

All Bidders**Amendment -X**

Subject: Supply, Installation, Testing and Commissioning of CSSD Equipments at Surgical Block, All India Institute of Medical Sciences (AIIMS), New Delhi.

IFB No. : HSCC/SES/CSSD/Surgical/AIIMS/2015

This has reference to above IFB No. for the Subject works.

The following Amendment may be noted which shall be treated as part of the contract to be submitted duly signed & stamp along with tender.

CSSD AIIMS SURGICAL BIDDERS QUERY

Sr. No.	Bidder's Query	Clarification/Amendment
	M/s HOSPICAMED ASSOCIATES PVT. LTD.	
1.	The completion time for the project given is four months which is on a very tight side this may kindly be made 6 months to be realistic and to avoid delays in the execution.	Tender Terms Prevail. Completion period will be 4 months.
2.	Horizontal sterilizer 550-600 Ltrs (8STU) <ul style="list-style-type: none"> a) Point 2 under construction (b); Surface treatment : The internal surface Polished to less than 0.2 microns may please be changed to 0.4 microns as 0.2 is specific to Lab use and not in Hospital CSSD and is specific to a particular make who primarily work in the Lab field. b) The touch screen display may please be kept as 5" or above. We use symbols in our display which are large enough to be seen even from distance which in other systems due to alphanumeric display can't be seen in 8" screen as clearly as in ours with a smaller screen. c) The printer at point (i) under cycle documentation is ink type which is also very specific, this may kindly be replaced with non-fading thermal printer. If our original paper is used we can guarantee non-fading of the printouts for 9-10 years in our thermal printer. d) The installed base asked for should be equal to the quantity required under this tender and not higher in an arbitrary 	<ul style="list-style-type: none"> a) The internal surface polished 0.2 to 0.4 microns b) Touch screen display 5" to 8" c) Ink type Printer/Non fading Thermal Printer d) Deleted

	manor. This may please be changed from 5 nos. to 3 nos. at point (q) .	
3.	<p>Horizontal Sterilizer 100-125 Ltrs (2 STU)</p> <p>a) The touch screen display may please be kept as 5” or above. We use symbols in our display which are large enough to be seen even from distance which in other systems due to alphanumeric display can’t be seen in 8” screen as clearly as in ours with a smaller screen.</p> <p>b) The printer at point (i) under cycle documentation is ink type which is also very specific this may kindly be replaced with non-fading thermal printer. If our original paper is used we can guarantee non-fading of the printouts for 9-10 years in our thermal printer.</p> <p>c) The installed base asked for should be equal to the quantity required under this tender and not higher in an arbitrary manor. This may please be changed to 2 nos. from 10 nos. at point (o)</p>	<p>a) Touch screen display 5” to 8”</p> <p>b) Ink type Printer/Non fading Thermal Printer</p> <p>c) Deleted</p>
4.	<p>Table Top Sterilizer</p> <p>a) The chamber in table top sterilizers are normally made in SS304 and not 316 L as desired. This may please be changed accordingly for wider participation.</p> <p>b) The type of steam generator is also very specific to a brand which may please be asked for without specifying what type it should be. In any ways it is a small energy consuming device unlike large sterilizers.</p>	<p>a) SS304/SS316L</p>
5.	<p>Washer Disinfecter 300-360 Ltrs (15 DIN tray)</p> <p>a) At point 2 it is desired to have two dryer blower pumps and two water circulation pumps. In olden days when strong and reliable systems were not there some companies used to put in two pumps for safety. Now a days only single system which is strong and reliable is used by most companies except a few ones who are still holding on to the old cheaper pumps. This may please be changed to two or one so that they are also in the race.</p> <p>b) The screen in washers in normally monochrom and not multicoloured this may please be changed to Monochrom/ Multicoloured.</p> <p>c) Most washers work either on internal heater/boiler or Steam Network for heating the water only one particular make uses both. This may also be changed to Internal Heater or Hospital Steam Network. Moreover in all the sterilizers only in built steam generators are asked for and accordingly hospital will not put a central steam network</p>	<p>a) Tender terms prevail</p> <p>b) Monochrom/ Multicoloured</p> <p>c) Internal heater</p>

