

SHRI SAIBABA SANSTHAN TRUST, SHIRDI

POST : SHIRDI – 423 109

TAL : RAHATA, DIST : AHMEDNAGAR (MS)

TELEPHONE NOS. (02423) 258671/ 676

E-mail : hospital.purchase@sai.org.in

Website : <http://www.shrisaibabasansthan.org>

Link to Website : mahatenders.gov.in



Tender Cost: Rs.3,000/-

EMD Amt.: Rs.50,000/-

**PURCHASE OF FULLY AUTOMATED HORIZONTAL
AUTOCLAVE FOR
SHRI SAIBABA & SHRI SAINATH
HOSPITAL, SHIRDI.**

E-TENDER DOCUMENT

Dates for Submission of Online Tenders:
24/02/2018 FROM 10 A.M. TO 16/03/2018, 5 P.M.

Issued to -

NAME OF TENDERER:

ADDRESS:

SHRI SAIBABA SANSTHAN TRUST, SHIRDI

Interested eligible Tenderers may obtain further information of technical specifications, required quantities and other terms and conditions applicable for procurement of enclosed items from the e-tendering Website: <http://www.mahatenders.gov.in>

E-TENDER SCHEDULE

All bid related activities (Process) like Tender Document Download, Bid Preparation and Hash submission, bid submission and submission of EMD and other documents will be governed by the time schedule given under Key Dates below:

Publish Date :	20/02/2018
Document Download & Sale Date :	24/02/2018
Pre Bid Meeting Date :	22/02/2018 11.00Am
Venue -	Sainiwas VIP Guest House, Shirdi
Bid Submission Start Date (Online) :	24/02/2018
Closing of Bid Submission (Online) :	16/03/2018
Date of Opening of Technical Bid : Online	19/03/2018 up to 5.00 P.M.
Address for communication :	Chief Executive Officer, Shri Saibaba Sansthan Trust's Shri Saibaba Hospital, Shirdi – 423 109. Tal – Rahata, Dist – Ahmednagar. Phone No. 02423 – 258671/676

1. If you wish to give discount for a Charitable Trust it should be incorporated in total price. But 'Nil' Tenders shall not be accepted. (i.e. Price Quoted as Zero.)
2. No Need to Submit or provide hard copy of any documents, the technical evaluation will be done only on the basis of uploaded document.
3. You have to deposit the amount of EMD & Tender form fee directly to the following account number of Sansthan. (Corporation Bank, Shirdi Saving Account No.-146400101000001, IFSC Code – CORP0001464) in the name of Chief Executive Officer, Shri Saibaba Sansthan Trust, Shirdi.
4. The tenders shall be rejected summarily upon failure to follow procedure prescribed in the Tender document. The conditional tender is liable to be rejection.
5. Online Commercial bid shall be opened as per e-tendering procedure after opening of Online Technical Bid only if contents of Technical Bid to be in accordance with the tender conditions stipulated in the tender document. Likely date and time of price bid opening will be intimated to you electronically by the purchaser separately to the eligible tenderers.
6. Shri Saibaba Sansthan Trust, Shirdi reserves the right to increase or decrease the quantity to be purchased and also reserves the right to cancel or revise the tenders or part of tenders at any stage without giving any reasons thereto.

**CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.**

Check List

The Copies of following original documents should be scanned & uploaded online only

Sr.No.	Documents to be Submitted	Page No.
1	Letter from Tenderer about Tender acceptance (As per Annexure V)	
2	Information about Tenderer (As per Annexure II)	
3	Scan Copy of UTR number for EMD if possible scan copy of acknowledgement. (As per Annexure VI)	
4	Scan Copy of UTR number for Tender Form Cost if possible scan copy of acknowledgement. (As per Annexure VI)	
5	PAN Card	
6	GST Registration Certificate	
7	Annual Turn Over for last 3 years duly Certificate by CA(As per Annexure IV)	
8	Authorisation Letter of Concerned Company / Manufacturer	
9	Technical Specification compliance Schedule (As per Annexure VIII)	
10	Self Declaration about not being black listed by any Hospital run by Government / Semi Government /Municipal Corporations. ((As per Annexure VII)	
11	Company Data Sheet of the Product along with the coloured brochure	
12	Certificate : USFDA / CE Mark of quoted company product as applicable.	

