

Prebid-Representations & Recommendations of Techniocal committee - Technical

HLL/PCD/PMSSY/AIIMS-II/13-RT-02/17-18 - CSSD

Sl. No.	Tender Specification	Representations Received from probable bidders	Technical Committee Recommendations
1	1. Horizontal Sterilizer 550 litre or more with Accessories	Sterilizer : What is STU capacity of the sterilizer ? Please specify ? * The size of sterilizers must be specified in Liters and for DIN baskets. * The rack should be 6-8 level. Please issue the amendment in this regard.	Amended as: 1. Horizontal Sterilizer 500 litre or more with minimum 8 STU with Accessories
2		Horizontal Sterilizer 500 litre or more and can be accommodate at least 8 STU with Accessories. Worldwide the usable volume of a sterilizer is calculated in terms of STU so for apple to apple comparison STU should be compulsory	
3		Horizontal Sterilizer with Accessories. Kindly remove the Litre and mentioned the STU Capacity. (Please suggest 8 STU per Cycle)	
4		We request it should be 500 L or more . Because it will not effect the STU through port	
5		It would be more appropriate top specify the STU capacity of the sterilizer as well in addition to the chamber capacity in liters only exactly the way you have done for the Washer Disinfetor (Ltrs and DIN caapcity) as the actual usable volume is STU caapcity which for this size would be 8 STU otherwise you may get a unit with 500 Ltrs capacity that can handle only 5-6 STU which will be quite inefficient due to less output compared to the power and steam used.	
6	2. Sterilizer 250 L with Accessories	Sterilizer 250 L or more and able to accommodate at least 4 STU with Accessories.Worldwide the usable volume of a sterilizer is calculated in terms of STU so for apple to apple comparison STU should be compulsory	Amended as: 2. Sterilizer 250 L or more with minimum 4 STU with Accessories
7	1. Horizontal Sterilizer 550 litre or more with Accessories 5. The door seal should be made of silicon rubber gasket & on commencement of the process the door gasket is pressed against the rear face of the door by steam/air to ensure the door remains closed during the process.	We request it should be silicon/teflon rubber gasket	Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 5. The door seal should be made of silicon/ teflon rubber gasket & on commencement of the process the door gasket is pressed against the rear face of the door by steam/air to ensure the door remains closed during the process.
8	(b) Construction: 1. Chamber & Doors: The chamber and doors should be made of solid, high quality 316L Stainless steel.		Amended as: (b) Construction: 1. Chamber & Doors: The chamber and doors should be made of solid, high quality 316L Stainless steel with not less than 5mm thickness

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9	<p>1. Horizontal Sterilizer 550 litre or more with Accessories (b) Construction: 2. Surface Treatment: The internal surface should be electro-chemically treated or mechanically treated for high quality smooth finish to facilitate cleaning. The resultant surface should be polished to less than 0.8 µm fineness to protect against corrosion. The internal corners should be rounded off to facilitate efficient cleaning</p>	<p>Surface Treatment: The internal surface should be electro-chemically treated or mechanically treated for high quality smooth finish to facilitate cleaning. The resultant surface should be polished to less than 0.8 µm to 1.25 micron fineness to protect against corrosion. The internal corners should be rounded off to facilitate efficient cleaning. Please provide a range for better participation .</p>	No change
10		<p>The internal surface should be electro-chemically treated or mechanically treated for high quality smooth finish to facilitate cleaning. The resultant surface should be polished to less than 0.2 µm fineness to protect against corrosion. The internal corners should be rounded off to facilitate efficient cleaning.</p>	
11	<p>2. Sterilizer 250 L with Accessories (a) Door: The sterilizer supplied should be supplied with automatic sliding door with door safety features.</p>	12. Please add that Steam Sterilizer should have Double vertical loading door	Amended as:
12		Automatic Door Lock with Hinge Flap Door	(a) Door: The sterilizer supplied should be pneumatically (Compressed Air) /electrical operated double door with fully automatic vertical sliding movement along with door safety features. Note: 250L sterilizer will be placed at CSSD not in TSSU. Accordingly BOQ will be changed
13	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 4. Jacket: The jacket should be made of 316L quality</p>	<p>6. Sterilizer : Digital display of the jacket pressure should be provided. Please issue the amendment in this regard. 13. Item No. 1 : Point No. 4 – Jackets Pressure gauge for jackets. This is one company specific. Kindly delete this point.</p>	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 4. Jacket: The jacket should be made of 316L quality stainless steel with pressure gauge/digital display of pressure</p>
14	<p>stainless steel with pressure gauge.</p>	<p>It is desired to have a pressure gauge for the jacket (point 4 page 49) which is an old systyem. In our system we get the prerssure of jacket directly from the screen thereby getting very accurate readings digitally and reducing the clutter on the front panel. This point may please be changed to display of jacketpressure via gauge or digon the screen.</p>	

