Dear Sir,

1. I/We hereby submit our tender for the

2. I/WE now enclosing herewith the Bank Guarantee/D.D. No............................................................
dated ....................for Rs.1,00,000 drawn in favour of the “AIIMS, JPNA Trauma Center A/c”
towards EMD/Bid Security. (TENDERS NOT ACCOMPANIED WITH EMD/BID SECURITY
ALONGWITH THE TECHNO-COMMERCIAL BID SHALL BE SUMMARILY REJECTED).

3. I/We hereby agree to all the terms and conditions, stipulated by the AIIMS, in this connection including
delivery, warranty, penalty etc. Quotations for each group are being submitted under separate
covers, and sheets shall be considered on their face value.

4. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.

5. Tenders are duly signed (No thumb impression should be affixed).

6. I/We undertake to sign the contract/agreement, if required, within 15 (Fifteen days) from the date of issue
of the letter of acceptance, failing which our/my security money deposited may be forfeited and
our/my name may be removed from the list of suppliers at the AIIMS New Delhi-29.

7. I/We have gone through all terms and conditions of the tender documents before submitting the
same.

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES ETC. HAS BEEN INDICATED IN THE QUOTATIONS FAILING
WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES AND
OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully,

Signature of

Tender(s) full Address.
SPECIFICATIONS ULATRASONIC CLEANERS 40 Litres

Qty reqd-01

The Ultrasonic cleaning system for cleaning variety of reusable surgical and medical items, hollows and cannulated instruments, rigid accessories as endoscopes, aspiration tubing, reamers, accessories for urologic and gynaecologic exams, etc. with the following features are required:
1) Construction: External AISI 304 stainless steel and Internal AISI 304 or AISI 316Ti (20/10)
2) Tank capacity: usable volume of approximately 40 liters. Should allows fitting of instruments up to 600 mm of length.
3) It should have a large stainless steel basket with 6 rubber outlets, to connect tubing of any diameter and plastic stands to hold the instruments.
4) Should have minimum eight ultrasonic transducers with operating frequency from 28-34 KHz placed underneath the tank for an optimum spread of ultrasonic across the whole tank volume, for an effective cleaning of all the instruments in short times.
5) Should have minimum eight washing programs, each selectable by a pushbutton, that can be used to wash cannulated instruments and non-cannulated instruments at the same time.
6) Should have Pause facility for washing programs.
7) Should provide for Water load, water drain and water level operations.
8) RS232 printer output with Printer to keep record of performed washing cycles.
9) Should have alarm and safety features for water level control, cover closure control, water temperature control, sensor failure control.
10) Cleaning programs parameters should be adjustable as per following::
   a) Time : from 1 to 99 minutes
   b) Heating: from 20 deg C to 50 deg C
   c) Water flow: off, linear, pulsed, mixed
   d) Time parameters according to the selected type of flow
11) Automatic water drain after selected number of cycles (from 1 to 99) or function excluded.
12) The control panel should have the following::
   a) LCD alphanumeric display 4 rows x 20 columns
   b) 16 keys control keyboard
   c) Water level (min, max, over) and cover closure light indicators
13) Should be able to work on 230V/50 Hz Electric Power Supply
14) Should be provided with transparent Lid/cover.
15) The product should be CE Certified or FDA/BIS approved and the manufacturer should have ISO certification for quality standards.

SPECIFICATIONS ULATRASONIC CLEANERS 80 Litres

Qty reqd-01

The Ultrasonic cleaning system for cleaning variety of reusable surgical and medical items, hollows and cannulated instruments, rigid accessories as endoscopes, aspiration tubing, reamers, accessories for urologic and gynaecologic exams, etc. with the following features are required:
1) Construction: External AISI 304 stainless steel and Internal AISI 304 or AISI 316Ti (20/10)
2) Tank capacity: Usable volume of minimum 80 liters. Should allows fitting of instruments up to 600 mm of length.
3) It should have a large stainless steel basket to hold the instruments.
4) Should have minimum twenty ultrasonic transducers working on 40 KHz(+-5%) placed underneath the tank for an optimum spread of ultrasonic across the whole tank volume, for a effective cleaning of all the instruments in short times

5) Sweep function for better spread of ultrasonic frequencies.

6) Should have minimum eight washing programs, each selectable by a pushbutton, that can be used to wash canulated instruments and non canulated instruments at the same time.

7) Should have a jet program function to start quickly and easily cleaning cycle.

8) Should have Degas/Autodegas function to effectively carry out the effective degassing.

9) Should have alarm and safety features for water level control, cover closure control, water temperature control, sensor failure control.

10) Cleaning programs parameters should be adjustable as per following: a) Time t: from 1 to 99 minutes
    b) Heating: upto 70 deg C

11) Drain facility

12) The control panel should have the LED/LCD Display for time and temperature settings and buttons for programme selection, display of running program.

13) Should be able to work on 230V/50 Hz Electric Power Supply

14) Should be provided with a Lid/cover.

15) The product should be CE Certified or FDA/BIS approved and the manufacturer should have ISO certification for quality standards.

SPECIFICATIONS WASHING STATION FULL SIZE DOUBLE SINK
(Should be FDA approved/CE Mark/BIS Approved product)

Qty regd-01
The washing station should comprise of the following:
1. Material: Stainless Steel 18/10; 1.4301, Sink as well as drain and storage board. 2. Sink- Dual Sink. Each sink with a bowl size of app 60cm X 50cm X 30cm 3. Drain board on the right.
4. Storage board on the right.
5. Overall Size app: 260cm X 70cm
6. Outlet tube

SPECIFICATIONS Reverse Osmosis Plant 2000 litres per day capacity
(Should be FDA approved/CE Mark/BIS Approved components)

1. Capacity 2000 litres per day (assume 8 continuous working hours per day).
2. Stainless steel skid mounts for pre treatments and RO unit
3. Stainless Steel Pumps with electronic pump control system
4. Direct bypass valve and autoflush systems. 5. Thin film composite membrane or equivalent. 6. Dry run protection of pump 7. Auto flush timer
8. Automatic tank level control
SPECIFICATIONS FOR Height Adjustable Transport Trolleys for CSSD
(Should be FDA approved/CE Mark/BIS Approved product) (Basket transfer Trolley)