[Note - Above documents should be submitted in above sequence only.]

Letter about invitation of Tender

NO.SSS/WS/SSBH/STORE/(P/S)/

/2018

DATE :-

TO,

**SUBJECT: SUPPLY OF FULLY AUTOMATED HORIZONTAL AUTOCLAVE
FOR SHRI SAIBABA & SHRI SAINATH HOSPITAL, SHIRDI.**

Dear Sir,

SHRI SAIBABA SANSTHAN TRUST, SHIRDI registered under the BPT Act. 1950 and having its registered office at Shirdi runs Public Charitable 200 bedded Shri Saibaba Superspeciality Hospital & 200 bedded Shri Sainath General Hospital at Shirdi invites sealed Tender from the eligible & qualified manufacturers / distributors, who meet the requirement for the supply of above items.

Shri Saibaba Sansthan Trust, Shirdi reserves the rights to reject any or all tenders without assigning any reasons thereof.

Yours Sincerely,

**CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.**

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Annexure "II" *Information about Tenderer*

1) Name of Tenderer:

2) Permanent Address for Correspondence:

3) Ph. No. Office / Authorised person :

Mob. No. :

Factory :

Fax No. :

E-mail :

4) Name of Owner / Partner / Director:

1)

2)

3)

5) GST No. :

6) PAN No. :

7) RTGS (Real Time Gross Settlement)

System or Core Banking A/c No. :-

Name of the Bank :-

IFSC Code :-

Thanking you.

Yours Sincerely,

Sign -

Name -

Designation -

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Annexure "III"

SHRI SAIBABA SANSTHAN TRUST, SHIRDI.

AT. PO. SHIRDI. - 423109

TAL. RAHATA DIST. AHMEDNAGAR (MS)

E-TENDER

E-TENDER FOR SUPPLY OF FULLY AUTOMATED HORIZONTAL AUTOCLAVE FOR SHRI SAIBABA & SHRI SAINATH HOSPITAL, SHIRDI.

TERMS AND CONDITIONS

Please read the Terms & Conditions carefully before filling the tender.

01. Introduction : -

- 1.1 Interested eligible Tenderers may obtain further information of technical specification, required quantities and other terms and conditions applicable for procurement of item from E-tendering website : <http://www.mahatenders.gov.in>
- 1.2.1 All tender related activities (Process) like Tender Document Download, Tender Preparation and Hash submission, Tender submission and submission of EMD and other documents will be governed by the time schedule.

02. Cost of bidding -

- The tenderer shall bear all costs associated with the preparation and submission of their online tenders and the Purchaser will in no ease be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
3. At any time prior to the deadline for Sale of tender, the Purchaser may amend the tender documents by issuing Addenda / Corrigendum.
 4. To prepare and submit the tender/offer online all bidders are required to have token based Digital Signature and This should be obtained from competent authority. However the e tender website or helpline numbers may guide you for obtaining the same.
 5. The Bid Validity period shall be 120 days from the last date of submission of the Tenderers.
 6. The name of the Manufacturer, details of packing, rate per unit, total cost etc details shall be mentioned in the tender.
 7. The tenderer must quote details of size, make, model, etc clearly along with coloured brochure. In absence of these details, tender will not be considered.
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8. The rates are to be given F.O.R., **Shri Saibaba Hospital, Shirdi** inclusive of all taxes, transportation etc. No extra amount will be paid for packing, forwarding, transportation etc.
 9. After being successful bidder the delivery of the Tendered Items is to be made at SHRI SAIBABA HOSPITAL, SHIRDI on any working days between 10 a.m. and 5 p.m., except Sundays.

