability of various sizes of syringes up to 30 ml with pump flow rate from 1-10ml/hr.(0.1 ml increments)
 - Ultra filtration 0.1 to 2.5 liters/hr. or more. The in and out fluid circuit must be separated so that there is no chance of contamination in the event of membrane rupture.
 - treatment parameter should be displayed by graph and digitally both
 - Should have integrated heat and chemical disinfection facility with both short and long disinfection
 - Programme with day, night and week schedule
 - Should have accurate feedback control conductivity mixing technique.
 - Should have drain facility.
 - Should have accurate uf control by flow by volume control measurement technique.
 - Should have blood volume sensor.
 - All important data should be pre-settled so that machine can be used anytime without feeding data every time
 - Should have automatic self-test facility
 - Should have auto ON/OFF Facility
 - Should have user friendly display system
 - Machine can be connected to computer to feed all data and trouble shoot whenever any problem
 - Blood pump rate at least from 50 – 600 ml/min or wider adaptable to standard A-V bloodlines
 - Alarm for reverse Ultra filtration and also be able to do sequential dialysis

- **Alarms**

- Audio visual alarms on limit violation of conductivity, blood leak, air leak, trans-membrane pressure,
- Dialysis temperature, Hemodialysis Completion, end of disinfection process, bypass and blood pump stop, dialysate empty.
- Operational Requirement
- Machine should have facility for variable Sodium, Acetate, Bicarbonate, Regulated Ultra
- Filtration, Sequential Dialysis (Isolated UF)
- Upgradable to future software developments and can be linked with Patient Data Management System
- The blood pump should be able to run at least from 50 to 600ml/min and adaptable to standard A-V blood lines and should run even in the absence of water or dialysis flow.

19. BIPAP/CPAP :

- Device Dimensions : 156mm x 248mm x 108mm, 313x194x112 mm(with InH2 TM heated humidifier).
- Weight: <2kg
- Mode of Operation: continuous
- AC Power Consumption: 100-240VAC, 50/60 Hz
- Pressure Range : 2 to 25 hPa (in 0.5hPa increments)
- Pressure Stability: 2 to 25 hPa (± 0.5 hPa)
- Sound Pressure Level: <30 dB
- Maximum Flow: >15 LPM
- Pressure Display Accy: ± 0.5 hPa

20. Adult/ Baby Forehead digital thermometer

IR meter for surface temp. measuring ,Non-contact temp. checker designed for 22~41.5 ,Easy, quick and hygienic solution for temperature check ,Fast response time: 500ms, High accuracy ± 0.3 c and good resolution 0.1, Temperature unit is factory default as . Temperature unit switchable function is available upon request , For 22~41.5 bath water, milk temp.

21. Mobile OT light

- Max. Light Intensity at 1m (lux) : 100,000

- No. of LED's :- 30 + 30 + 20
- LED's Life time :- >40,000 Hrs
- Dome diameter :- 550 mm to 600mm
- Colour Rendering Index (RA):- >96
- Colour temperature in kelvin :- 4900K
- Focus Adjustment :- Adjustable manually
- Control on dome:- Digital
- Light field diameter :- 150 or more
- Input Voltage :- AC 220 ~ 230V / 50-60 H

22. D.U S.S. Slop Sink S.S. Floor mounted

- MOC SS 304 with Minimum 1.5mm thick
- size :- 1200 x 550 x 900 + 150 mm LxWxH + Flashback
- SS Sink Size :- 400 x 400 x 250 mm LxWxDeep
- Conical sink Size :- 335 mm Ø x 340 mm Height along with Sprinkler across the circumference of the cone.
- 1 Complete SS Flush Tank
- Model-Floor mounted with 1 Rectangular Sink fitted with

Swan neck Tape Brand-Jaquar

- Open Three sides of the Sink Top should have 10mm raised edges with appx 45 Degree inclined inside to stop any spillage on the Floor
- Height Adjustable Bullets

IMPORTANT NOTE:

The specification shall be treated as minimum requirements .All above material must be of a well known and reputed brand, that satisfy above specifications

and as specified in relevant standards such as ISO 13485, ISO/BIS. etc.

Annexure – XIV- A

TECHNICAL SPECIFICATIONS OF MEDICAL FURNITURE

1. Drug Trolley (Small) - MS Framework with 2" Castors, without brake.

Top SS shelf approx. dimension: 360 mm L x 430 mm W. Other two MS shelves approx. dimension: 300 mm L x 430 mm W. Rubber padded SS handle. 4 castors 50mm diameter, without brake. Pretreated and powder coated.

2. Dressing Trolley - Stainless Steel (with Bowl and Bucket)

Stainless steel tubular frame work. Two SS shelves with three side railings on top shelf. Four heavy duty castors 100 mm diameter, two with brakes.

3. Crash Cart - SS Framework

Stainless steel tubular framework and SS shelves. Six removable plastic bins and two polystyrene lockable storage units with two drawers having containers of different sizes. 4 heavy duty castors 125mm diameter two with break. Complete with 4 corner buffers SS IV rod cardiac massage board.

4. ECG Machine Trolley - MS Framework:

SS Cable hanging rod and rubber padded SS handle. Four castors 50 mm dia, without brake .

5. Saline Stand - SS Framework (SS Rod with Two Hooks):

Stainless steel tubular framework. Five pronged tubular base. Five castors 50 mm dia, without brake. Stainless steel rod with two hooks.

6. Stretcher on Trolley (MS Framework & SS Stretcher Top) supplied with Swing away type railing with stainless steel tubes (pair), IV rod with two hooks - SS, MS Tray, and Oxygen cylinder holder (MS):

Strong mild steel tubular construction. Removable SS stretcher top supported on tubular frame. Supplied with swing away type railing with stainless steel tubes (pair), IV rod with two hooks - SS, MS Tray, and Oxygen cylinder holder (MS). Four heavy duty castors 150 mm diameter, two with brake . Pretreated and powder coated finish.

