



**SANJAY GANDHI POST GRADUATE INSTITUTE OF
MEDICAL SCIENCES LUCKNOW-226014.**
PHONES: 2668004-8,2668700,2668800,2668900
FAX: 91-522-2668973,2668218(JDMM)

TENDER NOTICE

Sealed offers are invited from manufacture /Authorised Distributors certificate/having ISO certificates based on technical companies preferably having experience for the procurement,Installation,Training and managing OT Pendant,CSSD equipment like Vaccum steam sterilizer and Kitchen Cafteria and Pantries.Last date of receipt of tender is at 4.00 PM on 02-03-2010.Detailed information & tender form may be downloaded from our website www.sgpgi.ac.in..

Advertisement No. 105 /09-10

DIRECTOR



**SANJAY GANDHI POST GRADUATE INSTITUTE OF MEDICAL
SCIENCES RAEBARELI ROAD, LUCKNOW-226014.**

PHONES:2668004-8,2668700,2668800,2668900
FAX: 91-522-2668973,2668734(JDMM)

Sealed offers are invited from reputed manufacturer/ Authorised distributor HAVING ISO certificates based on technical companies for supply of the following equipments, as per tender conditions as stipulated in the tender documents.

S/no.	Tender No.	Name of Equipment	Earnest Money	Last Date of Submission	Date of Opening
1	PGI/MM/PMSSY/OT Pendant/09-10	OT Pendant for PMSSY Block - 06 No,s	10,000.00	22-03-2010	23-03-2010
2.	PGI/MM/PMSSY/CSSD-Et/09-10	CSSD Eqpt. Like Vaccum sterilizer qty-3 etc in huge qty	15,000.00	22-03-2010	23-03-2010
3.	PGI/MM/PMSSY/Kitchen-Et/09-10	Eqpt for Kitchen,Cafteria & Pantries like Litchen Utility trolley etc in huge qty	15,000.00	22-03-2010	23-03-2010
4.	PGI/MM/Kitchenware/09-10	Eqpt like Storage drum and kitchenware in huge qty	15,000.00	22-03-2010	23-03-2010

Non-transferable tender documents can be downloaded from our website www.sgpgi.ac.in. Tender documents duly filled in will be received by speed post/Registered post/courier only in the RSD Cell, 3rd Floor, Administrative Block of the Institute. The Tender number and the name of item must be superscribed on the top of the envelop. The Tender fee for Rs. 300.00 (Non refundable) through Bank draft (nationalized bank only) along with Earnest Money (refundable) in the shape of Demand Draft ,FDR (commercialized bank only) payable at Lucknow in favour of the Director, SGPGIMS, Lucknow. as indicated against tender may be enclosed separately with tender documents. Bids will be opened in the presence of representative of the bidders. If any working day is observed as holiday the next working day will be treated as last date. In case of any legal dispute the legal jurisdiction shall be the Court of Law at Lucknow.

Director reserves the right to accept or reject any tenders in part or full without assigning any reason thereof . The institute will not be responsible for any postal delay.

Advertisement No. 105 /09-10

Director

**SANJAY GANDHI POST GRADUATE INSTITUTE OF MEDICAL SCIENCES,
RAEBARELY ROAD, LUCKNOW – 226 014**

TENDER DOCUMENTS

GENERAL TERMS & CONDITIONS FOR NOTICE INVITING

The following terms & conditions should be compiled with while submitting tender :

1. **Tender** should be submitted to the RSD Cell Located at 3rd Floor of the Administrative Building, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Raebareli Road, Lucknow 226014, INDIA. Under the sealed cover failing which the tender shall be disqualified.
2. **The** tender terms and conditions be clearly typed or legible written giving the full name and address of the tenderers. The tenderers should quote in figures as well as in words the rates and amount tendered by him/them . Alteration, if any unless legible attested by the tenderers, with their full signature, shall invalidate the tender. The tender should be signed by the tenderers himself/themselves or him/their authorized agent on his/their behalf. In case the tender is signed by the agent the authority letter in his favour shall be enclosed with tender documents.
3. **Sealed** Tenders should be submitted in two-bid system (in two identical copies) consisting earnest money, technical offer & price bid. In case of equipments tender the Earnest Money and Technical Bid shall be submitted in first part while price bid be submitted in second part, both separately sealed.
4. **The** tenderers should take care that the rates and amounts are written in such a way that interpolation is not possible. No blank space should be left, which would otherwise make the tender liable for rejection.
5. **Delivery** schedule with definite date of delivery at destination taking into cognizance of transit facilities must be indicated. This contractual delivery date/period should be inclusive of all the lead-time.
6. **The** tenderers should clearly state whether he/they are manufacturer, accredited agents, or sole representative (indicating their name of Principal) on the top of the Bid.
7. **The** tenderers submitting his/their tender would be deemed to have considered and accepted all the terms and conditions. No Equiries, verbal or written, shall be entertained in respect of acceptance or rejection of the tender.
8. **The** quantity shown in the Schedule may be increase or decrease on any extent depending upon the actual requirement.
9. **The** tenderer shall specify after sales services facilities within the Guarantee/Warranty period. The warranty period will be extended for the period of the Instruments remain out of order during warranty period.
10. **The** tenderer shall also confirm the Installation, Commissioning, Demonstration and Training to the concerned of this Institute.
11. **The** tenderer shall submit the pre-requisite information like Civil works/Electrical details etc. within 2 weeks from the date of receipt of order or establishment of letter of credit as the case may be.
12. **The** Institute reserves the right to cancel/reject in full or any part of the tender which generally do not fulfill the conditions stipulated in the tender without assigning any reason.
13. **Any** action on the part of the tender to influence any body of the Institute will make his/their tender liable to rejection.
14. **The** tenderers shall submit the offer with in original copy of the tender documents duly signed on each page. Item-wise rates indicating units can be offered on letter head of the firm.
15. **In** the case of placement of Purchase Order, the vendor (the tenderers whose tender is accepted) shall have to confirm the purchase order within 7 days from the date of the dispatch of purchase order otherwise it will be deemed that offer is acceptable to the firm. Notwithstanding any other provision, the terms & conditions and any other items given in the Purchase order will be treated as binding with “ Errors & omission Expected” basis. However, if the supplier notices any mistake in the contentions of the order, he they must bring the same to the notice of the Institute and seek clarifications. Supplier will be to bear the responsibility for failure to take this action.