10. In the BOQ, the rate of the Product should be mentioned including GST and any other tax applicable and transportation, loading and downloading.
11. Authorised dealer should submit latest copy of authorisation letter of the concerned company / manufacturer, If not submitted tender may be liable for rejection.
12. Online E - Tender will be opened in the presence of tender opening authority through e-tendering procedure.
13. There should be no collusive or fraudulent practice involved in the entire tendering process amongst all the tenders, If so found proper action shall be taken.
14. The tenders shall be evaluated on the basis of Commercial bids.
15. The tenderer will have to supply material along with **Three** copies of bills one copy of delivery challan, if payment is delayed due to Tax invoice Sansthan will not be responsible for it.
16. Wherever an amount is mentioned in figures the same should be clearly written in words also.
17. No escalations, for any reason will be given / allowed in the quoted prices.
18. Substitute or alternative provisions / quotations are not acceptable.
19. In case of breakage / damage in transit, prior to the delivery & unsatisfactory installation to the Sansthan. Supplier will have to replace the same immediately, failing which payment will be stopped until satisfactory replacements or installation. Also adequate penal action may be taken.
20. The Tendered Items should be delivered within stipulated period, If supplier fails to deliver within the stipulated period. The Panel action will be taken as follows.
21. Payment will be made after delivery of Tendered Items after satisfactory installation & working of it, within reasonable period. No advance payment will be made against Installation.
22. No interest will be paid on retention money / security deposit or earnest money deposit.

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23. **While quoting the rates wherever Optional Accessories or the Contents of the set or UPS / Stabiliser etc. is required the price of such extra items should be incorporated in total amount.**
24. **While quoting the rates it should be filled in the on line BOQ only.**
25. The successful tenderers will have to deposit 5% security deposit of the total value of purchase order and no any interest will paid by Sansthan.
26. T.D.S. will be deducted from your bill as per the Government rule applicable.
27. Average annual turnover for the last 3 years should be more than 50 Lakh.

28. Late submitted tender will not be accepted after due date.
29. Shri Saibaba Sansthan Trust, Shirdi reserves the rights to reject any or all the tenders at any stage without assigning any reasons thereof.
30. You have to deposit separate EMD & Tender form fee for each Tender.
31. All the above equipments shall be new and manufactured from vergin materials. All the requirements of this supply shall be sourced from the original equipment manufacturer of the model quoted. In case the machine is imported, no import substitution is permitted neither before the award nor after the award for any part or accessory.
32. Any accessory / accessories not mentioned specifically but required to make system working will have to be supplied without any extra cost.
33. Tenderer has to give annual charges for next five years extended comprehensive Maintenance contract with the same term.
34. Equipment mentioned in the Technical specifications shall operate on 230 V, 50 Hz, single phase electric supply.
35. The necessary protective relaying/circuitry shall be there with the machines.
36. The equipment shall have valid CE marking & USFDA approval and documentary evidence to that effect shall be submitted.
37. **Inspection:**
 - a. The Executive Officer, SSST, Shirdi 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.
 - b. No payment shall be made for rejected Stores. Rejected items must be removed by the Bidders within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

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38. **Documents:**
 - a. The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully confirm to the goods and services specified by the purchaser in the tender documents.
 - b. The bidder shall provide a list of major Government and Private Institutions where its relevant bid item has been supplied during last one year.
39. The equipment shall be having warranty of five years. The warranty and CMC shall cover the batteries and lamps irrespective of whether those are treated as consumables or otherwise.
40. The equipment should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.

41. Repairs and maintenance training to two Biomedical Engineers should be given.
42. The equipment must be tropicalized as below:
 Working temperature : Max. 35° C
 Storage temperature : Max. 50° C
 Relative humidity for Working : 40 - 60 %
 Relative humidity for Storage : Max. 90%
43. The product should be time tested, branded and should be OEM
44. All the suits arising out of the contract shall be instituted in the court of competent jurisdiction situated in Rahata / Kopargaon Court only and not elsewhere.

**CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.**

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Annexure "IV"

Annual Turnover Statement for Three Years

The **Annual** Turnover of M/s. for the past three years are given below and certified that the statement is true and correct.

