

05.02.2019

TAMILNADU MEDICAL SERVICES CORPORATION LTD.,

**TENDER FOR FIXING RATE CONTRACT FOR SUPPLY AND INSTALLATION OF
FLASH AUTOCLAVE TO VARIOUS GOVT. INSTITUTIONS**

TENDER NO.417/ACL/NHM/TNMSC/ENGG/2018, DT.07.01.2019

CORRIGENDUM

a) The following corrigendum are issued:-

Sl. No.	Tender document reference	Instead	Read as
1.	Page No.1,3 & 5	Tender for fixing rate contract for supply and installation of Flash Autoclave to various Govt. Institutions	Tender for fixing rate contract for supply and installation of Flash Autoclave and Horizontal Rectangular Horizontal Sliding Single Door Sterilizer with Fully Automatic Cycle Operation and Printer to Dept. of Plastic Surgery, Govt. Stanley Medical College, Chennai.
2.	Page No.52 to 55 Section V: Schedule of Requirement	Existing Text	Revised Text at Annexure - I
3.	Page No.57 to 58 Section VI: Technical Specification	Existing Text	Revised Text at Annexure - II
4.	Page No.59 to 61 Section VI A: Qualification Criteria	Existing Text	Revised Text at Annexure - III
5.	Page No.64 Section VII: Bid Form and Price Schedule	Existing Text	Revised Text at Annexure - IV

The following due date is extended:-

Sale of bidding document	: up to 18.02.2019
Last date and time for receipt of bids	: 19.02.2019, 11.00 AM
Date and time of opening of bids	: 19.02.2019, 12.00 Noon

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall attach the copy of this corrigendum duly signed by their authorized signatory, in their bid.

**Sd/-
General Manager (E)**

**SECTION – V - REVISED
SCHEDULE OF REQUIREMENTS**

Sch. No.	Brief Description	Unit	Qty.	Bid security (Rs.)
1.	Flash Autoclave as per specification	Nos.	50	Rs.1,00,000/-
2.	Horizontal Rectangular Horizontal Sliding Single Door Sterilizer with Fully Automatic Cycle Operation and Printer (900 litres) as per specification	No.	1	Rs.21,000/-

Delivery Schedule: - 60 days from the date of purchase order and for increased quantity the delivery period will be increased proportionately.

Place of Delivery:- The above equipment should be delivered at

Sch. No.	Description	Place of Delivery
1.	Flash Autoclave	The delivery places will be intimated at the time of Placement of order.
2.	Horizontal Rectangular Horizontal Sliding Single Door Sterilizer with Fully Automatic Cycle Operation and Printer (900 litres)	Department of Plastic Surgery, Govt. Stanley Medical College Hospital, Chennai.

Note :

- 1) The rate contract should be valid for a period of 2 years from the date of acceptance of the tender and extendable for further period on mutual acceptance.
- 2) The quantity indicated is tentative and will vary as per the actual requirement during the rate contract period. The supplier should have no claim against the purchase on the actual quantity of orders placed during the rate contract period.
- 3) During the rate contract period, further quantity may be ordered for any other Govt. Medical Institutions at the same rate and terms & conditions.

SECTION VI: TECHNICAL SPECIFICATION – REVISED

1. SPECIFICATION FOR FLASH AUTOCLAVE

1. Should be a table top autoclave for Dental and ophthalmic applications.
2. Two automatic programmes approx. at 2.2 bar at 134 degrees C and 1.1 bar at 121 degree C. The equipment should have automatic pressure control switch / automatic water control devise to ensure that the equipment does not run dry.
3. Should have flash cycle for rapid sterilization and should have an option for liquid cycle.
4. Should have Air Pump for closed door drying.
5. Should have rapid warm up facility. Built in reservoir to store water required to produce steam, and used water separately or easy decantation.
6. The system should be equipped with required safety features. The door should have double locking safety feature and should open only with atmospheric pressure in the chamber.
7. Should have automatic cut-off to prevent overheating and cut-off for insufficient water, the machine should not start without sufficient water.
8. Should have a minimum chamber capacity of 19 litres or above.
9. Should have pressure display and temperature display.
10. Unit should function with 200-240Vac. 50/60 Hz input power supply.
11. The system should comply with National Quality certification or international standards for sterilization safety.
12. Following accessories should be supplied along with the equipment.
 - 1 set of 3 removable shelves – Stainless steel
 - 1 instrument basket – stainless steel.
 - 1 set of 2 Drum for sterilization – stainless steel.
 - 1 Roll of sterilization indicator.
 - 1 box paper sheet 100 nos crepe for sterilization packs.
 - 2 spare silicone gaskets.
 - 1 sets of spare fuses.