16. **The** Institute may in writing make any revision or change in the purchase order including additions or deletions from the quantities originally ordered in the specifications or drawings. If any such revisions/changes affect the price or delivery, the same shall be subject to the adjustment of price/delivery, where required on a reasonable basis by mutual agreement in writing which should be communicated.
17. **The** tenderer shall also furnish performance bank guarantee of **15%** of the order value or (FOB) value at the time of shipment or supply of goods and this will be relapsed after the successful completion of warranty period.
18. **The** Institute reserves the right to cancel the purchase order or any part thereof and shall be entitled to revise the contract wholly or in part by a written notice to the vendor, if –
 - **The** Vendor fails to comply with the terms of the purchase order including specifications and other technical requirement.
 - **The** vendor becomes bankrupt or goes into liquidation.
 - **The** vendor fails to deliver the goods in time and or does not replace the rejected goods promptly.
 - **A** receiver is appointed for any of the property owned by the vendor.
19. **Upon** receipt of the said cancellation notice, the vendor shall discontinue all works of the purchase order and matters connected with it.
20. **Earnest** Money be paid in shape of D/D, TDR, FDR, drawn in favour of the Director, Sanjay Gandhi Postgraduate Institute of Medical Sciences and payable a Lucknow (U.P.), India as per mentioned in the tender notification.
21. **Unless** otherwise specified in the order, the order price shall remain firm and will not be subject to escalation of any description during the pendency of the order, notwithstanding the change in the cost of materials, labour and/or variations in taxes, duties and other levies on raw materials and components may take place while the order is under execution even if the execution of the order is delayed beyond the completion date specified in the order for any reason whatsoever.
22. **For** indigenous goods the price should be on F.O.R. SGPGIMS basis inclusive of all levies and duties wherever applicable which should be indicated clearly. The rates of sales tax should be clearly indicated wherever chargeable. The SGPGIMS is not eligible to issue 'C' or 'D' Form, however the concessional rate of Central Sales Tax admissible to Research Institutions on purchase of Scientific Instruments/Equipments etc. from certain States like Maharashtra, Delhi, West Bengal etc. is applicable to this Institute.
23. **Prices** will be quoted on F.O.B. as well as estimated CIF New Delhi basis for imported goods, Indian Agency commission/rebate payable to Indian Agent, if any, shall be shown separately and that will be payable in equivalent rupee directly to Indian Agent as per declaration furnished by foreign suppliers. The Institute reserves the right to get their goods air – freighted/Sea freighted & air insured/marine insured up to site.
24. **The** offer of the tenders shall remain valid for a period of **180 days** from the date of opening of the tender.
25. **All** goods or materials shall be supplied by the tenderers whose tender is accepted, strictly in accordance with the specifications, drawings, data sheets, other attachments and conditions stated . Any alterations of those conditions shall not be made without the consent of the Institute in writing which must be obtained before any work against the order is commenced. All material furnished by the seller pursuant to this order (irrespective of whether engineering, design data or other information has been furnished, reviewed or approved by the Institute) will be guaranteed to the best quality of their respective kind (unless otherwise specifically authorized in writing by the Institute) and shall be free from faulty design (to the extend such design is not furnished to the Institute) workmanship and materials, and to be of sufficient size and capacity and of proper materials so as to fulfill in all respects with all operating conditions, if any, specified in this order.
26. **The** Equipment supplied shall carry a warranty of **60 months** from the date of satisfactory Installation and commissioning of the equipment. If any trouble or defect originating with the design, materials, workmanship or operating characteristics of any materials arise at any time from the date of Installation, the same shall promptly as possible make such alteration, repairs and replacement as soon as notified thereof, the seller shall at his own expenses and as

- promptly as may be necessary to permit the materials function in accordance with the specification and to fulfill the foregoing guarantee/warranty.
27. **The** Institute may at his option, remove such defective materials at the seller's expense in which event the seller shall, without any cost of the SGPGIMS and as promptly as possible, furnish and install proper materials, repaired or replaced materials shall be similarly guaranteed for a period of not less 30(thirty) months from the date of shipment.
 28. **In** the event that the materials supplied do not meet the specifications and are not in accordance with the drawings, data sheets or the terms of this order, rectification is required at site, the SGPGIMS shall notify to the seller giving full details of differences. The seller shall attend the site, within seven days of receipt of such notice to meet an agree with representative of the SGPGIMS the action required to correct the deficiency.
 29. **If** the seller fails to attend meeting at site within the time prescribed above, the SGPGIMS shall immediately get the same rectified the work/materials and seller shall reimburse the Institute all costs and expenses incurred by the SGPGIMS in removing such trouble or defect.
100% payments shall be released within 30 days from the date of satisfactory receipt of materials or satisfactory installation if applicable. Where necessary performance bank guarantee @ **15%** of the ordered value or FOB value shall be submitted to the Institute before arranging the delivery till expiry of warranty period.
 30. **In** the event that the materials supplied do not meet the specifications and are not in accordance with the drawings, data sheets or the terms of this order, rectification is required at site, the SGPGIMS shall notify to the seller giving full details of differences. The seller shall attend the site, within seven days of receipt of such notice to meet an agree with representative of the SGPGIMS the action required to correct the deficiency.
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 32. **If** the seller fails to attend meeting at site within the time prescribed above, the SGPGIMS shall immediately get the same rectified the work/materials and seller shall reimburse the Institute all costs and expenses incurred by the SGPGIMS in removing such trouble or defect.
 33. **100%** payments shall be released within **30 days** from the date of satisfactory receipt of materials or satisfactory installation if applicable. Where necessary performance bank guarantee @ **15%** of the ordered value or FOB value shall be submitted to the Institute before arranging the delivery till expiry of warranty period. In case of imported goods/equipment, the payment schedule will be as follows :
A - 75% against shipment
B - 25% against installation
 34. **The** mode of payment will be through irrevocable letter of credit. However, Indian Agency Commission or Technical Services charges would be paid in Indian rupee after satisfactory receipt & installation of goods at site. Indian Agency Commission will be declared in the price/bid.
 35. Time delivery as mentioned in Purchase order shall be the essence of the order and no variation shall be permitted except with prior authorization in writing from Purchaser.
 36. **In** the event of delay in making delivery on the part of the vendor, it will be at purchaser's discretion to receive delivery with a reduction in price of the article/or equipment.
 37. **Forced** majeure shall mean and be limited to the following :
Any war/hostilities
Any riot or civil Communication
Any earthquake, flood, tempest, lightning or other natural physical disaster
Any strike, or lock-out (only those exceeding ten continues day in duration) affecting the performance of the seller's obligations.
The seller shall advise the SGPGIMS by registered letter duly certified by Local Chamber of Commerce of Statuary authorities the beginning and end of the above causes of delay within7 (seven) days of occurrence and cessation of such Forced Majeure conditions, in the event of delay lasting over one month, if arising our causes of Force Majeure, the SGPGIMS the right to cancel the order and the provisions governing termination state under articles shall apply.