Qty reqd: 05

1. Designed for the loading and unloading of goods which have to or have been sterilised into an autoclave.
2. Height adjustable transport trolley which can be adjusted to every steriliser.
3. Should be made up of Stainless steel 304, (chrome nickel steel 18/10 1.4301)
4. The height adjustment takes place by two pushbuttons which are connected to a flexible curled wire so unwanted disconnection’s while working does not take place.
5. Should work with a re-chargeable battery which has to be charged once or twice a week by heavy use. Charging adaptor should be provided.
6. The battery should have a replacement life of at least 5 years.
7. Easy to transport due to the large antistatic castors which have a diameter of 125mm including two brakes which should prevent the trolley to glide away. 8. Dimensions app: 1500 X 900 X 1000mm

SPECIFICATIONS of Theatre Supply Storage and distribution Cart
(Should be FDA approved/CE Mark/BIS Approved product)

Qty regd-01

1. Dimensions app: 600 X 560 X 950mm 2. Swing out baskets at front - 6 nos. 3. Baskets at rear- 2 nos. 4. Laminated T Edge top shelf 5. Rail 3 sides to top shelf 6. 100mm castors- 2 with brake

SPECIFICATIONS Linen Distribution Trolley
(Should be FDA approved/CE Mark/BIS Approved product)

Qty reqd-01

1. Dimensions app: 1500 x 600 x 1200mm with three adjustable shelves plus base.
2. Sturdy steel frame and shelves aluminium clad, with inset push handles fitted at both ends, PVC bumper bar and name tags
3. Safety folds to all edges
4. Push handle at both ends
5. 125mm castors

SPECIFICATIONS FOR Packing and Control Table for CSSD
Qty reqd:-01
(Should be FDA approved/CE Mark/BIS Approved product)

The unit will comprise of the following:
A. Height Adjustable Table with the following specifications.
   1. Height adjustable worktables operated by two buttons: one adjusting the tabletop to a higher position and the other lowering it, thus providing an adjustable and variable tabletop height.
2. Two stainless steel base columns of app 1000 x 700mm electrically operated. 3. Height adjustable from app 800 -1000mm
4. Materials used on worktable tops
5. Should be made up of Stainless steel 304; (chrome nickel steel 18/10 1.4301) app 32mm thick
6. Tabletop dimensions- app 1000 x 2000mm
7. Should have Upright partition to store all kinds of products like packaging material, PC monitor, tapedispensers etc
8. Storage drawers- 04
9. Cabinet with shelves- 04 Shelves in total
10. Storage compartments.
11. Swivel Arm for PC Monitor etc
12. Power supply Socket and two additional 15/5 A Sockets.
13. Should operate on 220-240V AC Mains

B. Attachments:
1. Roll Holder with Cutting Device as per the following specifications:
   - Roll holder material - Should be made up of Stainless steel 304; (chrome nickel steel 18/10 1.4301)
   - Self-sharpening cutting knife made from hardened steel
   - Two steel rods with nylon bearings
   - Reel dispenser with storage capacity of 1800mm with an overall dimensions of app 1120 x 420x 420mm

SPECIFICATIONS FOR Height Adjustable Work Table for CSSD
(Should be FDA approved/CE Mark/BIS Approved product) Qty read: 01

1. Height adjustable worktables operated by two buttons: one adjusting the tabletop to a higher position and the other lowering it, thus providing an adjustable and variable tabletop height. 2. Two stainless steel base columns of app 100x700mm electrically operated. 3. Height adjustable from app 800-1000mm
4. Materials used on worktable tops
5. Should be made up of Stainless steel 304; (chrome nickel steel 18/10 1.4301) app 32mm thick
6. Tabletop dimensions-app. 1000x2000mm
7. Should operate on 220-240V AC Mains

SPECIFICATIONS FOR BASKETS for CSSD
(Should be FDA approved/CE Mark/BIS Approved product)

1. Should be made up of Stainless steel 304; (chrome nickel steel 18/10
2. Electrolitically polished
3. Foldable grips
4. Double upper wire
5. Stackable
6. Nestable
7. Wire thickness 0 4 and 5mm
The dimensions are as given below:
1. Sterilization Basket-(mm) 575 x 280 x 260 -qty-05
2. Sterilization Basket-(mm) 280 x 280 x 130 -qty-05
3. Sterilization Basket-(mm) 280 x 280 x 260 -qty-05

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SPECIFICATIONS FOR Instrument Trays for CSSD
(Should be FDA approved/CE Mark/BIS Approved product)

1. Should be made up of Stainless steel 304; (chrome nickel steel 18/10 1.4301) 2.
Electrolitically polished
3. Collapsible / foldable grips
4. Stackable
5. Wire thickness 1 and 5mm
6. Mess 3x3mm
7. Deep drawn (Endless bottom wires)
8. With Lockable Lid including lock with wire thickness 0 1.2 and 5mm and Mesh 6x6mm with
Spot welded wires.