7. Linen Serving Trolley - SS Framework:

Stainless steel tubular construction. Four heavy duty castors 125 mm dia, two with brake. Complete with three SS trays for fresh linen, SS handle and one bag of synthetic material for used linen.

8. Soiled Linen Trolley - SS Framework (With Closed Linen Bag):

Stainless steel tubular framework. Three heavy duty castors 100 mm dia, without brake. Supplied with one bag of synthetic material, Provided with zip to Closed from top.

9. Bedside Locker (SS Top) :

Locker cabinet and drawer made from mild steel CRCA sheet . Stainless steel top with raised edge on three sides. Cabinet door with magnetic latch. Mounted on four castors 50 mm dia, without brake. Pretreated and powder coated finish.

10. Over bed Table - Plain Membrane Top (Height on Geared Handle):

Overall approx. dimension: 910 mm L x 470 mm W. Top approx. dimension: 790 mm L x 380 mm W . Strong construction made from mild steel CRCA sheets and tubes. Height adjustment with handle: 780 mm to 1040 mm (approx.) Plain membrane top with raised edge on four sides . Mounted on four castors 50 mm dia, without brake. Pretreated and powder coated finish. Supplied in KDC.

11. Oxygen Cylinder Trolley (Push Type) :

Mild steel tubular framework. Two heavy duty castors 100 mm dia, without brake. Pretreated and powder coated finish.

12. Pillow covered with rexine (For Examination Couch)

13. Drug Trolley (Big) - MS Framework :

Rubber padded SS handle, Four castors 100 mm dia, two with brake. Pretreated and powder coated finish

14. Mayo's Trolley Single Bar - Stainless Steel:

Stainless steel tubular framework. Four castors 50 mm dia, without brake. Supplied in SKD condition

15. Electric ICU Bed (5 function)

Bed, Electric, Five Function. Standard Features: ICU Bed (Five function) with electrically operated back rest tilting 0-70 , knee rest tilting 0-35°, trendelenburg tilting 0- 12°, Reverse trendelenburg tilting 0-12° Size: L 2160mm × W 970mm × H 520-920mm (Adjustable Height). Four section 100 mm thick PU foam mattress covered with rexine.

16. Semi Motorized height adjustable for HDU Bed

Four section perforated CRCA sheet top. Backrest and height adjustments electrically operated on Dual function motors with user friendly handset and manual override by removable handle. Upper- leg and trendelenburg & reverse trendelenburg adjustments manually operated on separate handles. Removable polymer molded head & foot boards, Four corner buffers, Urine bag holder and Four 125 mm dia castors, two with brake. Pretreated and powder coated finish. SUPPLIED WITH:

- * Polymer railings with degree indicator (Indian) - set of four (Symmetrical Pair)
- * Heavy duty Telescopic infusion pump Pole with two hooks – SS
- * Four section PU foam mattress covered with rexine

17. Over bed Table - Plain Stainless steel Top (Height on Geared handle) :

Construction made from mild steel CRCA sheets and tubes. Height adjustment with handle. Plain stainless steel top with raised edge on three sides. Mounted on four castors 50 mm dia, without brake. Pretreated and powder coated finish . Supplied in KDC.

18. Folding Wheel Chair With Safety Belt

Fixed height foldable wheelchair, with detachable armrest with cushion, adjustable and detachable footrest, Anti-bacterial fabric, adjustable and foldable footplate, larger rear wheel (24 inch), with safety belt.

19. Emergency Hydraulic Trolley

Emergency STRETCHER TROLLEY, Steel structure with epoxy coating, Adjustable height by hydraulic pump, Two sections, Adjustable backrest by gas piston 70 , Retractable side rails, IV support adjustable in height, Load capacity 225Kg, Synthetic and fireproof M2 upholstered in leather, high density 25Kg/m³, 125mm rolling wheels two of them with brakes, Dimensions: 210x66x60-98cm.

20. Instrument trolley

- S.S. Instrument Trolley, but with 1067mm (42") L X 609mm (24") W X 914mm (36") H. with Two S.S. Shelves, with 125 mm Dia Synthetic body Castors Two with brake.
- Instrument Trolley Fully S.S. with 914mm L (36") X 508mm (20") X914 mm (36") Height with Two S.S. Shelves, with 125 mm Dia Synthetic body Castors Two with brake.

IMPORTANT NOTE:

The specification shall be treated as minimum requirements .All above material must be of a well known and reputed brand, that satisfy above specifications.

Annexure-XV

Form of Contract Agreement

THIS CONTRACT AGREEMENT is made

This day of month..... year.....

BETWEEN

(1) Name and Address of the Purchaser:

(2) Name and Address of the Supplier:

WHEREAS the Purchaser invited bids for certain goods and ancillary services, viz., [insert: brief description of goods and services] and has accepted a bid by the Supplier for the supply of those goods and services in the sum of [insert: contract price in words and figures] (hereinafter called “the Contract Price”)

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meaning as are respectively assigned to them in the Condition of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and constructed as an integral part of the Contract:
 - (a) This Contract Agreement
 - (b) Special Conditions of Contract
 - (c) General Conditions of Contract
 - (d) Technical Requirements (including Technical Specifications)
 - (e) The Supplier’s bid and original Price Schedules

- (f) The Purchaser's Notification of Award
- (g) [Add here: any other documents]

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

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

For and on behalf of the Purchaser

Signed: _____

In the capacity of [insert: title or other appropriate designation]

In the presence of _____

For and on behalf of the supplier

Signed: _____

In the capacity of [insert: title or other appropriate designation]

In the presence of _____