For delays arising out of Forced Majeure, the seller shall not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure and neither the. SGPGIMS nor the seller shall be liable to pay extra costs provided it is Mutually established that Force Majeure conditions did actually exist.

The seller shall categorically specify the extent of Force Majeure conditions prevalent in his works (such as power restriction etc.) at the time of submitting the bid and whether the same have taken into consideration or not in the quotations.

In the event of delay delivery and/or unsatisfactory manufacturing progress and supply, the SGPGIMS has the right to cancel the purchase order as whole or in part without liability of cancellation charges.

In the event of rejection of non-confirming goods the vendor shall be allowed, without any extension of delivery time to correct the non-conformities, should however the vendor fail to do so within stipulated time, the SGPGIMS may cancel the order.

38. **No** payment shall be made for rejected material nor would the tenderer be entitled to claim for such items.

39. **Rejected** items would be removed by the tenderer from the site within two weeks of the date of rejection at their own cost. In case they are not removed they will be auctioned at the risk and responsibilities of the suppliers without any further notice.

40. **In** the case of not honoring the supply order, Sanjay Gandhi Postgraduate Institute of Medical Sciences, will have the right to impose penalty as deemed fit to resort to make purchase at the suppliers cost and risk may forfeit his security to make purchase at the suppliers cost and risk.

41. **In** the case of non-supply of stores within stipulated period, it will be at the desecration of the Sanjay Gandhi Postgraduate Institute of Medical Sciences to accept delivery with late delivery clause @ 1% per week maximum to the extent of 10% of the ordered value for delayed supply. In the case of imported goods, the late delivery clause will be imposed @ 0.5% per week subject to the maximum of 5% of FOB value.

42. **In** the case of not honoring the supply order, Sanjay Gandhi Postgraduate Institute of Medical Sciences, will have the right to impose penalty as deemed fit to resort to make purchase at the suppliers cost and risk may forfeit his security to make purchase at the suppliers cost and risk.

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45. **All** disputes and question, if any arise between the Institute and the bidder out of or in connection with the terms and conditions contained herein or as to the construction of application thereof, or the respective rights and obligations of the parties there under or as to any clause or thing herein contained or by reason of the supply or failure or refusal to supply any material or as to any other matter in any way relating to these presents shall be referred to the sole Arbitration, President of the Institute/Chief Secretary of the U.P. Govt. or his nominee. The decision of the sole arbitrator shall be final and binding upon both parties and subject to adjudication of Lucknow Court. Place for arbitration shall be at Lucknow (U.P.), India. Venue of such arbitration proceedings shall be the Institute. Arbitration and conciliation Act 1996 and rules made there under shall be applied to the proceedings under this clause.

46. **Sales-Tax** Registration certificate duly attested copy by a Gazetted Officer should also be enclosed.

Sales Tax, Income Tax clearance certificate along with the affidavit from a notary that the firm has never been black listed must be attached along with the tender failing which the tender will be rejected and no correspondence will be entrained in this regard.

Tenderers hereby agree to all terms and conditions stipulated in N.I.T. and undertake to sign the rate Contract or Supply order within the given days from the date of order failing which Security shall be liable to forfeit.

The manufacturer or their Indian representative will ensure a proper after sales service as per our requirement from time to time, against the guarantee/warranty clause as per the terms

and conditions agreed under negotiations would be provided at our Institute without fail. Any negligency on this account shall be the sole responsibility of foreign vendor and the liability of compensation will be fixed up by the Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow.

A Comprehensive offer of same for **5 years** would be finalized before placement of order either on comprehensive or semi/non-comprehensive basis (with or without spare/consumables/Accessories including labor charges) by the Institute to the tune of 95% uptime of equipment that AMC will be effective after expiry of warrantee period.

47. **The price bid will be opened in the presence of authorized representative of qualified tenderer within 45 to 60 days from the date of opening of technical bid.**
48. **The price ranking will be carried out as under :**
- (i) The exchange rate of last date of submission of bid will be applicable for price ranking.
 - (ii) The prices for optional items will be excluded for ranking purpose i.e L-1, L-2 etc.
 - (iii) After omitting 'optional items' ranking will be determined as under
Total Price = Price with all accessories as per technical specification + CMC Price (with spares) for five years after warranty.
49. **The supplier will get the equipment/consignment cleared from the custom. The Custom Duty and clearance charges as well as freight charges will be borne by the manufacturer/Indian representative at the time of clearance which will be reimbursed by the Institute on production of documentary evidence. Also the insurance will be arranged by the firm effective from port of shipment to Central Store, SGPGIMS, LUCKNOW and the charges will be reimbursed by the institute based on documentary evidence.**