	<p>only for the washers.</p> <p>d) At point 5 b it is desired to have pneumatic valves which is also old technology where as most systems including ours today come with electro-pneumatic valves. This may please also be changed accordingly.</p> <p>e) At point 5m a barcode tracking device is asked for which is normally never taken in washers we have a latest RFID system for batch identification and automatic program selection which is an option taken by less than 0.1% customers even in Europe as it is not very useful. It only works in as a lock in specification at a cost not yielding any advantage. This may please be deleted ideally or RFID may please be asked for optionally.</p> <p>f) At point 5(O) the self cleaning debris filter is also not a useful solution and hence leaving aside one company everybody else has stopped using these. These filters are never able to get perfectly cleaned and much expensive as a replacement not giving any advantage. This point may also please be deleted to make the specs ok for all. We give a fine filter which is inexpensive and can be changed at regular intervals under PM protocol.</p> <p>g) At point 7 Ink type printer is asked for which may please be replaced with non-fading thermal printer which are more compact and trouble free. With our paper we can give guarantee for 10 years non-fading.</p> <p>h) At point 8 Stop valves, anti suction device etc. are asked for which is an old technology. We use unrestricted air gaps as per EN1717 category 5 type AA standards. This is from a specific make and may please be deleted.</p>	<p>d) Electro-pneumatic valves/ pneumatic valves should be provided</p> <p>e) Barcode tracking device/ RFID shall be provided</p> <p>f Self cleaning debris filter/Fine filter (to be changed in regular interval)</p> <p>g) Ink type Printer/Non fading Thermal Printer</p> <p>h)Stop valves, anti suction device etc. /unrestricted air gaps as per EN1717 category 5 type AA standards.</p> <p>Washer disinfectors & Ultrasonic cleaners should have appropriate sized trays and cleaning cycles to clean laparoscopy instruments including bariatric instruments ie. Instruments up to 45cm long with facility to clean inside the instruments lumen as well.</p>
<p>6.</p>	<p>LTSF Sterilizer</p> <p>The specifications for a combined LTSF and High Temperature Steam sterilizer are from a specific company and only one company can supply this kind of LTSF system. Moreover, you</p>	<p>Low temperature sterilizer by Formaldehyde without high temperature</p>

	<p>are buying 5 high temperature steam sterilizers under this tender and it would anyways be better to go for a separate only low temperature LTSF system as once you run a high temperature cycle it takes about 4 hrs for the chamber to cool down for a LTSF cycle. It would be good for the institute if you propose a specialized LTSF system rather than a combined LTSF and High Temperature steam system.</p>	<p>steam sterilizer /Hydrogen peroxide (H2O2) gas with or without plasma, two doors (chamber size 100 to 150l)</p>
7.	<p>Ultrasonic cleaner Most ultrasonic cleaners come in SS 304 and not 316 SS grade. To offer level playing ground to other vendors the tank of ultrasonic cleaner may please be demanded in SS304.</p> <p>We request you once again to consider these points in light of current trends and latest technologies available in the market for wider participation and oblige. We also request you to kindly extend the due date of the tender suitably to enable us to send in our bids.</p>	<p>Material of the tank of Ultrasonic Cleaner shall be SS 304</p> <p>Due date has been extended till 05.05.2016.</p>
M/s Med Freshe		
8.	<p>Item No. 1 - Horizontal Sterilizer 550-600 Litres (8 STU) with accessories Page No. 152: To be edited in point (q):</p> <p>Should have at least 5 sterilizers working in India for the last three years</p> <p>Bidders Query:- To be replaced with :</p> <p>The manufacturer should have minimum 10 sterilisers running in India for the last 3 years to prove its longevity and quality.</p> <p>The bidder if an authorised distributor, they should have supplied at least fifteen steam sterilisers of any make within India.</p> <p>Remarks:- Required for the betterment of the product.</p>	<p>5 sterilizers deleted</p>
9.	<p>Item No. 2 - Sterilizer 100-125 Litres (2 STU) With Accessories: Page No. 152:</p> <p>Item No. 2 - Sterilizer 100-125 Litres (2 STU) With Accessories: Bidders Query:- To be changed with</p> <p>Item No. 2 - Sterilizer 150-175 Litres (2 STU) With Accessories: Remarks:- Required for the betterment of the product.</p>	<p>Sterilizer 80-100 Litres (2 STU) With single door and Accessories</p>