13. Equipment should be provided with a line cord (Power cord) of acceptable durability quality, length and current carrying capacity and should be compatible with Indian standard power socket.
14. Controls should be visible and clearly defined.
15. Labels and markings should be clear and visible.
16. Should have safety certificate from a competent authority CE/FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL copy of the certificate / test report shall be produced along with the technical bid.
17. Should have air filters.
18. Gaskets should be replaced at free of cost whenever required in the comprehensive Warranty and CAMC period

2. SPECIFICATION FOR HORIZONTAL RECTANGULAR HORIZONTAL SLIDING SINGLE DOOR STERILIZER WITH FULLY AUTOMATIC OPERATION AND PRINTER (900 LITRES)

- Electrically operated, Horizontal rectangular high pressure high vacuum horizontal sliding single door sterilizer.
- This type of automatic sterilizer is a mark of quality standards combined with the upgraded technology providing sophistication in the methods of sterilization.
- Automatic Feed Water Pump: The equipment will have a water pump to draw the water, automatically, when needed in the boiler.

Chamber:

- Internal size: 660 mm width x 910 mm height x 1525 mm length
- Chamber Volume: 900 Litres approx.
- MOC: Stainless steel SS 316 quality.
- Operating Pressure: 1.2-2.1 Kg/cm² with full vacuum
- Operating Temperature: 121-134°C

Jacket: Boiler quality steel

Insulation:

- Type: Mineral Insulation
- Insulation cover material: Stainless steel SS 304

Door

- Type: Sliding type, quantity: 1 no.
- Material: Made of Stainless steel SS 316 quality.
- Automatic operated Double Door (one door on the sterile side and other door on the unsterile side). The doors are pneumatically operated to open and close the chamber with a Horizontal movement.
- Door Gasket: Heat resistant silicon gasket.
- Solenoid valves for Door operation and door interlocking: Avcon make or equivalent.

Steam Generator

- MoC: Stainless steel SS 304
- Type: Immersion Heaters; capacity: 36kW
- Control: High & Low pressure cut off

Vacuum pump:

- Make: New Genre/Vindi vak, Type: water ring; capacity: 5 HP
- Condenser Shell & Tube: Made of stainless steel SS 304

Validation port: Quantity: 2 nos. will be provided.

Other fittings:

- Pressure Gauge: Range: 0 to 6 Kg/Cm²
- Compound Gauge: Range: 1 to 6 Kg/cm²
- Pressure Transmitter: Siemens make or equivalent
- Contactor: Siemens make or equivalent
- Pressure switch: Indfos make or equivalent
- Steam Trap: spirax make or equivalent
- Auto feed water pump: Crompton make or equivalent
- Piping interconnecting: Made of stainless steel SS 304
- Hydraulic test: Both the inner chamber and the jacket will be tested hydraulically.
- Print parameter: Print will give the temperature, pressure, cycle process and time; also F0 values;

Automation: The Heart of the system is PLC based microprocessor with the facility of HMI which is incorporated with the sterilizer (instead of manual operating valve).

It will have eight programmed cycle:

1. High pressure high vacuum @ 121°C
2. High pressure high vacuum @ 134°C
3. Gravity @ 121°C
4. Gravity @ 134° C
5. Liquid @ 121° C
6. User defined
7. Bowie dick test
8. Vacuum leak test

The Microprocessor based control panel will control entire cycle of sterilization and steam pulsing automatically through water ring vacuum pump. The control panel will house the complete automatic process control arrangement including timers, relays, contactors etc.

The digital displays:

- Chamber pressure
- Chamber temperature
- Cycle no.
- Batch no.
- Time & Date
- Alarm Indicator
- Error code
- Low water indicator

Features of HMI

- Colour touch screen HMI
- Provision of 'error code analysis' inbuilt.
- Password protection for security
- RS232 port for data communication
- In-built real time clock with date and time function.
- F₀ value provision.