**Joint Director (MM)
for Director
Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Raebarely Road, Lucknow**

Technical Specification for Ceiling Pendant for PMSSY

- 01. Multi-movement pendant/single arm/motorized/adjustable arm of approximate length 1000mm/range of rotation-arm should rotate at minimum 300 degree at his axis/multi-movement pendant should offer optimal free movement at work place/Arm should be able to take load upto 70kg to 90 kg.
- 02. Pendant should have : One instrument carrier platform is mounted in a horizontal position/Drawers to be added at the bottom of the instrument carrier platform/08x230 volt electrical switch sockets(medical grade)6/16 amp/Designed to permit installation of receptacles for data transmission,nurse call,telephone,pc monitor, and analyzer/08 medical gas outlet(Oxygen-02,vaccum-02,4 bar-1,7 bar-1,AGSS-1,N2O-1

Total qty= 06

Technical Specification for CSSD Equipments

- 1. High pressure high vaccum steam sterilizer with automatic process control & multi program double door = 03No,s
600x900x1200mm- -- (02No,s)
900x900x1200mm-- (01 No)
- 2. Gauze cutting machine with SS Table = 01No
- 3. Washer disinfecter = 02No,s
- 4. Hot Aie Oven = 01 No

5. Single Chamber Ultra sonic cleaner(48 Ltrs. Capacity)	= 02No,s
6. E.O. Gas Sterilizer with aerator	=01No
7. Plasma Serilizer	=01No
8. SS Storage Container	=100No,s
Size: 60x30x30 =(30No,s)	
60x30x15 =(25No,s)	
30x30x30 =(25No,s)	
30x30x15 =(20No,s)	
9. SS Trays (Perforated)48x24Cms	=50No,s
10. SS Storage baskets	=100Nos.
11. Roto Sealers	= 03No,s
12. SS Washing station with one sink(1500x650x850mm)	= 01No
13. Closed transport trolley(900x490x900mm)	= 06No,s
14. SS Table with shelf	= 06 No,s
15. Trolley with shelves(1050x550x1060mm(H))	= 04 No,s
16. Drying Cabinet(450x450x600mm)	= 01No
17. Spray gun rinser	= 02No,s

Description of horizontal high pressure high Vaccum steem sterilizer

Qty : 01 No. specification.

Size:24 cubic feet, shape : Horizontal rectangular,Chamber dimension:

600x900x1200mm,standard :ISI and compatible to international standards,capacity :640ltrs,working temperature:121oC and 134oC.,working pressure:1.2Kg/cm2 to 2.2Kg/cm2,Hydraulic test: Double of working pressure,door: single radial arm and carriage: 1No each.

The sterilizers should be confirming to IS:3829 with ISI mark(Valid certificate from ISI) suitable for sterilization of wrapped and unwrapped SS instruments and other devices,linen,glassware,rubber goods & liquid in open bottles and can be operated on both steam from central steam facility and inbuilt steam generator.

(A) Material of Construction

- (i) Chamber : Stainless steel of 316 of IS 6911 of 1992.
- (ii) Jacket : Carbon Steel.
- (iii) Door : Stain less steel of 304 of IS 6911 of 1992.
- (iv) Door Gasket : High Temperature resistant silicone elastmer type suited for autoclaving operation. Material should be non-toxic and complies with the regulations for autoclaving use.
- (v) Insulation : Non fiber shredding resin bonded Glass wool with SS covering of 304 of IS 6911 of 1992.
- (vi) Door hinged type with radial arms with process lock to prevent opening of door during the process and Door obstruction safety to prevent closing of door in case of obstruction.
- (vii) Vaccum System : Water ring type vaccum pump. The shell and tube type condenser should be fabricated from stainless steel of 304.
- (viii) Mounting : On stainless steel tubular stand with leveling lungs of 6”.
- (ix) Stam supply : The steam generator should have heaters of required electrical load,automatic pressure controller with gauge,low water level cut off,safety valves and with utmost safety features should be of stain less steel 316 with argon welding.
- (x) Steam Trap : Both Chamber and jacket should have standard steam trape,loading car(Carriage): Stain less steel 316 grade of IS 6911 of 1992.with two shelves ensuring a flexible loading arrangement.
- (xi) Trolley: The trolley for loading and unloading of material.

(B) **Process** : Individual; Stainless steel control valves for process of autoclaving and also for manual operation as :

- (i) Steam to Jacket through PRV.
- (ii) Jacket to Chamber.
- (iii) Exhaust-Fast & Slow.
- (iv) Vacuum and dry.
- (v) Direct steam discharge line.

© Operation Option (Automatic)

The system cycle should indicate the following parameters on LED display.

1. (a) Cycle number.
(b) Loading information.
(c) Date
(d) Sterilization duration
(e) Total process time
(f) Alarms for malfunction.
2. Chamber Air leak test.
3. Pulsing air removal system with detection by Bowie test.
 1. Real Time data – real time temperature and graph of temperature indication degree centigrade versus time in minutes with set point showing the selected sterilization temperature on strip chart recorder.
 2. Retrieval of Data: storage of all important information in the computer of record and retrieval purpose of at least last 1000 entries.
 3. Printer provided for hard copy.

(D)Others

1. Vacuum Pump : ISI make high capacity water ring vacuum pump of standard company of required capacity complete with condenser and fittings for mechanical air removal ie vacuum(Pre-vacuum)and drying(post vacuum)
2. Noise Control : Anti Vibration Mounting.
3. All pipes, fitting , Connection & stand : Stainless steel of grade x 4 acr 19 ni 9(ISS 304 SI) of IS 6911.
4. Steam generator : SS steam generator with automatic pressure regulation & over pressure safety & meeting all necessary requirements.
5. Plug Screen : One removable plug screen for chamber drain line to be provided.

(E) Terms and Condition

- i. Installation on Turnkey basis ie only water, electric and steam source at site will be provided. All control like ICPT switch, input valves and PRV if required should be provided/installed by the supplier.
- ii. ISI certificate and list of users installations of rectangular sterilizer may be provided.
- iii. The supplier will provide 2 sets of operating manual and circuit diagram and a service manual.
- iv. Guarantee/warranty of 05 years.
- v. Offer for both comprehensive(labour & spare) maintenance and non-comprehensive.(Only labour and price list of spare part with validity of rates to be provided.
- vi. 95% uptime during during warranty as well as during maintenance contract. Fine/penalty as per institute terms.