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15	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 3. Insulation: The sterilizer jacket and door should be completely insulated to keep the autoclave cool on the outside. The insulation should be completely encased in rigid removable sheet housing.</p>	<p align="center">As per pre bid discussion</p>	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 3. Insulation: The sterilizer jacket and door should be completely insulated to keep the autoclave cool on the outside. The insulation should be completely encased in rigid removable sheet housing. The insulation thickness should be minimum 50mm</p>
16	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories</p>	<p>7. Sterilizer : The Steam Generator chamber should be SS 316L. It is mandatory to have chamber made up of 316L so that it can work and stand on higher temperatures. Please issue the amendment in this regard.</p>	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 5. Steam Generator: The sterilizer should have inbuilt steam generator of adequate capacity.</p>
17	<p>5. Steam Generator: The sterilizer should have inbuilt steam generator of adequate capacity. In inbuilt steam</p>	<p>We request it should be standalone/inbuilt steam generator and stainless steel/carbon steel (carbon steel has better sensitivity compared to SS)</p>	<p>In inbuilt steam generator, it should be mounted under the sterilizer chamber & should be made of 316L quality stainless steel.</p>
18	<p>generator, it should be mounted under the sterilizer chamber & should be made of 316 quality stainless steel.</p>	<p>The steam generator seemingly by typographical error desired to be made of SS316 which should be SS316L as you have asked for the chamber to be of 316L grade then how can the steam generator to be of lower SS grade.</p>	
19	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 5. Steam Generator: The heating element should be of sufficient capacity to</p>	<p>8. Sterilizer : It should have 3 heaters which work independently and in cascade so that even If one element fails, the unit keeps working and this kind of triplet are normally more power efficient. Please issue the amendment in this regard.</p>	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 5. Steam Generator: The heating element should be of sufficient capacity to make the sterilization process faster with maximum cycle time of 45-50mins in pre vacuum. 3 or more heater elements.</p>
20	<p>make the sterilization process faster with maximum cycle time of 45-50mins in pre vacuum.</p>	<p>It should have 3 heaters which work independently and in cascade so that even if one element fails, the unit keeps working and this kind of triplet are normally more power efficient. This point may please add to the steam generator and not to the chamber.</p>	