Dimensions and quantity:
1. Instrument Tray with Lid: 460x32Ox60mm -qty-05
2. Instrument Tray with Lid: 230x32Ox60mm -qty-05

SPECIFICATIONS FOR Closed Instrument Tray for CSSD
(Should be FDA approved/CE Mark/BIS Approved product)

1. Should be made up of Stainless steel 304; (chrome nickel steel 18/10 1.4301)
2. Electrolitically polished
3. Integrated hinged lid with clip lock
4. Wire thickness 0 0, 4, 2.5 and 5mm
5. fine Mesh 1.12x1.12mm

Dimensions and quantity
1. Instrument Tray with hinged Lid: 100x100x50mm -qty 05
2. Instrument Tray with hinged Lid: 150x100x50mm -qty 05
3. Instrument Tray with hinged Lid: 150x150x50mm -qty 05
4. Instrument Tray with hinged Lid: 200x100x50mm -qty 05
5. Instrument Tray with hinged Lid: 200x150x50mm -qty 05

SPECIFICATIONS FOR RACKS for CSSD
(Should be FDA approved/CE Mark/BIS Approved product)

1. Should be made up of Stainless steel 304; (chrome nickel steel 18/10 1.4301) 2.
Electrolitically polished

Dimensions and descriptions and quantity:
1. Washing rack for suction tubes (20 suction tubes to be accommodated) Washing rack;
   optics, ambu, hoses, scopes, cannula, instruments, blades, needles, syringes, etc.- qty 02
   2. Washing Rack for anaesthesia equipments including support for 20 anaesthesia tubes.- qty
   02
3. Washing Rack for rigid scopes- .20 scopes to be supported - qty 01 4.
   Shoe rack.- qty 05
5. Kidney bowl rack to hold minimum 5 kidney bowls. -qty 05
SPECIFICATIONS FOR Mobile Trolleys with Auto Loading & Unloading
(Should be FDA approved/CE Mark/BIS Approved product)

Qty reqd- 01

1. Free bearing rollers should be provided on top side of the trolley.
2. The roller at Operator's end should be getting a drive through gear motor placed on the bottom frame of the trolley.
3. Same roller pattern should be installed inside the sterilizer also.
4. The roller drive assembly on trolley should run on 230 V AC Mains external electrical supply. 5. On start, it either Pushes or pulls out the load from the sterilizer.
6. The complete roller assembly is self lubricated thereby avoiding the problem of contamination due to Lubrication
7. The rollers can be removed easily & sterilized.
8. The rollers should be made up of Stainless steel tubular section or pharmaceutical grade polymer having resistance to wear & tear
9. Dimensions should be compatible with commonly used autoclaves. 10. Should operate on 220-240V AC Mains

SPECIFICATIONS SEALING MACHINE: PLAIN SEALER
(Should be FDA approved/CE Mark/BIS Approved product)

Qty reqd- 01

The sealing machine is required for the sealing of surgical instruments in paper envelopes with the following specifications:

1. Smooth easy cleaning surfaces
2. Ergonomic handling with anti fatigue movement 3. Should have automatic sealing indicator
4. Quick sealing time with sealing width of 12mm
5. Should be microprocessor controlled and with constant temperature 6. Should be provided with roll stand
7. It should be a table top system
8. Should work on 230V, 50 Hz electric power supply.
9. Compact system with app 50cm x 20cm x 40cm (+/- 2cm)

SPECIFICATIONS SEALING MACHINE: ROTARY SEALER
(Should be FDA approved/CE Mark/BIS Approved product)

Qty reqd- 01

1. Equipped with sensors for monitoring the temperature, force and feeding speed during sealing of the packaging materials to determine the quality of sealing.
2. Controlled and operated through a menu by means of the built-in LCD-display and alphanumeric keyboard
3. Built-in printer which prints on the packaging material during sealing. Should print packing date, expiry date, additional codes, texts and barcodes.
4. Capable of being integrated into an existing logistic management system by its communication ports for PC, barcode reader and external printer
5. Should produce a flat seal suitable for Tyvek material as well as laminated pouches and paper pouches.
7. Should be a Microprocessor controlled system.
8. Four expiry times can be pre-set
9. Easy to operate without having to consult the manual
10. Should be equipped with Electronic Automatic Start System
11. Should have Return Assistance System to prevent pouches that have been misfed from being sealed

SPECIFICATIONS FOR Closed Transport Trolleys for CSSD
(Should be FDA approved/CE Mark/BIS Approved product)

Qty reqd: 05
1. Designed for the transportation of dirty instrument from the operation theatre to the CSSD without the risk of causing contamination or for the transport to the operation theatre from the CSSD. The trolley should have closed cabinet with shelves and doors.
   There should be two shelves
2. Equipped with a pushing bar
3. The doors of the trolley should be lockable to prevent unauthorized people to open the trolley and cause any cross-contamination.
4. Doors should be equipped with a long lasting seal to make the trolley airtight.
5. Easy to transport due to the large antistatic castors which have a diameter of 0 125mm including two brakes which should prevent the trolley to glide away. 6. Should be made up of stainless steel 304; (chrome nickel steel 18/10 1.4301)
   Dimensions app: 900x490x900mm
Tender should be addressed to the Chief, JPNATC Trauma Center, All India Institute of Medical Sciences, Raj Nagar, New Delhi-29 and submitted to the Office of the Stores Officer, (TC) under sealed cover failing which the tender shall be rejected. Terms and conditions for supply should invariably be indicated otherwise would be taken on its face value. The rates may be quoted on separate sheets failing which the tender(s) will be rejected.

Mixed quotations will not be considered for acceptance.

IN CASE OF THE TENDER DOCUMENTS DOWNLOADED FROM THE WEBSITE:


TENDER SHOULD BE SUBMITTED IN TWO BID SYSTEM CONTAINING TWO PARTS AS DETAILED BELOW:

PART-I : TECH NO-COMMERCIAL BID IN ONE SEALED COVER.

PART-II: PRICE BID/FINANCIAL BID IN ONE SEALED COVER.

BOTH THE SEALED ENVELOPES SHOULD THEN BE PUT IN ONE OUTERCOVER INDICATING THEREON:

i) Reference No. of the Tender ____________________________

ii) Tender regarding ____________________________

iii) Due date for submission of the tender : ____________________________

iv) Due date for opening of the tender ____________________________

v) Name of the firm ____________________________

PLEASE NOTE THAT PRICES SHOULD NOT BE INDICATED IN THE TECHNO COMMERCIAL BID. THE PRE-QUALIFICATION DOCUMENTS INCLUDING E.M.D./BID SECURITY AS REQUIRED IN THE TENDER DOCUMENT SHOULD INvariable BE ACCOMPANIED WITH THE TECHNO COMMERCIAL BID.