- vii. A copy of certificate from BIS should be attached. All testing certificates for the jacket chamber and all other components used should be provided.

(F) Safety

1. IBR approved pressure-reducing valves with gauges: the tenderer should provide traps in lines and safety valves for jacket and chamber for over pressure safety.
2. Door safety to prevent starting of process unless the door is closed and opening of door when the chamber is pressurized.
3. Insulated surface to avoid scalding to operator.

Specification of Instruments Washer Disinfecter.

- (1) Ergonomically designed disinfecting washing machine to clean all type of surgical instruments..
- (2) Peristaltic dosing pumps for chemicals, microprocessor controlled.
- (3) Level control with minimum level alarm for chemical containers of about 10 ltrs.
- (4) Multiple pre-set programme.
- (5) Total control of cycle parameters.
- (6) Exhaust air connection & drying unit with double filter.
- (7) Heating power of 03 KW.
- (8) Washing chamber made up of AISI 316L steel.
- (9) Self cleaning chamber with rounded corners..
- (10) Three level water filtering system.
- (11) Manual operated bottom hinged door.
- (12) Automatic rack coupling system for injector cleaning and drying.
- (13) Thermal decontamination upto 93oC.
- (14) External dimention- as per capacity.
- (15) Rack dimention- as per capacity.
- (16) Maximum basket capacity= 100 ltrs.
- (17) Electrical tank heating/boiler for pre-heating.
- (18) Front loading.
- (19) The equipment should comply EN ISO specification.
- (20) Insert design should hold different type of surgical instruments and tubular scopes and appliances, anaesthesia tubing etc.
- (21) The warranty of equipment will be five years.
- (22) Comprehensive AMC charges should also be offered.
- (23) The firm to give installation requirement for the equipment in their technical offer.

Specification of Drving Chamber

Chamber siize : 450x450x600mm

Features

- (i) Complete stainless steel chamber construction with full argon welding for superior hygiene.
- (j) Uniform distribution to prevent presence of hot or cold spots for best process accuracy.
- (k) Electronic controller for drying temperature and time ensuring high process accuracy.
- (l) Air tight door with temperature resistant silicone gasket.
- (m) Simple cleaning of all internal and external surfaces.

- (n) Simple installation and servicing. Machine is only to be plugged to an electrical connection.
- (o) Fully automatic operation.
- (p) In built temperature over-shoot safety for operator safety.
- (q) Special cassettes and inserts for drying of tubings and hoses.

Specification of Ultra sonic cleaning system

1. Capacity : 48 Ltrs
2. Power Input : 440 V three phase AC supply
3. Ultrasonic Power : 800 watts.
4. Frequency : 35+/-3KHZ.
5. Ultrasonic Generator : Solid state module in the machine structure cooling is achieved by inbuilt cooling fans. The circuit is having safety protections like MOV & diodes. Control panel is having safety fuses along with indication for generators & switches. Panels are duly powder coated.
6. Transducer : PZT sandwiched type, bonded at the bottom of the tank with a special welbond technique.
7. Tank Dimension : 20x12x12inches(LxBxH).
8. tank capacity.
9. Tank Material : Single tank of SS 316 grade 16 s.w.g. sheet metal fabrication of high quality, round corners, buffed & polished surface. All joints are argon are welded.
- 10 Heater : 1000 wattsx1no. Heater is controlled thermostatically.
11. Tank Cabinet : Panels are duly powder coated.
12. Drain : Ball valve is provided for draining of the tank.

Specification of Container

Detailed description of the actual use of the equipment : for packing of instrument sets and linen for operation theatre & other areas.

- (a) Double lid system.
- (b) Thermoloc sealing of lid self acting by temperature.
- (c) Lid stainless steel/aluminum, base aluminum.
- (d) Bio-Barrier-stain less steel valve.
- (e) Thermostatic condensation drain in the bottom.
- (f) Two handles one at either end of container with silicone rubber covering.
- (g) Minor variation in size can be considered.
- (h) The offer should indicate the number of sterilization cycles a container can undergo.
- (i) If available the containers must display the number of time the container has undergone sterilization cycles.

Specification of Spray gun Rinser

Operation

The spray gun rinser will be used for cleaning of pipes, catheters, cannulas, syringes etc.

The spray gun is connected to demineralized water and pressurized air.

A special rack should be provided for fitting the different cleaning tips.

The water/air pressure should be released, regulated and fully controlled by the spray gun trigger.

Cleaning Tip

Special purpose tip should be provided for the cleaning of:

Syringes and cannulas, Measuring and blood pipettes, Drainage tubing, Instruments and Bottles and Flasks.