10.	<p>Item No. 4 - Washer Disinfector 300-360 Litre (15 Din Trays) with accessories: Page No. 154: Item No. 4 - Washer Disinfector 300-360 Litre (15 Din Trays) with Accessories: Bidders Query:- To be changed with Item No. 4 - Washer Disinfector 350-375 Litre (15 Din Trays) with Accessories: Remarks:- Required for the betterment of the product.</p>	<p>Washer Disinfector 350-375 Litre (15 Din Trays) with Accessories:</p>
11.	<p>Page No. 165 Point 5 of Notes: Page No. 165:</p> <ul style="list-style-type: none"> • Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of HSCC. <p>Bidders Query:- Request for deletion of this point or specified for Civil/ electrical work only Remarks:- For more competition. You may kindly remove this point. To be added in point: The layout of CSSD to be provided by the bidder in the technical file for evaluation of the layout without which the bid will be summarily rejected. Remarks:- Required for the betterment of the product. Qualification Criteria:</p>	<p>Tender Terms & conditions prevail.</p>
12.	<p>Page No. 5, Point No. (ii): Experience of having successfully completed similar work during last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following :</p> <p>Three similar* completed works costing not less than the amount equal to 40% of the estimated cost. Or Two similar* completed works costing not less than the amount equal to 50% of the estimated cost. Or One similar* completed work costing not less than the amount equal to 80% of the estimated cost.</p> <p>Bidders Query:-Request for deletion Or it should be written as: Bidder should have atleast one order for a CSSD on turnkey basis which includes design, civil and electrical work of maximum value of 50 % of the estimated cost. 40% or 50% or 80% of the estimated cost globally. Or it should be written as: Bidder should have executed similar nature of work more than 100% in last 2 years.</p>	<p>Tender Terms & conditions prevail.</p>
	<p>M/s BENSON MEDICAL</p>	

13	<p>Reference to the pre-qualification requirement, on page 5 of clause no. 2.0, 2.1 & 2.2 should be amended as that Indian distributor can also submit their qualification certificate along with its foreign manufacturer worldwide to fulfill the criteria because majority of items ask in the tender are imported with these globally available foreign manufacturer will also be able to bid their product through their Indian representative. This is not only giving competition to the companies which are present in India and also avoid scope of cartelization among the present company in India.</p>	Tender Terms & conditions prevail.
	M/s MEDEX INDIA (P) LTD.	
14.	<p>Para1 (a) Door: The sterilizer door should be pneumatically (compressed air) operated double door with fully automatic vertical sliding movement along with the door safety features. Bidders Query:- Door: The sterilizer door should be pneumatically (compressed air) / Electrically (Motorized driven) operated double door with fully automatic vertical sliding movement along with the door safety features. Remarks:- Using of pneumatic cylinder for operation of doors until weight 200 kg does not have a good option/ feature. The system is too strong and operates even in case of door wrong setting. Wrong setting is indicated by un- regular door closing with risk of kick to hand placed in chamber by closing. As most of the manufacturers having electrically driven motorized door in their range of sterilizer.</p>	The sterilizer door should be Electrically by Motor / pneumatically (Compressed Air) operated single door with fully automatic Vertical sliding movement along with door safety features.
15.	<p>Para2 (a)Door: The sterilizer door should be pneumatically (compressed air) operated double door with fully automatic vertical sliding movement along with the door safety features. Bidders Query:- Door: The sterilizer door should be pneumatically (compressed air) / Electrically (Motorized driven) operated double door with fully automatic vertical sliding movement along with the door safety features.</p>	The sterilizer door should be Electrically by Motor / pneumatically (Compressed Air) operated single door with fully automatic Vertical sliding movement along with door safety features.
16.	<p>Para6 Low Temperature Sterilizer by Steam and Formaldehyde (LTSF) Combined with High Temperature steam Sterilizer- Two Doors. Bidders Query:- “Should be removed” or Low Temp H2O2 based plasma Gas Sterilizer(100-120 Liters) with Double doors. Remarks:- As LTSF(Formaldehyde sterilizer) is also a potent carcinogen, Very highly toxic in nature which also may cause adverse health effects like ETO Sterilizer. Since there is others better technologies is also</p>	Low temperature sterilizer by Formaldehyde without high temperature steam sterilizer /Hydrogen peroxide (H2O2) gas with or without plasma, two doors (chamber size 100 to 150l)