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21	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 5. Steam Generator: The steam generator should have chloride free mineral wool/mineral glass wool of thickness 25 mm to 50 mm insulation with SS 316 or Aluminum</p>	Aluminium material for Steam Generator is not acceptable, so the same should be removed.	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 5. Steam Generator: The steam generator should have chloride free mineral wool/mineral glass wool of thickness 25 mm to 50 mm insulation with SS 316L</p>
22	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 7. Pipes, Valves and Components:</p>	Piping system & valves should be Stainless steel	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 7. Pipes, Valves and Components: Hot pipes should be made of SS 316L and the rest of the piping system should be made of Stainless Steel / Brass / Copper.</p>
23	The piping system should be made of Stainless Steel / Brass / Copper.	The piping system should be made of Stainless Steel 316L. Kindly remove Brass and Copper	
24	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 7. Pipes, Valves and Components:</p>	9. Sterilizer : Please make changes and mention all piping and fittings must be Tri-clamp. Please issue the amendment in this regard.	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 7. Pipes, Valves and Components: 1. Primary piping & fittings should be stainless steel triclamp fittings.</p>
25	1. Primary piping & fittings should be stainless steel threaded or stainless steel triclamp fittings.	It is desired to have all piping and fittings to be SS threaded or Tri-clamp. Between the two there is a huge cost and performance difference so for the high pressure steam pipes it should be only tri clamp type fittings and only in SS 316L to ensure quick maintenance and quality.	
26	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 7. Pipes, Valves and Components: (d) Air Filter: A disposable air filter should be provided for filtering the atmospheric air before entering inside the chamber. The filter separation efficiency should be higher than 99.998% for particle size less than 0.3µm.</p>	14. Item No. 1 : Point No. 7 – Pipe valves and components, D, air filters. Filter separation efficiency should be higher than 99.998% for particle size less than 0.3 micron. This is one company specific. Please amend this point.	No change

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27	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories 7. Pipes, Valves and Components: (e) Control System: Control system should have touch sensitive, 7 inches or more colour display interface at operator loading side while it should have normal interface at unloading side</p>	<p>15. Item No. 1 : Point No. E - Control system : You have mentioned Control system should have Touch sensitive, 7” or more color display interface at operator loading side, which is specific to one company. Please amend the to make it “Control system should have Touch sensitive, 10” or more color display interface at operator loading side.</p>	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L 7. Pipes, Valves and Components: (e) Control System: Control system should have touch sensitive, 5.5 inches or more colour display interface at operator loading side while it should have normal interface at unloading side</p>
28		<p>Please clarify whether it is a single door system or two door system .In your entire specification it is nowhere mentioned that this sterilizer will be double door but particularly this point is referring to the double door machine so kindly clarify</p>	
29		<p>We request touch sensitive LCD display with size of 5-7 inches</p>	
30		<p>The screen size should be in a range from 5-7" which isnow asked for only 7". In our system the display is with pictorials and visible from good distance despite being 5.7" in size where as if the display is alpha numeric even if the screen is 10" it can only be read fromk close distance so having it in minimum 7" size only restricts us.</p>	
31	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories (i) Cycle Documentation – Printer: The autoclave should be equipped with an alpha-numeric Laser/thermal printer which prints the each cycle parameter performed by the sterilizer. The measured values of temperature and pressure are printed at fixed time intervals, according to various phases of the sterilization process such as 4 minute time interval for vacuum, 1 minute time interval for sterilization, and the start and end time of the drying phase.</p>	<p>We request it should be an impact printer as thermal printer fades after sometime</p>	<p>No change</p>
32	<p>1. Horizontal Sterilizer 550 litre or more with Accessories & 2. Sterilizer 250 L with Accessories (k) Vacuum Pump: High vacuum compressor (water ring type) with recycling facility for removal of air within the chamber should be provided & mounted on vibration isolator for quite operations</p>	<p>11. Steam generator : Vacuum pump : Water pump – Please amend this point to make it as Water Injected pump .</p>	<p>Amended as: 1. Horizontal Sterilizer 500L and Sterilizer 250L (k) Vacuum Pump: High vacuum compressor (water ring type) for removal of air within the chamber should be provided & mounted on vibration isolator for quite operations</p>