**Specification of equipments for Kitchen,Caeteria & pantries of PMSSY-
Hospital**

SI No	Description of items with specifications	Size/Capacity	Quantity
1.	Weighing Scale : 200kg capacity.The frame levers and plastic form made up of ss steel size 24*24,minimum gradation dail chart 200gm.	200Kg	01
2.	Weighing Scale (Digital/Electronic): 5kg capacity,table top model large disply,auto calibration facility,inbuilt battery backup.	05kg	02
3.	House keeping trolley	Standard	01
4.	Luggage trolley	Standard	02
5.	Onion/potato Bin : completely constructed of ss sheet of 16 swg in rectangular form with hinged lid on the top with locking arrangement. The stainless steel sheet will be perforated all over to dip potatoes and onion airy and fresh. The bins will be mounted on four no,s heavy castor wheels.	Standard	02
6.	Kitchen utility trolley	Standard	01
7.	Vegetable storage rack: completely constructed of ss round pipe with verticals and sides of 1.5” and inside shelves ss sheet 20 swg. The rack is mounted on four nylon adjustable feet.	60*24*	02
8.	Storage rack(wall) : completely constructed of ss round pipe with verticals and sides of 1.5” and inside shelves ss sheet 20 swg. The rack is mounted on four nylon adjustable feet	60*18*48	06
9.	Storage drum with lid(steel): 0.45mm thick 202 grade SS sheet	200ltrs	06
10.	Storage drum with lid(steel) :0.45mm thick 202 grade SS sheet	100ltrs	04
Preparation			
1.	Work table(with one under shelves): Structure made of mild steel angle (38x38x5mm) frame duly rust proof painted,top of 16swg ss sheet. Vertical legs of ss round pipe of 16swg 1.5”diameter with nylon adjustable feet	60*24*34	07
2.	Atta Kneader(with lid): Body completely constructed of heavy duty cast iron with gear box mounted on the top the mixing bowl of ss sheet 14swg with handle the dough kneading machine is comes with single attachment the machine is operated electrically with a motor of 1hp on single phase	50kg	01
3.	Wet grinder : Body : made of 16swg ss 304 sheeit food gr. Complete with revolving drum,grinding stone & wooden scrapper. Motor:1hp electric motor & gear box.	10kg	02
4.	Potato Peeller: The drum and the base will have assembly abrasive coating to peel the potatoes. The roatating base is coupled with the motor assembly at its best and will be of removable type for easy maintenance. The drum will have a top opening lid with a feeder on the top and peeled potatoes unloading vent on a side constructed of Aluminum casting. The drum will have a water inlet to flush off the peel through a in built drain. The unit will have on ½”hp standard motor with starter.	20kg	01
5.	Pulviser : This machine is best suited to grind dry/wet masala ie chilly etc.	standard	01
6.	Electrical Copmmercial Juicer : Specification : All body made up of SS,Motor ISI for extraction of juice in bulk quantity.	standard	01
7.	Mixer Grinder & Juicer(Domestic) specification: ISI with attachment are made up of SS required in the pantry of special	standard	02
8.	Measuring Jugs and Containers made of SS	5/1.0/1.5Li	06

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9.	Micro wave Oven : Capacity of 36liter Capacity of 36 liter,Each unit shall be placed in each ward pantry,the patient of particulars ward shall get fresh food items for cases where food is put on hold to be served later due to clinical reasons and preference of patient.	standard	05
	Cooking		
1.	Stok Pot Burner: Structure made of mild steel angle (38x38x5mm) frame duly rust proof painted, top of 16swg ss sheet. Front panel and under shelf of 18 swg ss sheet,three side covering of 20 swg ss sheet,the top of 1No High pressure burner with pilot,individual control valve.	24*24*24	02
2.	Two Burner range : Structure made of mild steel angle frame duly rust proof painted, top of 16swg ss sheet. Front panel and under shelf of 18 swg ss sheet,three side covering of 20 swg ss sheet, verticals legs of ss round pipe of 16 swg,1.5" diameter with nylon adjustable feet. the top will have 2no,s burner with ,individual needle control valve.	48*24*34	02
3	Chappati Plate : Structure made of mild steel angle frame duly rust proof painted, top of 12mm mild steel. Front panel and under shelf of 18 swg ss sheet,three side covering of 20 swg ss sheet, verticals legs of ss round pipe of 16 swg,1.5" diameter with nylon adjustable feet. Complete with CI perforated grill for puffing of chapattis, heavy-duty high pressure RV burners pilot,individual control valves Indian oil corporation approved.	48*24*34	02
4.	Marble top chapatti table for preparation.	48*24*34	01
5.	Bulk Cooker : Double waled glass wool insulated all ss sheet body. The outer most is of 18 swg ss sheet body fitted with heavy duty high pressure burner with pilot lamp & individual control valves. Fitted with water inlet & water outlet valve & strainer at the bottom level of the boiler also fitted with a top opening lid with insulated handle. The entire boiler is mounted on heavy duty tubular legs.	standard	01
6.	Milk Boiler : Double waled glass wool insulated fully ss sheet body. fitted with 3.0 kw heating element,auto temp. controller & indicating lamp,water level indicator,gun metal faucet and insulated handles on either sides mounted on ss tubular legs.	100ltrs	02
7.	Tilting Ss shallow Fryer(LPG) Pan interior constructed of 12/24 Gauge SS sheet. Pan insulated insulation cover of 18Gauge sheet. 2 No RV-450 Ribbon burner fitted with pilot burner with ondividual needle control valve fitted with gear box for tilting arrangement. Gear box covered by 18 Gauge SS sheet.	100ltr	01
8.	Chapati machine fully automatic: Made of Ss,1000 chapati per hour, automatic boll cutting,automatic flatting of boll,puffing and shifting of cooked roti,single handed, adjustable thickness and size and oven temperature adjustable.	1000hr	01
9.	Chapati collection basket	standard	06
10.	Masala Trolley	24"24"34"	02
11.	Exhaust Hood	48*34	02
	Referigeration		
1.	Deep Freezer : Body : Double constructed from ss: 304 ss sheet: outer body(20swg) and inner body(22swg) Frame :ms angle 38x38x4mm frame duly rust proof painted fitted on ss tubular legs with adjustable bullet feet. Doors:top opening doors with rubber gasket & locking arrangement. Insulation:puff type insulation will be used. Condensing unit:emersion/Tecumseh make.	28*60*34	01
2.	Four Door Refrigerator : Structure made of mild steel angle frame duly rust proof painted, body completely constructed of ss sheet double walled insulated with puff,inner tank of 22 swg and outer of 20swg ss sheet.Of wire mesh made removal shelf with height adjusters mounted	84*84*84	01