Sr. No.	Year	Turnover Rs. in Lakhs / Crores
1	2014-15	
	2015-16	

2		
3	2016-17	
	Average of the above Three Years.	

Date:

Seal:

Signature of Chartered Accountant
Name (in capital letters)

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Annexure "V"
Acceptance Letter from Tenderer

DATE: / /2018

TO,
THE CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.
AT PO. SHIRDI - 423 109
TAL - RAHATA,
DIST. AHMEDNAGAR.

**SUBJECT: SUPPLY OF FULLY AUTOMATED HORIZONTAL AUTOCLAVE
FOR SHRI SAIBABA & SHRI SAINATH HOSPITAL, SHIRDI.**

Dear Sir,

Having examined the tender document, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the goods under the above-named Contract in full conformity with the said tender document and our financial offer in the Price schedule submitted in BOQ which is made part of this tender.

We undertake, if our tender is accepted, to deliver the goods in accordance with the delivery schedule specified in the tender document.

If our tender is accepted, we undertake to submit the security deposit in the form DD / RTGS / Current Invoice, and within the times specified in the tender document.

We agree to abide by this tender, for the Tender Validity Period specified in the tender document and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final Contract is prepared and executed between us, this tender together with your written acceptance of the tender, shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any tender you may receive.

Signed:

Date:

Duly authorized to sign this bid for and on behalf of

Thanking you.

Signature & Stamp of Tenderer

Date -

Annexure "VI"

Shri Saibaba Sansthan Trust's Shri Saibaba Hospital, Shirdi

Purchase of Machinery /Equipment / Instrument / Furniture etc.

Name of Tender :		
About Details of EMD UTR		
1	UTR No. of EMD Amount :	
2	Deposited Amount of EMD:	
3	Name of Bank :	
4	Date of Payment :	
About Details of Tender Cost UTR		
1	UTR No. of Tender Form Cost :	

2	Deposited Amount of Tender Cost :	
3	Name of Bank :	
4	Date of Payment :	

Signature & Stamp of
Firm / Company

(Note : If you fails to upload your UTR No. your tender may liable for rejection.)

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Annexure "VII "

Self Declaration

DATE : / /2018

**TO,
THE CHIEF EXECUTIVE OFFICER,
SHRI SAIBABA SANSTHAN TRUST, SHIRDI.
AT PO. SHIRDI - 423 109
TAL - RAHATA,
DIST. AHMEDNAGAR.**

In response to your E-Tender we are submitting our Tender for supply of Machinery /Equipment / Instrument / Furniture etc. on your Website. I / We hereby declare that our firm has not been found guilty of malpractice / misconduct / black listed / debarred either by health by Public Health Dept., Govt. of Maharashtra or by any local authority and other State Govt. / Central Govt. Organisation in past three years for the quoted items in the Tender.

Signature & Stamp of Tenderer

Date -

(Tenderer will have to upload self-affidavit on their Letter Head with Authorise Person signature and stamp.)

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**SHRI SAIBABA HOSPITAL, SHIRDI
TECHNICAL SPECIFICATION WITH COMPLIANCE REPORT**

Annexure "VIII"

**FULLY AUTOMATED HORIZONTAL AUTOCLAVE FOR SHRI SAIBABA
& SHRI SAINATH HOSPITAL, SHIRDI.**

(Preferred Make: - M. Shah & Co., Modi, Steam Technology or Equivalent)

(Tender Cost – 3000/- & Earnest Money Deposit – 50,000/-)

Sr. No.	Description of Work / Item(s)	Qty.	We Comply
1	<p><u>Fully Automated Horizontal Autoclave</u></p> <ul style="list-style-type: none">Fully automated Horizontal Autoclave is required for +- CVTS surgery OT. It should be best suited for rapid sterilization of all type of material/ instruments. <p>Features:</p> <ul style="list-style-type: none">Control:<ul style="list-style-type: none">LED display to show the name of current process, current Temp. and Pressure in the chamber, time elapsed and pending to complete the current Process.Electrical safety should be taken while doing wiring of control panel and there should not be possibility of electrical short circuit.All wirings and switches, Solenoids and gauges used should have ISI mark and tested for the purpose and max. range of parameters it will be used.	1	