	available so the LTSF (Formaldehyde) should be replaced by a New Generation Plasma Sterilizer which can be also placed in CSSD with double door technology.	
17.	<p>Para 2.0 PRE- QUALIFICATION CRITERIA:</p> <p>Para 2.2 (ii) Experience of having successfully completed similar work during last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following:</p> <p>Three Similar completed works costing not less than the amount equal to 40% of the estimated cost.</p> <p>Bidders Query:- “Three Similar completed works of total costing of(total cost of 3 similar works) approx to 40% of the estimated cost”. Remarks:- Since M/s Medex India is having experience of Maintaining the CSSD equipments for last 15 Years in different hospitals in India but with only individual items like Steam sterilizer, Washer Disinfectors, Plasma Sterilizer etc.</p>	Tender Terms & conditions prevail.
18.	<p><u>We also request to remove the operation part from the project as most of the reputed INTERNATIONAL MANUFACTURES do not have experience of operating / running of CSSD in INDIA.</u></p> <p>We hope that you will consider our request by changing the above referred point, so that most of the reputed brands can also participate in the tender.</p>	Tender Terms & conditions prevail.
	M/s STERIS	
19.	Estimate of Rs.491.40 Lacs seems OK for equipment part but for 5 years operations , extra budget is desired.	Estimate includes Operation during one year Defect Liability period.
20.	Kindly issue a CSSD drawing for study and re-check during site inspection and to note site deficiencies .	Attached
21	Refer to clause 12.4, page-8: Please also allow Joint venture for at least ‘Operations’. Sir, as no overseas firm or it’s subsidiary like STERIS, can employ big labor force to oversee day to day operations for 5 years to 10 years.	Tender Terms & conditions prevail.
22	STERIS trained manpower shall undertake Technical Service but administrative and logistic site work during operations shall be through a reputed manpower supplier and trained by STERIS, hence allowing Joint Venture is must.	Tender Terms & conditions prevail.

23	Sir, AIIMS always goes in for minimum 05 years warranty and 5 years CMC, in this tender we find that DLP/ warranty is only for One Year, kindly amend suitable for better benefit to our esteemed customer.	Tender Terms & conditions prevail.
24	Most Important change required is to <u>delete provision of Formaldehyde Sterilizer</u> , as this makes this tender suitable and watertight for only two local Indian Agents of overseas manufacturers with easy supply of manpower for Operations but no established set-up with ready availability of spares and for effective servicing, reducing down time.	Low temperature sterilizer by Formaldehyde without high temperature steam sterilizer /Hydrogen peroxide (H2O2) gas with or without plasma, two doors (chamber size 100 to 150l)
25	Please amend and go in for latest ' <u>LOW TEMPERTURE-H2O2 STERILIZER</u> ', WITH OR WITHOUT PLASMA PHASE . It is now well known fact that Plasma is not playing any role in sterilization, it only detoxifies chamber after sterilization phase is over.	Low temperature sterilizer by Formaldehyde without high temperature steam sterilizer /Hydrogen peroxide (H2O2) gas with or without plasma, two doors (chamber size 100 to 150l)
26	As envisaged by Indian Govt. Financial Rules, please allow minimum 2 weeks of working days for the firms to discuss with Engineers & other stake holders, vendors / prepare bids and upload after the issuance of amendments.	Appropriate time will be given for submission of bid.
27	We have attached..pages for specifications amendment, kindly allow changes to enable STERIS to bid.	Tender Terms & conditions prevail.
	TECHNICAL SPECIFICATION	