NOTE:-TENDERS SUBMITTED WITHOUT FOLLOWING TWO BID SYSTEM PROCEDURE AS MENTIONED ABOVE WILL BE SUMMARILY REJECTED.
5. The tenderers should give rates, showing taxes, if any, and levies, packing forwarding and insurance charges separately giving full breakup details. THE JPNA(TC) INSTITUTE IS NOT AUTHORIZED TO ISSUE ‘C/D FORMS’. PLEASE EXCLUDE EXCISE DUTY/CUSTOM DUTY COMPONENT IN RUPEE QUOTE AS THE INSTITUTE IS EXEMPTED FROM THE PAYMENT OF EXCISE DUTY/CUSTOMS DUTY. Tender not confirming to these requirements shall be rejected and no correspondence will be entertained whatsoever.

6. IN CASE OF IMPORT THE TENDERERS ARE REQUIRED TO QUOTE FOB & CIF VALUE SEPARATELY DULY MENTIONING THE BREAKUP DETAILS FOR FREIGHT & INSURANCE. THIS CONDITION SHOULD BE STRICTLY ADHERED TO, FAILING WHICH THEIR TENDER WILL BE SUMMARILY REJECTED.

7. THIS TENDER DOCUMENT IS NON-TRANSFERABLE.

8. The Tender forms be clearly filled in ink legibly or type written giving full address of the tenderers. The tenderers should quote in figures as well as in words the rates amount tendered by him/them. Any discrepancy between the figures and words, the amount written in words will prevail. Alterations/over-writings, unless legibly attested by the tenderer, shall disqualify the tenders. The tenders should be signed by the tenderer himself/themselves or his/their authorized agent on his/their behalf (Authorization may be enclosed, if applicable).

9. THE FORWARDING LETTER/UNDERTAKEN (SCHEDULE'A') DULY SIGNED SHOULD INVARIABLY BE RETURNED ALONG WITH QUOTATIONS FURNISHED, FAILING WHICH THE TENDER SHALL BE REJECTED.

10. The tenderers should take care that the rates and amounts are written in such a way that interpolation is not possible, no blanks should be left which would otherwise, make the tender redundant.

11. The tender rates should be kept open/valid for a period of one year from the date the tenders are opened

12. The tenderers shall clarify/state whether he/they are manufacturer, accredited agent or sole representative indicating principals name & address. The offers of firms who are not manufacturer or direct authorized agent will be summarily rejected. Subdistributors will not be accepted.

13. ONLY THOSE VENDORS SHALL BE CONSIDERED WHO CAN OFFER THE COMPLETE LIST OF EQUIPMENTS COMPREHENSIVELY AS A PACKAGE DEAL AND THE SELECTED VENDOR SHOULD HAVE TO CO-ORDINATE WITH ENGINEERING SERVICES DEPARTMENT OF JPNA TRAUMA CENTER WHO SHALL BE RESPONSIBLE FOR TURN-KEY SITE PREPARATION.

14. Delivery prospects with definite date of delivery at destination taking into cognizance transit facilities must be indicated.
15. EACH TENDER SHOULD BE ACCOMPANIED WITH AN EMD/BID SECURITY AMOUNTING TO Rs. 1,00,000/- BY WAY OF DEMAND DRAFT/ BANK GUARANTEE DRAWN IN FAVOUR OF "AIIMS JPNA Trauma Center A/C", NEW DELHI", (PREFERABLY BANK GUARANTEE) FAILING WHICH THE TENDER SHALL NOT BE CONSIDERED FOR ACCEPTANCE AND WILL BE OUTRIGHTLY REJECTED. IN CASE OF BANK GUARANTEE, IT SHALL BE VALID FOR ONE YEAR FROM THE DATE OF OPENING AND THE SAME SHOULD BE FROM ANY SCHEDULED BANK (AS PER THE LIST ENCLOSED). CASH/CHEQUE/FDR IS NOT ACCEPTABLE AT ALL. THE EMD/BID SECURITY DEPOSITED AGAINST OTHER TENDERS CANNOT BE ADJUSTED OR CONSIDERED FOR THIS TENDER. NO INTEREST IS PAYABLE ON EMD/BID SECURITY.

16. If the delivery is not effected on due date, the Chief, JPNA TC, AIIMS, N. Delhi will have the right to impose penalty as under:
   A) First extension for one month or part thereof ____________________________
   B) Second extension for an additional month __________________________ @ 3% or part thereof.

17. In case of non-supply of Stores within the due date i.e. within the date of delivery, the Chief, JPNA(TC), AIIMS, New Delhi will have the right to impose penalty, as deemed fit, to resort to risk purchase in full or part thereof at his/her discretion, his/her decision shall be final and binding.

18. SOFTWARE AND HARDWARE UPGRADE
   Free up-gradation of software (all update & upgrades) up to 5 years.

19. Rates quoted should be valid for 12 months from the date of opening of tender

20. THE TENDERERS ARE REQUIRED TO DEMONSTRATE THE QUOTED MODEL OF THE EQUIPMENT DURING THE TECHNICAL EVALUATION, IF REQUIRED, FAILING WHICH THEIR BIDS/OFFER SHALL BE REJECTED.

21. Any other statutory levy imposed by the Govt. of India from time to time will be authorized extra on demand with adequate proof thereof.

22. Force meajure will be accepted on adequate proof thereof.

23. The Chief, JPNA(TC), AIIMS New Delhi shall be the final authority to reject full or any part of the supply which is not confirming to the specification and other terms and conditions.

24. No payment shall be made for rejected Stores. Rejected items must be removed by the tenderers within two weeks of the date of rejection at their own cost and replace immediately. In case these are not removed these will be auctioned at the risk and responsibility of the suppliers without any further notice.

25. The Chief, JPNA(TC), AIIMS, reserves the right to cancel/reject full or any part of the tender which do not fulfill the conditions stipulated in the tender.

26. Tenderers submitting tenders would be considered to have considered and accepted all the terms and conditions. No enquiries, verbal or written, shall be entertained in respect of acceptance or rejection of the tender.