- There should be provision to use the Autoclave manually if there is any failure in the controlling electrical/electronic circuitry.
- The control panel should be suitably fitted/mounted with Autoclave and there should not be requirement of separate mounting/stand for it.
- The control panel should be provided with suitable UPS power back up so that it should complete the process continuously even if there is power failure.
- Multiport operating Valve should be provided to control the entire cycle of operation
- Two exhaust speed should be available -fast & low
- Compound gauge to be provided for chamber & pressure gauge for the jacket
- Operation should be easy & smooth
- **Safety Features:**
 - Self locking safety door; it should not open while chamber is under pressure
 - Gauge, glass tube with automatic closing safety valve
 - Heat resistant Silicone door gasket should be provided
 - Solenoid Pressure switches should be provided to economize power consumption
 - Low water protection system should be incorporated to protect the electric heaters
 - Temperature gauge/Digital Temp. Indicators/controllers should be provided
 - Vacuum breaker/dryer should be provided
 - Safety valve for jacket & boiler should be provided
 - For drying, powerful ejector should be provided
 - Machine should be insulated with resin bond fiber glass wool covered with M.S./S.S.304 sheet
- **Chamber & Jacket:**
 - Thickness of chamber of sterilizer shall be minimum 6mm and to be made of stainless steel 316 quality is capable to withstand the negative pressure (vacuum) of 24-26" Hg created by the vacuum pump.
 - Thickness of door of sterilizer shall be minimum of 12mm and to be made of stainless steel 316 quality.
 - Sterilizer jacket shall be made of Boiler quality steel plate 304 with a material thickness of 6-8mm.
 - All joints should be Arc welded
 - It should be Hydraulically tested to 2.5 times the designed working pressure
 - Working Pressure: max. 32 PSI
 - Working Temperature: 134 Degree

	<ul style="list-style-type: none"> • Max. Power consumption: 440 V, 50 Hz, 18 KW • Chamber capacity: 4 Drums of 12" x 15" • Cycle time: Max. 35 min, preheating time- 20 min., actual cycle time should be less than 20 min. • Doors: <ul style="list-style-type: none"> • The door should be constructed of heavy duty M.S. (Boiler Quality) /304/316 grade stainless steel. • It should be Single door, Manually operated hinged door, with radial locking using shooting bolts having high pressure locking safety facility and made of good quality stainless steel 304 quality . Should provide heat resistant SILICON door gasket withstand upto 140 Deg. C. • Door safety features: A special safety device feature should be provided to prevent the operator from opening doors in the following circumstances. <ul style="list-style-type: none"> 1) When chamber is pressurized 2) If the temp. in chamber is above safety level 3) Door locking facility, Low water protection system, Pressure cut off facility and all other necessary safety features. 4) Piping: The pipes & fittings should be made of stainless steel & brass. 5) Stand shall be made of Mild steel with anticorrosion paint. <p>The valves should be ball type electrical solenoid Manually & electrically operated (automatic)</p> • Mounting: The sterilizer should be supplied in following mounting alternatives: A flush mounted panel, free standing with & without cabinet. • Panel: All sterilizer should be fitted with powder coated / stainless steel panels. Special panel design can be supplied according to user requirements • Heating: The sterilizer should be heated by steam. The steam can be supplied from electric stainless steel steam generator. • 1 HP Vacuum Pump to be provided for efficient Vacuum. Final sterilized material/ Instruments should come dry after the cycle. Vacuum Pump fitted with suitable stainless steel condenser, piping's and pipes to enable efficient drying with the use of the Vacuum pump. • Equipment shall have no sharp edges, will be securely mounted and would provide adequate protection against moving and electrically energized parts. • Controls (e.g. switches, knobs) shall be visible and clearly identified. • Labels and markings shall be clear and visible. • Auto water filling pressure pump of 0.5 HP should be provided 		
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	<ul style="list-style-type: none"> • AUTOMATIC OPERATION WITH PRINTER: • (A) The sterilizer shall be fitted with suitable PLC (Microprocessor) for fully automatic cycle operation instead of manual operating valve with following Features: • (i) PLC based microprocessor which is incorporated with the sterilizer. • (ii) Digital displays of Chamber Pressure, temperature, cycle no., Batch no., Time & date, alarm indicator, Low water indicator. • (iii) Provision of 'error code analysis' inbuilt, Leak test, Bowie & Dick and Standard Process. • (B) Printer: Printer that shall automatically and continuously monitor and record dates, time of day, load, identification no. and operating parameters. • Autoclave should work on automation, works through sequential Timer & Solenoid Valves considering safety at each step. • Autoclave should work on both Auto and Manual mode • The unit shall be capable of being stored continuously in ambient temperature of 0-50 Deg.C and relative humidity of 15-90%. • STANDARDS & SAFETY: • (A) The unit should be manufactured as per IS specifications Mark ISI:3829 and also should bear the certification. • Necessary operational training / day-to-day maintenance training shall be imparted to our staff after commissioning of the equipment at site. • The product should be time tested, branded and should be OEM • All Technology should be mandatorily with safety approval - CE / UL. Approval certificate is to be submitted in addition to CE Certificate for the total unit. • Warranty- 5 Years • AMC/CMC Cost- AMC/CMC Cost should be including Taxes. It should be fixed for next 5 years. • Cost of Consumables like Door Gasket, Boiler tank Gasket, Heater washers, Heater coils, Bellow plate, Bellow plate washers, Solenoids & others to be fixed for warranty period. 		
2	<p style="text-align: center;"><u>Fully Automated Horizontal Autoclave</u></p> <ul style="list-style-type: none"> • Fully automated Horizontal Autoclave is required for General surgery OT. It should be best suited for rapid sterilization of all type of material/ instruments. <p>Features:</p> <ul style="list-style-type: none"> • Control: <ul style="list-style-type: none"> • LED display to show the name of current process, current Temp. and Pressure in the chamber, time elapsed and pending to complete the current Process. 	2	