<p>28</p>	<p>HORIZONTAL STERILIZER 550-600 Liters (8 STU) WITH ACCESSORIES Page 150 Tender Specifications:- a. Door: The sterilizer door should be pneumatically (Compressed Air) operated double door with fully automatic vertical sliding movement along with door safety features. Requested:- a. Door: The sterilizer door should be ELECTRICALLY BY MOTOR / pneumatically (Compressed Air) operated double door with fully automatic HORIZONTAL / Vertical sliding movement along with door safety features.</p> <p>Page 150 & 151 Tender Specifications:- b. General comment Requested:- please delete all very specific to one make terms on thickness of steel , insulation etc., type of steam generator etc. as this vary from manufacturer to manufacturer and standard to standard viz-a-viz US FDA/ European CE/ EN285. US-ST 8 etc. Comments:- TENDER SPECIFICATIONS SEEMS TO BE COPIED FROM ONE MAKE HENCE, NEED A GENERALIZATION FOR ESTABLISHED PLAYERS LIKE STERIS AND GETTING TO PARTICIPATE.</p> <p>Page 151 c. Apart from standard cycles, special cycle should be programmed by an authorized supervisor code only. Programs include: Requested:- c. Apart from standard cycles, special cycle should be programmed by an authorized supervisor code only. Programs include: Tender Specifications:- 1. Wrapped Instruments, Porous load 134°C. Requested:- 1. Wrapped Instruments, Porous load 134°C. Tender Specifications:- 2. Heat Sensitive material, rubber, plastic, porous load 121°C Requested:- 2. Heat Sensitive material, rubber, plastic, porous load 121°C</p> <p>Tender Specifications:- 3. Rapid cycle for single open instrument Requested:- 3. Heavy load cycle Tender Specifications:- 4. Heavy load cycle Requested:-</p>	<p>Page 150</p> <p>a) Door: The sterilizer door should be ELECTRICALLY BY MOTOR / pneumatically (Compressed Air) operated double door with fully automatic HORIZONTAL / Vertical sliding movement along with door safety features. b) Tender terms prevail</p> <p>Page -151 Rapid cycle deleted</p>
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	<p>4. Bowie & Dick test (7 kg), PCD test. Tender Specifications:- 5. Bowie & Dick test (7 kg), PCD test. Requested:- 5. Leak test Tender Specifications:- 6. Leak test Requested:- 6. LIQUID CYCLE</p> <p>Comments:- Delete Rapid cycle for single open instrument, as this requirement is only for TSSU sterilizers and not for CSSD sterilizers. Instead include Liquid Cycle- for sterilization of Liquids</p> <p>Page 152 Tender Specifications:- q) should have at least 5 sterilizers working in India for the last three years. Requested:- q) should have at least 15 sterilizers working in India for the last three years Comments:- As 05 Sterilizers installation experience is too Less for important project as AIIMS-New Delhi</p>	<p>Page-152</p> <p>q) 5 sterilizers deleted</p>
<p>29</p>	<p>Page 152 STERILIZER 100-125 Litres (2 STU) WITH ACCESSORIES</p> <p>Tender Specifications:- a. Door: The sterilizer door should be pneumatically (Compressed Air) operated double door with fully automatic vertical sliding movement along with door safety features. Requested:- a. Door: The sterilizer door should be ELECTRICALLY BY MOTOR / pneumatically (Compressed Air) operated SINGLE door with fully automatic Vertical sliding movement along with door safety features. Comments:- In TSSU- double door is NOT required</p>	<p>STERILIZER 80-100 Litres (2 STU) WITH ACCESSORIES</p> <p>The sterilizer door should be Electrically by Motor / pneumatically (Compressed Air) operated single door with fully automatic Vertical sliding movement along with</p>

		door safety features.
30	<p>Page 154 & 155</p> <p>WASHER DISINFECTOR 300-360 Litre (15 DIN Trays) WITH ACCESSORIES</p> <p>Tender Specifications:- The unit shall be suitable for electrical operation and would be complete with two water circulation pump of minimum 1200 litre/minute capacity, two dryer blower pump, necessary valves & fittings.</p> <p>Requested:- The unit shall be suitable for electrical operation and would be complete with two water circulation pump of minimum 900 litre/minute capacity, two dryer blower pump, necessary valves & fittings.</p> <p>Tender Specifications:- The chamber should be made of S.S. AISI 316L quality with electro polished washed surfaces.</p> <p>Requested:- The chamber should be made of S.S. AISI 304L/316 L quality with electro polished washed surfaces.</p> <p>Comments:- PLEASE NOTE,STERIS WASHER IS NOT REQUIRING STAINLESS STEEL above GRADE 304L, AS PER STANDARDS UNDER US-FDA AND STERIS MANUFACTURE WASHER WITH ST. STEEL OF GRADE 304. PLEASE AMEND</p> <p>Tender Specifications:- b. General comment</p> <p>Requested:- please delete all very specific to one make terms on thickness of steel , insulation etc., WASHER TRAYS ETC. etc. as this vary from manufacturer to manufacturer and standard to standard viz-a-viz US FDA/ European CE/ Washer/disinfector should be compliant with ANSI/AAMI ST15883-2 and ISO 15883-2 standards for thermal disinfection.</p> <p>Comments:- TENDER SPECIFICATIONS SEEMS TO BE COPIED FROM ONE MAKE HENCE, NEED A GENERALIZATION FOR ESTABLISHED PLAYERS LIKE STERIS AND GETTING TO PARTICIPATE</p>	<p>Washer shall be manufactured with Stainless. Steel 304/SS316L quality with electro polished washed surfaces.</p> <p>Tender terms prevail</p>
31	<p>Page 155</p> <p>REVERSE OSMOSIS PLANT 300 LPH</p> <p>Tender Specifications:- 1. Reverse Osmosis Plant 300 Liters per hour capacity.</p> <p>Requested:- 1. Reverse Osmosis Plant SUITABLE CAPACITY Liters per hour</p>	<p>Reverse Osmosis Plant of suitable capacity should be provided.</p> <p>Storage tank of 2X 3000 Liters should be</p>