Printer: Printer that will automatically and continuously monitor and record dates, time of day, load, identification no. and operating parameters i.e. temperature, pressure and residence time, throughout the length of the autoclave cycles.

Instrumentation:

- Microprocessor: Siemens Make or equivalent
- HMI: Siemens Make or equivalent
- Printer: Epson Make or equivalent

Safety features & Alarms

Door Safety:

- Door should not open when the process is ON
- Process should not start either in auto or manual if either side is open.

Alarms:

- If chamber leak test failed.
- If temperature chamber overshoots
- If chamber temperature rises above the set value.
- Vacuum pump trip
- Sterilization timer stop in case of temperature drop.
- Sterilization timer reset in case of temperature drop.

The system will be designed, primarily, for carrying out the following:

- Vacuum leak test
- Bowie & dick process
- Standard process
- High pressure and High vacuum process – vacuum holding

Standards: CE

- The sterilizer will follow the standard of cGMP norms and cover HTM 2010, EN-285 codes.

Documentation

- Installation Qualification (IQ)
- Operation Qualification (OQ)
- Design Qualification (DQ)
- Performance Qualification (PQ)
- Hydraulic Test Certificate

- Material Test Certificate
- Gauge Calibration certificate
- Master gauge calibration certificate
- User Manual in English
- Warranty certificate

Note: Bidders shall furnish technical compliance statement for the model quoted , details of manufacturer including deviations if any. Technical catalogue /data sheet shall also be furnished in support of technical compliance statement with out fail.

SECTION VI-A : QUALIFICATION CRITERIA - REVISED

(Referred to in Clause 11.2 of ITB)

For determining the lowest-evaluated bid, the Purchaser shall carry out the post qualification of the Bidder in accordance with ITB Clause 11.2, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

1. Manufacturer Bidders

- (i) *The bidder must have manufactured and supplied satisfactorily the similar model **quoted** in each schedule of the Schedule of Requirements either directly or through of any other authorized dealer to the extent of at least 1 No. for Sl. No.1 & 2 under "Section – V, Schedule of Requirements" in any one of the last five years **of which minimum 1 No. for Sl. No.1 & 2 should have been supplied to Indian Institution** and should be in use satisfactorily with no adverse report for at least one year preceding the date of bid opening.*
- (ii) *The Bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the manufacture and supply of the required equipment within the specified time of completion after meeting all their current commitments.*
- (iii) *The bidder should clearly confirm that all the facilities exist in his factory for inspection and testing and these will be made available to the purchaser or his representative for inspection.*

2. Non- Manufacturer Bidders

*In the case of a Bidder offering to supply Goods under the Contract that the Bidder does not manufacture or otherwise produce, **the Bidder should be duly authorized by the manufacturer of the Goods who meets the criteria under (1) above** (all supporting documents/information as asked above for manufacturer shall be submitted with the bid) and*

- a) *The manufacturer furnishes a legally enforceable authorization in the prescribed Form [Section XI] assuring full guarantee and warranty obligations as per GCC and SCC for the goods offered; and*
- b) *The bidder, as authorized by the manufacturer, must have supplied and provided after sales service to the extent of at least 1 No. for Sl. No.1 & 2 of the quantities of **similar model** in the Schedule of Requirements in any one of the last five (5) years **to Indian Institution**, which must be in satisfactory operation at least for one year on the date of bid opening.*

3. Common to Both Manufacturer and Bidder

(i) The information on past supplies and satisfactory performance should be given in the Proforma given under Section-X.

(ii) Documentary evidence (end users certificate) in support of the satisfactory operation of the goods as specified above shall invariably furnished.

(iii) Data to support that the manufacturer has the financial and production capacity to perform the contract and complete the supplies within the stipulated delivery period shall be furnished. for the non-manufacturer bidder data to support that he has the financial capacity to perform the contract and complete the supplies within the stipulated delivery period shall be furnished. Reports on financial standing shall be in the form of profit and loss statements, balance sheets and auditors report for the past three years, bankers certificate, etc.,

a) The bidder should have a manufacturing capacity of at least 450 Nos. for Sl. No.1 and 9 Nos. for Sl. No.2 similar capacity machines per annum certified by licensing authority/ chartered accountant.

b) The annual sales turnover for the bidder should be at least Rs.115.00 lakhs for Sl. No.1 and Rs.21.00 lakhs for Sl. No.2 in any one of the last three years (2015-2016 to 2017-2018), and it should be certified by the chartered accountants.

c)The bidder should have a cash/ credit limit of at Rs.28.75 lakhs for Sl. No.1 and Rs.5.25 lakhs for Sl. No.2 with their bankers exclusively for this contract and a certificate for the above shall be furnished by the bankers.