- Electrical safety should be taken while doing wiring of control panel and there should not be possibility of electrical short circuit.
- All wirings and switches, Solenoids and gauges used should have ISI mark and tested for the purpose and max. range of parameters it will be used.
- There should be provision to use the Autoclave manually if there is any failure in the controlling electrical/electronic circuitry.
- The control panel should be suitably fitted/mounted with Autoclave and there should not be requirement of separate mounting/stand for it.
- The control panel should be provided with suitable UPS power back up so that it should complete the process continuously even if there is power failure.
- Multiport operating Valve should be provided to control the entire cycle of operation
- Two exhaust speed should be available -fast & low
- Compound gauge to be provided for chamber & pressure gauge for the jacket
- Operation should be easy & smooth
- **Safety Features:**
 - Self locking safety door; it should not open while chamber is under pressure
 - Gauge, glass tube with automatic closing safety valve
 - Heat resistant Silicone door gasket should be provided
 - Solenoid Pressure switches should be provided to economize power consumption
 - Low water protection system should be incorporated to protect the electric heaters
 - Temperature gauge/Digital Temp. Indicators/controllers should be provided
 - Vacuum breaker/dryer should be provided
 - Safety valve for jacket & boiler should be provided
 - For drying, powerful ejector should be provided
 - Machine should be insulated with resin bond fiber glass wool covered with M.S./S.S.304 sheet
- **Chamber & Jacket:**
 - Thickness of chamber of sterilizer shall be minimum 6mm and to be made of stainless steel 316 quality is capable to withstand the negative pressure (vacuum) of 24-26"Hg created by the vacuum pump.
 - Thickness of door of sterilizer shall be minimum of 12mm and to be made of stainless steel 316 quality.