	<p>capacity, AS PER MANUFACTURER RECOMMENDATION AND SHOULD NOT BE LESS THAN 2000LPH FOR ALL STERILIZERS AND WASHER ETC.</p> <p>Tender Specifications:- 14. There should be a storage tank of 1500 Liters.</p> <p>Requested:- 14. There should be a storage tank of 2X 3000 Liters.</p> <p>Comments:-HIGHER SIZE OF RO PLANT WITH STORAGE TANK HIGHER CAPACITY WILL ENSURE AVAILABILITY OF FILTERED WATER FOR MINIMUM 3 TO 4 CYCLES IN CASE OF RAW WATER FLOW OR MAINTENANCE. Extra plant as Redundant system should be incorporated</p>	<p>provided.</p>
<p>32</p>	<p>Page 156</p> <p>LOW TEMPERATURE STERILIZER BY STEAM AND FORMALDEHYDE (LTSF) COMBINED WITH HIGH TEMPERATURE STEAM STERILIZER - TWO DOORS</p> <p>Requested:- LOW TEMPERATURE STERILIZER BY ETHYLENE OXIDE (ETO) GAS - TWO DOORS (CHAMBER SIZE 100 TO 150L)</p> <p>OR</p> <p>LOW TEMPERATURE STERILIZER BY HYDROGEN PEROXIDE (H2O2) GAS - TWO DOORS (CHAMBER SIZE 100 TO 150L)</p> <p>Comments:- <u>ONLY TWO MANUFACTURERS INTERNATIONALLY MANUFACTURER LTSF AND IS VERY OLD FAILED TECHNOLOGY AND IS HIGHLY CARCINOGENIC. IN MODERN WORLD MOSTLY H2O2 IS USED FOR LOW - TEMPERATURE STERILIZATION. KINDLY NOTE STERIS IS VERY EXPERIENCED CSSD PLAYER IN INDIA AND WE DO NOT HAVE EITHER LTSF OR PLASMA H2O2 STERILIZER. WE SHALL PROVIDE LOW TEMPERATURE STERILIZER USING H2O2 GAS WITH LATEST TECHNOLOGY OF NO USE OF PLASMA , AS PLASMA HAVE NO ROLE IN STERILIZATION PROCESS.</u></p>	<p>Low temperature sterilizer by Formaldehyde without high temperature steam sterilizer /Hydrogen peroxide (H2O2) gas with or without plasma, two doors (chamber size 100 to 150l)</p>
<p>33</p>	<p>Page 158</p> <p>ULTRASONIC CLEANER (28-30 L)</p> <p>Tender Specifications:- The units should be a compact bench top model, with a built-in tank manufactured from high-quality (316) stainless steel and a solid-state generator that sends ultrasonic (approx. 40 KHz)</p>	<p>Built in tank shall be manufactured with high-quality (304 / 316) stainless steel</p>