27. The quantity shown in the tender can be increased or decreased to any extent depending upon the actual requirement.
Check list for Terms and Conditions (To be filled by the bidder and submitted alongwith the technical bid)

1. Certificate for being in business for more than 2 years
2. Certificate for sole ownership/partnership _____________________________________
3. Statement of financial standing from bankers __________________________________
4. Performance report/List of organization supplied with the same equipment
   __________________________________________________________
5. Rates quoted included all taxes/Rate is a CIF
6. Rates quoted as per tenders specifications ____________________________________
7. Authority letter from manufacture/principal enclosed __________________________
8. Affidavited that the firm has not been black listed in the past by any hospital___________
   _________________________________________________________________________
9. Affidavited that the firm has no vigilance case/CBI case pending against him/supplier
10. Affidavit that the firm is not supplying the same item at the lower rate quoted in the
tender to any Govt. organization or any other Institute (Fall clause) _________________
   _________________________________________________________________________
11. Quotation being submitted directly by the manufacturer or authorized distributor
12. Quality assurance certificate like ISI, ISO-9002, IP/BP or any other, please specify
13. Statement of turnover/annual report for each of the last three years attached
14. Bid Security amount enclosed deposited ______________________________________
15. Literature of original catalogue of the product attached for reference
   _________________________________________________________________________
16. Guarantee/Warranty period for

   (NAME OF THE BIDDER)
   WITH SIGNATURE & SEAL
28. Any action on the part of the tenderer to influence anybody in the said Center/Institute, will be taken as an offence, he will not be allowed to participate in the tender enquiry and their offer will not be considered.

29. Material confirming to the specifications should be quoted. In case of alternative offers, full specifications and utility should be indicated. Leaflets, literatures, should invariably be attached for ready reference clearly marking the item No.

30. Genuine equipments and instruments etc., should be supplied. Tenderers should indicate the source of supply i.e. name & address of the manufacturers from whom the items are to be imported.

31. The tenderers are required to quote the mode of shipment by Air/Sea/ Airport Parcel and should give separate breakup of freight and Insurance Charges.

32. Supply of equipment means-Installation and Commissioning at site. No separate charges will be paid separately on this account.

33. **UP TIME GUARANTEE:**

   The firm should provide uptime guarantee of 95%.

34. **Downtime penalty Clause**

   34.1 During the Guarantee/warranty period, desired uptime of 95% of 365 days (24 hrs) if downtime exceeds 5%, the Institute shall be entitled to impose penalty equal to amount of 0.05% of the total cost of equipment per day for the first seven days shall be payable by the vendor which will doubled on subsequent weeks along with extension of warranty period by the excess down time period. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least Five years after handing over the unit to the Institute. If accessories/other attachment of the system are procured from the third party, then the vendor must produce cost of accessory/other attachment and the AMC from the third party separately along with the main offer and the third party will have to sign the AMC with the Institute if required.

   34.2 Provision of expert and technician to train the technician and staff in handling all the equipment until the smooth functioning of the facility.

35. **GUARANTEE/WARRANTY PERIOD:**

   THE TENDERERS MUST OFFER THE WARRANTY OF 5 YEARS COMPREHENSIVE WITH SPARES FOR ALL EQUIPMENTS FROM THE DATE OF COMPLETION OF THE SATISFACTORY INSTALLATION, FAILING WHICH THEIR OFFER SHALL BE REJECTED.

36. **DELIVERY:**

   The successful bidders should strictly adhere to the following delivery schedule Supply, Installation & Commissioning should be effected within 6 to 8 weeks from the date of Supply Order and this clause should be strictly adhere to failing which necessary administrative action as deemed fit under rules will be taken against the defaulter.

37. **SPARE PARTS:**

   The separate price list of all spares and accessories (Including minor) required for maintenance and repairs in future after guarantee/warranty period must be attached/enclosed along with the sealed quotation without this quotation will not be considered. If any spares & accessories other than the price list attached/enclosed by the firm are required for future repair it will be borne by the firm only.
38. The tenderers are required to furnish the list of spares along with their cost in the Financial bid failing which their bids are liable to be rejected

39. The tenderer shall furnish a non-blacklisting certificate that the firm has not been blacklisted in the past by any government/Private institution. The tenderer/supplier has to give an affidavit on non-judicial stamp paper of Rs.10/- that there is no vigilance/CBI case pending against the firm/supplier and the firm has not been blacklisted in the past by any Govt. or Private Organization.

40. Payment of Agency Commission, if any, payable in rupees must be indicated. If no Agency Commission is admissible from the foreign suppliers must be indicated specifically.

41. Tenderers should clearly indicate the name of the Manufacturers/Beneficiary of the Letter of Credit, country of Origin, place of shipment/Airfreightment etc.

42. Local agents quoting on behalf of their foreign suppliers must attach authority letter in their favour.

43. SUCCESSFUL TENDERERS WILL HAVE TO FURNISH PERFORMANCE BANK GUARANTEE FOR 10% CONTRACT VALUE FROM ANY SCHEDULED BANK (AS PER THE LIST ENCLOSED) VALID FOR THE WARRANTY PERIOD. BEFORE ESTABLISHING L/C.

44. The rates quoted for the Stores/Equipments, under the reference, by the supplier shall in no event exceed the lowest price at which the suppliers of the Stores/Equipments of identical description are made to any other person/organization/Institution during the period and should attach an undertaking.

FALL CLAUSE

45. If, at any time, during the said period, the supplier reduce the said prices of such Stores/Equipment or sales such stores to any other person/organization/Institution at a price lower than the chargeable, he shall forthwith notify such reduction or sale to the Chief, JPNA (TC), All India Institute of Medical Sciences and the price payable for the Stores supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

46. Successful tenderers, should give pre-alert intimation prior to shipment notifying both the nominated clearing agents as well as the Institute.

47. The supplier shall furnish the following certificate to the Accounts Officer (TC) alongwith each bill for payment for supplies made against in Rate Contract Tender.