	<ul style="list-style-type: none"> • Sterilizer jacket shall be made of Boiler quality steel plate 304 with a material thickness of 6-8mm. • All joints should be Arc welded • It should be Hydraulically tested to 2.5 times the designed working pressure • Working Pressure: max. 32 PSI • Working Temperature: 134 Degree • Max. Power consumption: 440 V, 50 Hz, 18 KW • Chamber capacity: 4 Drums of 12" x 15" • Cycle time: Max. 35 min, preheating time- 20 min., actual cycle time should be less than 20 min. • Doors: <ul style="list-style-type: none"> • The door should be constructed of heavy duty M.S. (Boiler Quality) /304/316 grade stainless steel. • It should be Single door, Manually operated hinged door, with radial locking using shooting bolts having high pressure locking safety facility and made of good quality stainless steel 304 quality . Should provide heat resistant SILICON door gasket withstand upto 140 Deg. C. • Door safety features: A special safety device feature should be provided to prevent the operator from opening doors in the following circumstances. <ul style="list-style-type: none"> 1) When chamber is pressurized 2) If the temp. in chamber is above safety level 3) Door locking facility, Low water protection system, Pressure cut off facility and all other necessary safety features. 4) Piping: The pipes & fittings should be made of stainless steel & brass. 5) Stand shall be made of Mild steel with anticorrosion paint. The valves should be ball type electrical solenoid Manually & electrically operated (automatic) • Mounting: The sterilizer should be supplied in following mounting alternatives: A flush mounted panel, free standing with & without cabinet. • Panel: All sterilizer should be fitted with powder coated / stainless steel panels. Special panel design can be supplied according to user requirements • Heating: The sterilizer should be heated by steam. The steam can be supplied from electric stainless steel steam generator. • 1 HP Vacuum Pump to be provided for efficient Vacuum. Final sterilized material/ Instruments should come dry after the cycle. Vacuum Pump fitted with suitable stainless steel condenser, piping's and pipes to enable efficient drying with the use of the Vacuum pump. • Equipment shall have no sharp edges, will be securely mounted 	
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	<p>and would provide adequate protection against moving and electrically energized parts.</p> <ul style="list-style-type: none"> ● Controls (e.g. switches, knobs) shall be visible and clearly identified. ● Labels and markings shall be clear and visible. ● Auto water filling pressure pump of 0.5 HP should be provided ● AUTOMATIC OPERATION WITH PRINTER: ● (A) The sterilizer shall be fitted with suitable PLC (Microprocessor) for fully automatic cycle operation instead of manual operating valve with following Features: ● (i) PLC based microprocessor which is incorporated with the sterilizer. ● (ii) Digital displays of Chamber Pressure, temperature, cycle no., Batch no., Time & date, alarm indicator, Low water indicator. ● (iii) Provision of 'error code analysis' inbuilt, Leak test, Bowie & Dick and Standard Process. ● (B) Printer: Printer that shall automatically and continuously monitor and record dates, time of day, load, identification no. and operating parameters. ● Autoclave should work on automation, works through sequential Timer & Solenoid Valves considering safety at each step. ● Autoclave should work on both Auto and Manual mode ● The unit shall be capable of being stored continuously in ambient temperature of 0-50 Deg.C and relative humidity of 15-90%. ● STANDARDS & SAFETY: ● (A) The unit should be manufactured as per IS specifications Mark ISI:3829 and also should bear the certification. ● Necessary operational training / day-to-day maintenance training shall be imparted to our staff after commissioning of the equipment at site. ● The product should be time tested, branded and should be OEM ● All Technology should be mandatorily with safety approval - CE / UL. Approval certificate is to be submitted in addition to CE Certificate for the total unit. ● Warranty- 5 Years It should include PMS visits -4 Nos. and unlimited Breakdown call and calibration whenever necessary free of cost. ● AMC/CMC Cost- AMC/CMC Cost should be including Taxes. It should be fixed for next 5 years. ● Cost of Consumables like Door Gasket, Boiler tank Gasket, Heater washers, Heater coils, Bellow plate, Bellow plate washers, Solenoids & others to be fixed for warranty period. 		
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Note: - Please tick mark if you are complying our specification, if there is any deviation then Write in each row.

Signature and Stamp of the Tenderer

**Medical Director
Shri Saibaba Sansthan Hospital Shirdi**