	on ss channels.The refrigerator will have four no,s ss double walled insulated 18swg door spring activated with locking arrangements.The refrigerator is mounted on four ss tubular legs with ss bullet adjustable feet. The refrigerator is cc complete with compressor and condenser unit Kirloskar make with automatic temperature controller and tem. Indicator.		
3.	Walking Cold room : Made of all four wall ceiling and floor and insulated with pur and fitted with Lirloskar condensing unit inner and outer walls made in ss sheet and standard parts.Racks for cold room 4 tiers made up of 16 gauge ss sheet and ss angle for keeping vegetable,milk,egg,butter,fruites,paneer etc.	84*84*84	01
4.	Water Cooler : Structure made of mild steel angle frame duly rust proof painted, body completely constructed of ss sheet double walled insulated with puff,inner tank of 22 swg and outer of 20swg ss sheet food gr..the water cooler is mounted on four ss tubular legs with ss bullet adjustable feet. Complete with compressor and condenser unit Kirloskar make with automatic temperature controller and tem. Indicator.	150ltr	01
	Service		
1.	Breakfast and Tea service trolley : can hold 10lt tea container,1.0kw type heating element,4No,s 150*50mmPUcastors,recessed handles.	standard	05
2.	Food service trolley: size length 48" hight 34" all body made of ss frame work made out of mild sheet. Top to have 4 cylindrical food container with 8" dia*8" with insulated lid deep placed lengthwise.Three cylindrical food container with lid 18"*12"*8* for rice/chapatti.Top should have proper containers receptable with raised rim and the whole top should be fully puffed insulated bottom to service shelf in front with proper folding brackets be provided.Push handles one side heavy duty revolving 8" rubber castor wheels.Rubber bumper guards on all four corners.	Same as per specification	15
3.	Tea Container SS Insulated	5Ltr	05
4.	Tea Container SS Insulated	10Ltr	05
5.	Service Jug for jucers(Food grade plastic melamine)	300ml	25
6.	Service Jug for jucers(Food grade plastic melamine)	500ml	25
	Washing		
1.	Waste dump trolley	24"24"34"	01
2.	Soiled Dish Landing Table : Structure made of mild steel angle (38x38x5mm) frame duly rust proof painted, top of 16swg ss sheet. under shelf of 18 swg ss sheet,Vertical legs of ss round pipe of 16swg. 1.5"diameter with nylon adjustable feet.	73*3*24*34+16	01
3.	Pot rack with three shelves: Completely constructed of ss round pipe with Verticals and sides of 1.5" and inside shelves ss sheet 20swg. The rack is mounted on four nylon adjustable feet..	84*24*60	02
4.	Clean Dish Rack with five shelves: Completely constructed of ss round pipe with Verticals and sides of 1.5" and inside shelves ss sheet 20swg. The rack is mounted on four nylon adjustable feet..	84*24*60	02
5.	Gas pipe lining fully automatic	As per site requirements	
	Utensils		
1	Thali with 5-6 compartment made of ss with cover round with 1" depth 12"dia		225
2.	Glass made of ss	300ml	225
3.	Spoon for lunch made of ss		225
4.	Bowl made of ss	200ml	225
5.	Tray big made of ss		10
6.	Belan Wooden/Metal		10

7.	Knife got veg cutting etc. made of ss		20
8.	Kalchi made of ss	Standard	40
9.	Rice serving spoon made of ss	Standard	20
10.	Spoon big size of ss for food making(karchi)	Standard	20
Pantry requirements			
1.	House hold two burner(Domestic)	Standard	8
2.	Table top Bain Marie : Structure made of mild steel angle frame duly rust proof painted, top of 18swg food grade ss sheet 304. Inner tank made of 18 swg ss 304 sheet,outer body of 20 swg ss sheet,with 3kw. Immersion type heating element with auto temp. controller & indicating lamp also provided. Insulation puff type glass wool.	36*18*18	02
3.	Toaster Commercial: Completely constructed of ss sheet of 18 swg double walled insulated with glass wool with ss rod constructed sliding tray with insulated handles. The toaster is operated electrically with heavy duty air heater mounted on top & bottom of the unit with heavy duty rotary switch & indication lamps & thermostatically controlled.	Standard	2
4.	Two door refrigerator : Structure made of mild steel angle frame duly rust proof painted, body completely constructed of ss sheet double walled insulated with puff,inner tank of 22 swg and outer of 20swg ss sheet the inner chamber will have 3 no.s.Of wire mesh made removal shelf with height adjusters mounted on ss channels.The refrigerator will have 2no,s ss double walled insulated 18swg door spring activated with locking arrangements.The refrigerator is mounted on four ss tubular legs with ss bullet adjustable feet. Compressor and condenser unit Kirloskar make with automatic temperature controller and tem. Indicator.	Standard	5
5.	TEA/Coffe Dispensing machine automatic :Double walled glass wool insulated all ss sheet body. Fitted with 3.0 kw heating element with auto temp. controller & indicating lamp, water level indicator,Gun metal faucet one for water and another for milk.	Standard	5
6.	Tray ss and melamine (10 each)	Standard	20
7.	Tea mugs melamine	150ml	250
8	Spoon Table		250
9.	Hot case tiffin carrier,having ss containers capacity of 150-200ml each additional ss container are also required.	5 compartment	50

Specification of equipments for Kitchen,Caeteria & pantries of PMSSY-Hospital

SI No	Description of items with specifications	Size/Capacity	Quantity
1.	Weighing Scale : 200kg capacity.The frame levers and plastic form made up of ss steel size 24*24,minimum gradation dial chart 200gm.	200Kg	01
2.	Weighing Scale (Digital/Electronic): 5kg capacity,table top model large display,auto calibration facility,inbuilt battery backup.	05kg	02
3.	Storage rack(wall) : completely constructed of ss round pipe with	60*18*48	06