"I/We certify that the Stores of description identical to the Stores supplied to the government under the contract against Tender herein have not been offered/sold by me/us to any other person/organization/Institution upto date of bill/the date of completion of supplies against all supply orders placed during the currency of the tender/rate contract at the price lower than the institute under contract /against tender".

48. The supplier shall furnish a list of organizations where the equipment, in question, has/have been supplied with the period during the last one year.
50. a) **PAYMENT TERMS (IN CASE OF IMPORTS)**

1) Agency Commission will be paid to Indian agents in Indian Rupees, after satisfactory installation of equipment.

2) Letter of Credit will be opened on FOB/CIF value, as the case may be, for full amount after deducting the Agency commission/Technical Service Charges.

3) 100% payment shall be released against presentation of shipping documents against a performance Bank Guarantee valid for the warranty period for 10% value from any Scheduled Bank (as per the list enclosed). Otherwise 90% payment will be released against presentation of shipping documents & balance 10% payment will be released after installation against Bank Guarantee.

b) **PAYMENT TERMS (IN CASE OF RUPEE OFFER)**

100% PAYMENT WILL BE MADE AFTER SUPPLY, installation & satisfactory demonstration of the said equipment subject to submission of Performance Bank Guarantee for 10% value of the order valid for the comprehensive warranty period of 5 years from any Scheduled Bank (as per list enclosed). OTHERWISE 90% PAYMENT WILL BE RELEASED AFTER INSTALLATION & BALANCE 10% PAYMENT WILL BE RELEASED AFTER WARRANTY PERIOD OR AGAINST BANK GUARANTEE FOR THE WARRANTY PERIOD.

C) Payment shall be made through cheque or Electronic Clearing System. In case of cheque, the same will be dispatched through Registered Post and postal charges shall be deducted from the bill.
### Section XV

#### List of Scheduled Banks

**A Nationalized Banks**

<table>
<thead>
<tr>
<th>No.</th>
<th>Bank Name</th>
<th>State/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Allahabad Bank</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Pudhia Bank</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Bank of Baroda</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Bank of India</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Bank of Maharashtra</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Central Bank of India</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Canara Bank</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Corporation Bank</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Dena Bank</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Indian Bank</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Indian Overseas Bank</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Syndicate Bank of India</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Central Bank of Canada</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Punjab National Bank</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Punjab &amp; Sind Bank</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Wicato Bank</td>
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<tr>
<td>17</td>
<td>Lhion Bank</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>LMBank</td>
<td></td>
</tr>
</tbody>
</table>

**B. State Bank of India and its Associated Banks**

<table>
<thead>
<tr>
<th>No.</th>
<th>Bank Name</th>
<th>State/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Lhited Bank of India</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Vijaya Bank</td>
<td></td>
</tr>
</tbody>
</table>

**C Private Sector Banks**

<table>
<thead>
<tr>
<th>No.</th>
<th>Bank Name</th>
<th>State/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>Bank of Mhdura Ltd., Mhdurai</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Bank of Rajasthan Ltd., Laiapen</td>
<td></td>
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<tr>
<td>31</td>
<td>Bharat Overseas Bank Ltd., Madras</td>
<td></td>
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<tr>
<td>32</td>
<td>Chtholic Syrian Bank Ltd., Tridit</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Dianalakshini Bank Ltd., Phv-aye</td>
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</tr>
</tbody>
</table>

**D. Foreign Banks**

<table>
<thead>
<tr>
<th>No.</th>
<th>Bank Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>P8N Pm’o Bank NV</td>
<td></td>
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<tr>
<td>53</td>
<td>Prerican Eqxess Bank Ltd.</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>Bank of Prerican Notional Trust</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>Banque Nationale de Paris</td>
<td></td>
</tr>
</tbody>
</table>

**E Non-Scheduled Banks**

<table>
<thead>
<tr>
<th>No.</th>
<th>Bank Name</th>
<th>State/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>59</td>
<td>Qti Bank NA</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>Bank of Tokyo Ltd.</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>British Bank of the Mck e Cast</td>
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<tr>
<td>58</td>
<td>Standard C-atered bank</td>
<td></td>
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<tr>
<td>59</td>
<td>P8ZGindlays Bank Ltd.</td>
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<tr>
<td>60</td>
<td>The Sbkura Bank Ltd.</td>
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<tr>
<td>61</td>
<td>Sonali Bank</td>
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<tr>
<td>62</td>
<td>Eutsdia bank AG</td>
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<tr>
<td>63</td>
<td>Bank of Oman Ltd.</td>
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<tr>
<td>64</td>
<td>Abu Died Cbrrer cial Bank Ltd.</td>
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<tr>
<td>65</td>
<td>Banque Indosuez</td>
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<tr>
<td>66</td>
<td>Bank of Nova Sootia, Toronto</td>
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<tr>
<td>67</td>
<td>Sodate (feral, Paris</td>
<td></td>
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<tr>
<td>68</td>
<td>011 International Bank, SAGO</td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>Bank of Baharain and K melt (BSC)</td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>Firstkong &amp; Shanghai Corporation Ltd.</td>
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<td>3swifit</td>
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<tr>
<td>73</td>
<td>Randays Bank Pfr</td>
<td></td>
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<tr>
<td>74</td>
<td>Eai a Bank, Tokyo</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Bank Name</td>
<td>City</td>
</tr>
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</tr>
<tr>
<td>36</td>
<td>.brrru &amp; Kashir Bank Ltd., Slinagar</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>Federal Bank Ltd., Aways</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>Kamataka Bank Ltd., Mb-galore</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>Karur Vysya Bank Ltd.,</td>
<td></td>
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<tr>
<td>75</td>
<td>Kashi NEth Seth Bank Ltd.</td>
<td></td>
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<tr>
<td>76</td>
<td>Pal Fbab Bank Ltd.</td>
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</tr>
<tr>
<td>77</td>
<td>General Bank of KurucMad Ltd.</td>
<td></td>
</tr>
</tbody>
</table>

The list of banks is subject to change as and Wren Fbsaw Bank of India notifies any charge in the list.
Annexure- I

The specifications of CSSD Equipment including autoclave as a package deal.