	<p>impulses through wash water containing detergent and electrical heating; microprocessor controlled display with memory time and temperature functions.</p> <p>Requested:- The units should be a compact bench top model, with a built-in tank manufactured from high-quality (304 / 316) stainless steel and a solid-state generator that sends ultrasonic (132KHz / approx. 40 KHz) impulses through wash water containing detergent and electrical heating; microprocessor controlled display with memory time and temperature functions.</p> <p>Comments:- ST. STEEL OF GRADE 304 IS SUFFICIENT FOR THIS TYPE OF ULTRASONIC CLEANER AS PER USA NORMS . AND WE USE BETTER HIGHER FREQUENCY SOLID STATE GENERATOR.</p>	
34	<p>Page 158 AIR COMPRESSOR (If required) a. The air compressor of shall be multistage stage, fully automatic suitable for delivering dry compressed air.</p> <p>Requested:- a. The air compressor of shall be multistage stage, fully automatic suitable for delivering dry compressed air AND SHOULD BE OF SAME MAKE AND SOURCED AS OTHER CSSD EQUIPMENT</p> <p>Comments:- LOCAL COMPRESSORS SHOULD NOT BE ACCEPTED</p>	Tender terms prevail

Bidder should follow the tender terms & condition for the unanswered queries.

The bid submission date is extended from 02.05.2016 to 05.05.2016 and bid security should be valid for 180 days from the date of bid submission ie. from 05.05.2016.

All other terms & conditions remain unchanged.

Chief General Manager

For & on behalf of Director (AIIMS)

MANPOWER PLANNING**CSSD**

S.No.		Morning	Day	Night
1.	Technician	2	2	1
2.	Semiskilled Technician	3	2	1
3.	Helper	2	2	1
4.	Supervisor	1	1	

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
NEW DELHI**

e- TENDER

FOR

**Supply, Installation, Testing & Commissioning of CSSD
Equipments for Surgical Block at All India Institute of Medical
Sciences, New Delhi**

VOLUME –V

BILL OF QUANTITIES (BOQ)

DECEMBER 2015



(Consultants & Engineers for Mega Hospitals & Laboratories)
E - 6 (A), Sector - I, NOIDA (U.P.) - 201 301 (INDIA)

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Tender No. HSCC/SES/CSSD/Surgical/AIIMS/2015

BILL OF QUANTITY						
Package - Supply, installation, Testing and commissioning of CSSD EQUIPMENTS and one (1) year Defect liability period						
PART-I						
Item No.	Description 2	Unit 3	Qty 4	Unit Rate In Rs (in Figure) 5	Unit Rate in Rs (in Words) 6	Amount (Rs.) (In Figure) 7
1.0	HORIZONTAL STERILIZER 550-600 L(8 STU) & ACCESSORIES WITH CARRIAGE &LOADING & UNLOADING SYSTEM, Complete with all accessories as per detail technical specification.	Nos	3			
2.0	STERILIZER 100-125 L(2 STU) WITH ACCESSORIES Complete with all accessories as per detail technical specification.	Nos	2			
3.0	TABLE TOP STERILIZER WITH ACCESSORIES 18-25 L Complete with all accessories as per detail technical specification.	Nos	10			
4.0	WASHER DISINFECTOR(15 DIN Trays) WITH ACCESSORIES CAPACITY-300 -360L. Complete with all accessories	Nos	2			
5.0	REVERSE OSMOSIS PLANT 300 LPH Complete with all accessories as per detail technical specification.	Nos	1			
6.0	LOW TEMPERATURE STERILIZER BY STEAM AND FORMALDEHYDE (LTSF) , TWO DOORS Complete with all accessories as per detail technical specification.	Nos	1			
7.0	HEAT SEALING MACHINE Complete with all accessories as per detail technical specification.	Nos	2			
8.0	SPRAY GUN RINSER (Air-1 & Water-1) Complete with all accessories as per detail technical specification.	Nos	2			
9.0	DRYING CABINET 275 L Complete with all accessories as per detail technical specification.	Nos	2			
10.0	MULTI-ROLL TAPE DISPENSER Complete with all accessories as per detail technical specification.	Nos	2			
11.0	ULTRASONIC CLEANER CAPACITY-(28-30L) Complete with all accessories as per detail technical specification.	Nos	1			
12.0	DOCUMENTATION LABELLER Complete with all accessories as per detail technical specification.	Nos	1			