(iv) Further, the manufacturer should be in continuous business of manufacturing / supplying and after sale services of products similar to that specified in the 'Schedule of requirement' during the last 5 years prior to bid opening. In case of non-manufacturer bidders, this condition should be satisfied by the manufacturer of the product.

1 The legal status, place of registration and principal place of business of the company or firm or partnership, etc.;

Notwithstanding anything stated above, the purchaser reserves the right to assess the bidder's capabilities and capacity to execute the contract satisfactorily before deciding on award

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or record of poor performance such as, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

Note:

1) The above post qualification requirements are to be met by the bidder (in case of manufacturer bidders) and the bidder and the manufacturer respectively (in case of non manufacturer bidders) and qualification of group/sister/parent companies will not be considered for meeting the above requirement.

2) For the purpose of furnishing documentary evidence to meet the post qualification criteria, the bidder should furnish the following:

- a. The supply made to public sector/Government units in India/private sector, the bidder should submit an affidavit confirming that the performance statement given is correct along with copy of purchase order, copy of invoices, proof of payment received from Purchasers, documentary evidence (end user certificate) in support of satisfactory completion of orders and function as stated above.”*
- b. The foreign manufacturer is permitted to submit an affidavit in their letter head duly signed by the authorized signatory of the manufacturer confirming that the performance statement given is correct.*

PRICE SCHEDULE - REVISED

1	2	3	4	5					6	7	8
				PRICE FOR EACH UNIT							
Sch No.	Item Description	Country of origin	Quantity & Unit	Ex-factory Ex-warehouse Ex-showroom off-the shelf for CIF (a)	Packing & forwarding (b)	Inland transport, Insurance and Incidental costs incidental to delivery (c)	Incidental services as listed in clause 7 of SCC (d)	Customs duty (e)	Unit price a+b+c+d+e	Total price per schedule for delivery at final destination (4 x 6)	GST – IGST/CGST/ SGST payable if contract is awarded
1.	Flash Autoclave as per specification		50 Nos.								
2.	Horizontal Rectangular Horizontal Sliding Single Door Sterilizer with Fully Automatic Cycle Operation and Printer (900 litres) as per specification		1 No.								

i. Unit price in (6) (Rs. in words)

1. Flash Autoclave as per specification with HSN Code/rate of GST.....
2. Horizontal Rectangular Horizontal Sliding Single Door Sterilizer with Fully Automatic Cycle Operation and Printer (900 litres) as per specification with HSN Code/rate of GST.....

a) Annual Maintenance Charges (labour only) per year /per unit for 7 years after 3 years free warranty maintenance period

1. Flash Autoclave as per specification with HSN Code/rate of GST.....
2. Horizontal Rectangular Horizontal Sliding Single Door Sterilizer with Fully Automatic Cycle Operation and Printer (900 litres) as per specification with HSN Code/rate of GST.....

b) Annual Maintenance Charges (Comprehensive) for 7 years / per year / per unit after free warranty maintenance period

1. Flash Autoclave as per specification with HSN Code/rate of GST.....
2. Horizontal Rectangular Horizontal Sliding Single Door Sterilizer with Fully Automatic Cycle Operation and Printer (900 litres) as per specification with HSN Code/rate of GST.....

Note:

- (a) In case of discrepancy between unit price and total price, the unit price shall prevail.
- (b) **This price schedule should be placed in separate sealed cover “Cover B”**
- (c) **GST applicable for Annual Maintenance Charges shall be indicated separately.**
- (d) **The bidder should indicate the HSN code of the equipment/ service and applicable GST rates.**
- (e) **The bidder should quote for the prices separately from column 5(a) to 5(e) and should not state “as inclusive”.**

Place : _____ Signature of Bidder.....

Date : _____ Name

Business Address