	verticals and sides of 1.5" and inside shelves ss sheet 20 swg. The rack is mounted on four nylon adjustable feet		
4.	Storage drum with lid(steel): 0.45mm thick 202 grade SS sheet	200ltrs	01
5.	Storage drum with lid(steel): 0.45mm thick 202 grade SS sheet	100ltrs	02
	Preparation		
1.	Atta Kneader(with lid): Body completely constructed of heavy duty cast iron with gear box mounted on the top the mixing bowl of ss sheet 14swg with handle the dough kneading machine is comes with single attachment the machine is operated electrically with a motor of 1hp on single phase	50kg	01
2.	Wet grinder : Body : made of 16swg ss 304 sheet food gr. Complete with revolving drum,grinding stone & wooden scrapper. Motor:1hp electric motor & gear box.	10kg	02
3.	Dry Grinder : body made of 16swg ss:304 sheet food gr. Complete with revolving drum,grinding stone & wooden scrapper.Motor :1hp electric motor & gear box.	20kg	01
4.	Pulviser : This machine is best suited to grind dry/wet masala ie chilly ,spices,sugar,herbs,paste & Chutneyetc.Runs easily & saves time. This dry/wet grinder are made of ss steel body, SS steel hard cuttes & Sieve.	standard	01
5.	Electrical Copmmercial Juicer : Specification : All body made up of SS,Motor ISI for extraction of juice in bulk quantity.	standard	01
6.	Mixer Grinder & Juicer(Domestic) specification: ISI with attachment are made up of SS required in the pantry of special therapeutic feed.	standard	02
7.	Measuring Jugs and Containers made of SS	5/1.0/1.5Lit each3	06
8.	Micro wave Oven : Capacity of 36 liter,Each unit shall be placed in each ward pantry,the patient of particulars ward shall get fresh food items for cases where food is put on hold to be served later due to clinical reasons and preference of patient.	standard	05
	Cooking		
1.	Masala Trolley: 2 shelves,8 containers with lid on each shelf	24"24"34"	02
2.	Tilting SS shallow Fryer(LPG): Pan interior constructed of 12/14 Gauge SS sheet.Pan insulated insulation cover of 18 gauge sheet.2No, RV-450 Ribbon burner fitted with pilot burner with individual needle control valve fitted with gear box for tilting arrangement.Gear Box covered by 18 gauge ss sheet.	100ltrs	01
3	Chapati machine fully automatic: Made of Ss,1000 chapati per hour, automatic boll cutting,automatic flatting of boll,puffing and shifting of cooked roti,single handed, adjustable thickness and size and oven	1000hr	01
4.	Chapati collection basket	standard	06
5.	Water Cooler : Structure made of mild steel angle frame duly rust proof painted, body completely constructed of ss sheet double walled insulated with puff,inner tank of 22 swg and outer of 20swg ss sheet food gr..the water cooler is mounted on four ss tubular legs with ss bullet adjustable feet. Complete with compresor and condenser unit Kirloskar make with automatic temperature controller and tem. Indicator.	150ltr	01
6.	Two Door Refrigerator : Structure made of mild steel angle frame duly rust proof painted, body completely constructed of ss sheet double walled insulated with puff,inner tank of 22 swg and outer of 20swg ss sheet.Of wire mesh made removal shelf with height adjusters mounted on ss channels.The refrigerator will have two no,s ss double walled insulated 18swg door spring activated with locking arrangements.The refrigerator is mounted on four ss tubular legs with ss bullet adjustable feet. The refrigerator is cc complete with compressor and condenser unit Kirloskar make with automatic temperature controller and tem. Indicator.	Standard	04
7.	Aquaguard	Domestic	04

8.	Palta made of SS	Commercial	05
9.	Dulla made of iron	Commercial	05
10.	Vegetable cutter	standard	03
Service			
1.	Breakfast and Tea service trolley : can hold 10lt tea container,1.0kw type heating element,4No,s 150*50mmPUcastors,recessed handles.	standard	06
2.	Food service trolley: size length 48" hight 34" all body made of ss frame work made out of mild sheet. Top to have 4 cylindrical food container with 8" dia*8" with insulated lid deep placed lengthwise.Three cylindrical food container with lid 18"*12"*8* for rice/chapatti.Top should have proper containers receptable with raised rim and the whole top should be fully puffed insulated bottom to service shelf in front with proper folding brackets be provided.Push handles one side heavy duty revolving 8" rubber castor wheels.Rubber bumper guards on all four corners.	Same as per specification	06
3.	Tea Container SS Insulated	5Ltr	06
4.	Tea Container SS Insulated	10Ltr	06
5.	Service Jug for jucers(Food grade plastic melamine)	300ml	25
6.	Service Jug for jucers(Food grade plastic melamine)	500ml	25
7.	Serving Jug made of SS	1Lit	10
Washing			
1.	Waste dump trolley: with three side cover and 1 door ss body, 24*24*30	42"24"34"	01
2.	Utensil sterilizer	commercial	01
Utensils			
1	Thali with 5-6 compartment made of ss with cover round with 1" depth 12"dia		500
2.	Glass made of ss	300ml	225
3.	Spoon for lunch made of ss		225
4.	Bowl made of ss	200ml	225
5.	Tray big made of ss		10
6.	Belan Wooden/Metal		10
7.	Knife got veg cutting etc. made of ss		20
8.	Kalchi made of ss	Standard	40
9.	Rice serving spoon made of ss	Standard	20
10.	Spoon big size of ss for food making(karchi)	Standard	20
Pantry requirements			
1.	Toaster Commercial: Completely constructed of ss sheet of 18 swg double walled insulated with glass wool with ss rod constructed sliding tray with insulated handles. The toaster is operated electrically with heavy duty air heater mounted on top & bottom of the unit with heavy duty rotary switch & indication lamps & thermostatically controlled.	Standard	2
2.	Toaster domestic	Domestic	30
3.	TEA/Coffe Dispensing machine automatic :Double walled glass wool insulated all ss sheet body. Fitted with 3.0 kw heating element with auto temp. controller & indicating lamp, water level indicator,Gun metal faucet one for water and another for milk.	Standard	01
4.	Tray Ss and melamine(10each)	Standard	10
5.	Tea mugs melamine	150ml	250
6.	Spoon Table	standard	250
7.	Hot case tiffin carrier,having ss containers capacity of 150-200ml each additional ss container are also required.	5 compartment	50

		ent	
8	Electrical Kettle	standard	04
9.	Casseroles made of SS	Commercial	100
10	Gas lighter	domestic	35
11.	Therapeutic feed containers(food grade quality)	1lt	150

Specifications of Miscellaneous items for patient Tub Feed.

1.	Blenders and mixtures of industrial grade	sets	02
2.	Hand held blenders	sets	02
3.	Stainless steel 01 Ltr Jars with lid	No,s	01
4.	Stainless steel full cutlery set	sets	02
5.	Pressure Cookers of 10 Ltr capacity	No,s	02
6.	Dish Washer	No,s	01
7.	Fridge 165 Ltr	No,s	01
8.	Gas Stove with Burners	sets	02
9.	LPG Cylinders	No,s	02
10.	Water purification system(< 5step reverse osmosis)	No,s	01
11.	Microvave (10L)	No,s	01

Each unit must be supplied with two sets of operating manuals.
Guarantee, Warranty and CMC clauses as per the Institute norms.