13.0	GAUZE CUTTING MACHINE Complete with all accessories as per detail technical specification.	Nos	1			
14.0	AIR COMPRESSOR (If required) Complete with all accessories as per detail technical specification.	Nos	1			
15.0	WASH STATIONS WITH 2 SINKS FOR DIRTY AREA Size Approx. (L x W x H) : 2000x750x850 mm Complete with all accessories as per detail technical specification.	Nos	2			
16.0	WORK TABLE SIZE-1200X650X900 Complete with all accessories as per detail technical specification.	Nos	3			
17.0	CONTROL & PACKING TABLE WITH TWO SHELVES FOR CLEAN AREA Complete with all accessories as per detail technical specification.	Nos	3			
18.0	LINEN FOLD TABLE FOR CLEAN AREA a. Size (LxWxH) : 2000x1400x900 mm approximately. Complete with all accessories as per detail technical	Nos	2			
19.0	WIRE STORAGE SHELF MODULE FOR DIRTY/DISINFECTION AREA/CLEAN/STERILE AREA Complete with all accessories as per detail technical specification	Nos	3			
20.0	PASS BOX Complete with all accessories as per detail technical specification.	Nos	3			
21.0	CLOSED TRANSPORT TROLLEY FROM STERILE STORE TO OT Size : 1400x750x1260 mm(LxWxH) (External) approximately Complete with all accessories as per detail technical specification.	Nos	6			
22.0	Table Trolley with 2 shelves 530x1080x800 H Complete with all accessories as per detail technical specification	Nos	2			
23.0	MODULAR STERILIZING BASKETS BIG Complete with all accessories as per detail technical specification.	Nos	50			
24.0	MODULAR STERILIZING BASKETS MEDIUM Complete with all accessories as per detail technical specification.	Nos	50			
25.0	BASKET RACK suitable to accommodate Baskets Complete with all accessories as per detail technical specification.	Nos	7			
26.0	STORAGE RACK 5 SHELVES 1830X535X1830 Complete with all accessories as per detail technical	Nos	12			
27.0	STAFF CHAIR Complete with all accessories as per detail technical specification.	Nos	2			
28.0	LAB STOOL WITHOUT BACKREST.(SS) Complete with all accessories as per detail technical specification.	Nos	8			

29.0	STORAGE CUPBOARD Complete with all accessories as per detail technical specification.	Nos	1			
30.0	PASS THROUGH CABINET-SS Complete with all accessories as per detail technical specification.	Nos	2			
31.0	CHANGE LOCKER -4 COMPARTMENTS Complete with all accessories as per detail technical specification.	Nos	2			
32.0	VISITORS CHAIR Complete with all accessories as per detail technical specification.	Nos	1			
33.0	OPEN STORAGE RACK Complete with all accessories as per detail technical specification.	Nos	1			
34.0	OFFICE TABLE Complete with all accessories as per detail technical specification.	Nos	1			
35.0	SHOE RACK Complete with all accessories as per detail technical specification.	Nos	1.00			
36.0	PAPER DISPENSING TROLLEY Complete with all accessories as per detail technical specification.	Nos	2.00			
37.0	TURNKEY WORKS	Lot	1.00			
						SUB TOTAL Rs.
	Part-II					
	Operation of CSSD including collection and distribution of items to be sterilised	Nos	1.00			
						SUB TOTAL Rs.
						TOTAL Rs.

Part-III						
Item No.	Description 2	Unit 3	Qty 4	Unit Rate In Rs (in Figure) 5	Unit Rate in Rs Words) 6	Amount (Rs.) (In Figure) 7
1.0	Operation (24x7) for the complete CSSD Equipment complete in all respect after completion of Defect Liability Period as per the contract.					
	Ist Year	Job	1			
	2nd Year	Job	1			
	3rd Year	Job	1			
	4th Year	Job	1			
2.0	Comprehensive Maintenance Charges for the complete CSSD Equipment including spares, repair or replacement of defective equipments/parts, tolls, tackles, accessories, consumables, labour charges etc. complete in all respect after completion of Defect Liability Period as per the contract.					
	Ist Year	Job	1			
	2nd Year	Job	1			
	3rd Year	Job	1			
	4th Year	Job	1			
SUB TOTAL Rs.						
SUMMARY OF RATES QUOTED						
1	TOTAL (PART-I)					
2	TOTAL (PART-II)					
3	TOTAL (PART-III)					
Grand Total Amount (PART - I + PART - II+ PART-III) (in Figures) :-						
In words : Rupees						

Date

Signature of Bidder
Name of Bidder