Note No.1 : Only those vendors who offers the entire range of equipment comprehensively as a package deal will be considered.

Note No. 2: The vendors should offer under both the options

Option-I being the outright purchase and

Option-II being Built Operate lease and transfer (BOLT) basis for five years. That Option-II Should include building of infrastructure of CSSD for which the venders are required to visit the site before submitting their offers. The area of the proposed site for CSSD is 450.0 sqm. The RCC framed structure is already existing.

Note: The vendors are required to give their financial bid for both the options in two separate sealed covers duly super scribing in their respective outer envelopes that "option I- Outright purchase" and "Option II BOLT basis" failing which their offers will be summarily rejected.

Note 3: The firm should give compliance report to all specification point wise and state as to how firm substantiate this compliance in document from i.e. brochure, operating manual or any other document for the quoted model. Against each specification, please mention relevant page no of the document, which substantiates the claim of compliance. In the document, relevant part should be highlight. All documents referred to should be attached in original/attested copies, numbered and relevant portion highlighted. If documents (supporting specifications) are not submitted, no further correspondence will be made and the bid will be rejected.
SPECIFICATIONS FOR THE PURCHASE OF AUTOMATIC STEAM STERILISER - 3 Nos.

1. Rectangular, horizontal, double door, high pressure, high vacuum fully automatic and microprocessor based autoclave for sterilizing hospital materials.

2. Double, Jacket Autoclave with latest Product Specific Quality Certification- IS 1/1 international. Electrically operated in built compatible electric steam generator with the unit. **Technical Parameters:**

4. Temperature adjustable from 121°C to 134°C
5. Working pressure range from 15 to 32 psi
6. Sterilization cycles: The autoclave residence time should not be less than 60 minutes if the autoclave operates at the working temperature (inner chamber) of 121°C at a pressure of 15 pounds per square inch (psi) and should be adjustable as per standards at different temperature and pressure.
7. Capacity: Sterilization capacity should be 30-36 cu ft/cycle.
8. Autoclave should be properly equipped with door safety locks, steam traps, pressure gauges and safety valves for chamber and jacket.
9. Autoclave should have insulation jacket with glass wool, covered with aluminum foil.
10. The unit should have integral alarms that ring, flash, or otherwise display information when temperature set-points are exceeded or fall below.
11. Pressure safety valve, over-temperature limiter, anti-scorch limiter, door (lid) interlock, overpressure limiter, current fuse.
12. The unit includes a data logger or chart recorder for monitoring operational history.
13. Integral controls, keypad, and/or display on the panel of the unit. The control panel must document all cycle information including key transition points in the cycle, alarms and deviations that may jeopardize the sterilization process, resulting in inadequate sterilization.
14. The Sterilizer should be supported on a steel stand, appropriately, coated for corrosion protection.
15. Boiler 36 KW (Certified by competent authority in case required), fitted with appropriate safety features and having protective cover should be provided.
16. Electric vacuum pump of appropriate power should be provided.
17. Carriage trolley with at least three SS trays and roller shelves.
18. The firm should provide all piping connections made up of SS required in the installation and should install the machine at the identified site in Trauma Centre.
19. Comprehensive warranty along with spares for first 5 years followed by rates for comprehensive maintenance contract (CIVIC) from 6 to 10 th years.
"MULTI" SPRAY GUN RINSER

OPERATION:
The spray gun rinser shall be used for cleaning of pipettes, catheters, cannulas, syringes etc.
The spray gun is connected to dematerialized water and pressurized air.
A special rack shall be provided for fitting the different cleaning tips.
The water/air pressure shall be released, regulated and fully controlled by the spray gun trigger.

CLEANING TIP:
Special purpose tip is provided for the cleaning of:
- Syringes and cannulas.
- Measuring and blood pipettes.
- Drainage tubing.
- Instruments.
- Bottles and flasks

BUBBLE POWER® ULTRASONIC CLEANING

Capacity Liters
The "BUBBLE POWER" series of ultrasonic cleaning machines from Mehshu Bio-Techno Services guarantees perfect cleaning of all delicate instruments used in Hospitals. The "Single Tank" Ultrasonic Cleaning machine has only an Ultrasonic chamber. All models can be optionally fitted with a "Rocker Arrangement" for more effective cleaning.

CONSTRUCTION
The tank is fabricated from stainless steel (S. S. 304) are provided with a lid. The lid is fitted with a safety interlock to prevent starting of the system unless the lid is shut.

The tank is enclosed in a stainless steel (S. S. 304) cabinet. A splash guard is provided at the rear.

TECHNICAL SPECIFICATION
- Electric Supply: 230 V/AC/50 Hz/3Phase
- Tank Size: 15" x 13" x 10" (L x B x H)
- Tank Capacity: 30 Lits.
- Equipment Outer Size: 22" x 17" x 30" (L x B x H)
- Fabrication: S. S. 304
- Transducer: PZT sandwich type with wellbond technique
- Frequency: 30 + 3 KHZ
- Drain: Drain Valve is provided at rear side of tank.
CONTROL SYSTEM
User friendly & ergonomically designed controls ensure automatic operation of the system.
• Fully automatic water filing.
• Auto shut-down.

DRYING CABINET

Chamber Volume : 800-1000 Liters approximately.
OPERATION : Automatic

CONSTRUCTION:

The equipment consists of mild steel frame work supporting the outer cover and inner chamber.
The inner chamber is fabricated from stainless steel the outer chamber from epoxy painted CRCA sheets. All inside edge are curved and all joints are welded and ground flush.

DOOR:

The drying cabinet is provided with a quick lock door of S. S. 304 from inside along with heat resistant gasket.

AIR CIRCULATION:

The chamber design allows uniform air circulation. The air is circulated by a stainless steel impeller powered by a 3 phase TEFC motor.

EXHAUST:

An Exhaust is provided at the top of the unit. The exhaust opens to ensure complete removal of moisture.

HEATING SYSTEM (120°C):

S. S. sheated "U Type" heaters (6 k.w.) are provided.

SHELF:

2 No's. equispaced S. S. 304 shelves are provided.

INSULATION

The drying cabinet chamber shall be insulated with 50 mm. thick resin bonded glass wool.

CONTROL SYSTEM

The user friendly control panel comprises of:
• Temperature Indicator Controller for setting the drying Temperature.
• Timer for setting drying time.
• "START" Push button.
• Indication Bulb.
POWER REQUIREMENT

415 V / 50 Hz / 0.5 HP / 6 KW / 3 Phase Ac Supply.

TROLLEY WASH SYSTEMS

CONSTRUCTION: Wall mounted type unit.

- The trolley wash system will have a spray gun for manual wash, including hot and cold water mixing unit for any desired proportions.
- Automatic steam "Shut off" system provided in case of cold water supply fails, for operator safety.
- The water steam flow and pressure is controllable and specially provided lever press for effective and effortless cleaning.

The unit has a rugged stainless steel construction with its simple operations makes it an essential equipment for wash down operations.
- The unit is complete in itself with built-in hose rack, control valves, check valve, water saver nozzle etc.
- The unit equipped with dial thermometer, which indicates the temperature of wash water. The user can adjust the temperature of hot water for each operation as per need.
- The unit comes with 15 - mts. High pressure water tube.

ADVANTAGES:

- A water saver nozzle does a better job with the least amount of water.
- For effective cleaning different nozzle jet streams are provided.
- Swivel screws into the handle enable the operator to rotate the nozzle in any direction.
- Advance Neoprene rubber guard is designed for long period usage of high temperature water but keeping the gun holding cool.
- Low maintenance since uncomplicated mechanism.
- No expensive hot water system needed,
- Easy installation and low cost.

TABLE TROLLEYS WITH SHELVES

SIZE: 1080 x 550 x 800 mm

APPLICATION:

The trolley shall be used in the sterile zone when holding sterile goods for delivery and also for short internal transport. The trolley will also be suitable for use as a temporary storage
of utility space at packing tables.
COMPONENTS

A) TABLE TOP
The table top of the trolley is fabricated out of S. S. 304 quality and ground and polished to a dull mirror finish. The table top is duly re-inforced against bending and treated for sound deadening.

B) UNDERSHELF
The trolley under shelf fabricated out of S.S. 304 quality with beaded edge all duly buffed and polished and should be mounted at 300 mm above floor level.

C) CASTORS
The frame shall be mounted on 4 nos heavy swiveling castors for easy movement in narrow passages.

WASHING STATIONS

SIZE : 1800 x 650 x 900

COMPONENTS

BENCH TOP
The bench top of the preparation and packing table is fabricated out of S. S. 304 quality and ground and polished to a dull mirror finish. The table top is duly re-inforced against being and treated for sound deadening.

FRAME
The bench top shall be fixed on a S. S. square tube frame. The frame shall be provided with leveling lugs for suitable adjustment of height upto +1- 25 mm.

FITTINGS
The unit shall be provided with the following fittings:
Separate hot and cold faucet above each sink.
Demineralized water inlet for connecting to the spray gun rinser.
Drainage and overflow connections on the sink unit with manual drain valve.

SPLASH GUARD
A 150 mm. high stainless steel splash gaurd is provided at the rear of the unit.

CONTROL AND PACKING TABLE

MODEL SIZE
CPT-L 1800 x 1400 x 1400 mm

COMPONENTS

A) BENCH TOP
The table top of the Control and Packing table is fabricated out of S. S. 304 quality and ground and polished to a dull mirror finish. The table top is duly re-inforced against bending and treated for sound deadening.

B) STORAGE SHELF
Two storage shelves fabricated from S. S. 304 quality stainless steel are mounted on the table top.

C) FRAME
The table top shall be fixed on a S. S. square tube frame. The frame is provided with leveling lugs for suitable adjustment of height upto +1- 25 mm.
S. S. STORAGE RACK

(Floor Mounted)

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRF - L</td>
<td>1750 (W) x 450 (D) x 1800 (H) mm</td>
</tr>
</tbody>
</table>

FRAME WORK:
The stand is fabricated from stainless steel S. S. 304 quality hollow square sections.
The rack is designed for mounting on the wall.

SHELF: (5 No’s.)
The shelf is fabricated from S. S. 304 sheet. This 16 SWG sheet is bend downwards 15 mm on the front and rear side. It shall be provided with leveling lugs.

All welding is argon arc and all weld joints are polished to a smooth finish.

SPECIFICATIONS DRYING CABINET

Qty regd-01
Drying cabinet is designed suitable for drying surgical instruments, anaesthetic hoses & equipment, as well as other reusable items used in patient health care is required with the following specifications:

1. Chamber volume approximately 600 litres-1000 litres
2. Sound and heat insulated double walls of the should cabinet made of AIS304 stainless steel.
3. Single left hinged door.
4. There should be a microprocessor controlled panel. The system should provide three programs with varying duration with upto five program stations. Should provide for temperature adjustment up to +90 deg C and time regulation 1-99 mins or continuous. The panel should have Integrated digital thermometer and phase indicators and program start switch with autometer end after particular fixes time by operator and CD displayed.
5. Power supply- Should operate on three phase supply 400v, 3N, 16A
6. Heating effect should be greater than 5 KW
7. Air discharge volume should be more than 25 Litres per minute.
8. System should be complete with high quality air filter, ventilation connection sleeve,
9. Should be vertical system and should occupy not more than 1 sq. meter of floor space. Should have adjustable feet for uneven surfaces.
10. Rails to support upto eight wire shelves.
11. Accessories: The following accessories should be supplied with the system: a) 5 removable wire shelves.
b) Holder shelf for app 30 long anesthesia hoses
c) 2 hose cassettes for 6+6 hoses
12. Price for additional wire shelf for future should be made acailable. 13. Please mention the pre installation requirements.
14. The system should be CE Marked or FDA approved and the manufacturer should have ISO Certifications for quality standard.