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33	isolator for quite operations	We request it should be water ring type or similar type of the technology to create effective vacuum in the system	
34		Not understand this point. Please explain.	
35	<p><u>1. Horizontal Sterilizer 550 litre or more with Accessories &</u> (h) Loading/Unloading system: Sterilizer should have the two rails for easy loading, shelf rack with shelves (carriage) with 1 set of loading and unloading trolley</p> <p><u>2. Sterilizer 250 L with Accessories</u> (h) Loading/Unloading system: Sterilizer should have the two rails for easy loading, shelf rack with shelves (carriage) with 1 trolley.</p>	The loading and unloading systems should be from the Sterilizer manufacturer and not sourced locally to ensure life and perfect level matching.	<p><u>Amedned as:</u> <u>1. Horizontal Sterilizer 500L and Sterilizer 250L</u> (h) Loading/Unloading system: Sterilizer should have the two rails for easy loading, shelf rack with shelves (carriage) with 1 set of loading and unloading trolley (total 2nos) from the same principal manufacturer</p>
36	(q) In case of suppliers offering standalone steam generator they should provide alternatives for ensuring clean steam (as per International Standards) i. With standalone generator ii. For preheating the sterilizer with steam from a central boiler having adequate stand by supply (r) High vacuum compressor with recycling facility.	As per pre bid discussion	<p>Amended as: (q) Deleted (r) High vacuum compressor</p>

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37	3. Table Top Sterilizer with Accessories 8. Door Design: Should have radially opening door with at least one or two locking bolts for enhanced door safety. The doors should come with silicon elastomeric rubber gasket to withstand temperature upto 140°C & 20-30 psi.	We request it should have radially / automatic door opening	No change
38	4. Washer disinfector with accessories 4. Chamber Capacity: Chamber capacity: Operational Volume should be 300 to 350 L. Should supply 12 Nos of standard Stainless Steel DIN trays. It should also be able	Washer Disinfector : What is the reason you have mentioned chamber of SS 304 grade not SS 316L. It is mandatory to have chamber made up of 316L so that it can work and stand on higher temperatures. Please issue the amendment in this regard.	Amended as 4. Washer disinfector with accessories 4. Chamber Capacity: Chamber capacity: Operational Volume should be able to process 12 Nos of standard Stainless Steel DIN trays (Approx: 480mmX250mmX50mm) in single cycle. The chamber should be made of S.S. 304 or S.S. 316L quality with electro polished washed surfaces.
39	to process minimum 12 DIN trays (Approx480X250X50) in single process. The chamber should be made of S.S. 304	Capacity in Litre may be deleted because different companies different capacity. Department should ask capacity in 12 DIN trays.	
40	or S.S. 316L quality with electro polished washed surfaces.	System should be able to process 10 to 12 DIN trays in single process with 250 liter of basket volume or 15 DIN trays with 350 liter of basket volume . Since most of the manufactures are making washer disinfector with either 10 DIN Capacity of 15 DIN capacity so asking 12 DIN will be favoring to few companies and a equal comparison cannot be done . also you have asked for 3 sterilizers in your CSSD so we feel that 12 DIN washer will not be sufficient enough . so please amend the specification accordingly.	
41		As the washing & disinfection process is a critical part of the reprocessing chain , the chamber quality has to be 316L.	
42		We request to change chamber capacity to 260-300 L which can process 12 DIN trays/hr	
43		It is desired to have the chamber in SS 304 OR 316L which should ideally be 316L only for good quality output and especially because high temperatures of over 95 deg are reached for causing disinfection additionally chemicals are also used for the disinfection which are normally corrosive in nature. Moreover 304 and 316L grades can't be used alternatively as there is a good cost difference and output quality difference between the two.	
44	4. Washer disinfector with accessories Added Para: Consumables for 500 cycles to be quoted separately and it will be considered for price evaluation. Consumables for 500 cycles to be supplied as standard	It is desired to give consumables for 500 cycles. It is requested that the list of these be detailed so that these can be supplied as per the end user requirements and this will also provide level playing ground for all the bidders and eliminate subjectivity.	4. Washer disinfector with accessories Added Para: Consumables for 500 cycles to be quoted separately and it will be considered for price evaluation. Consumables for 500 cycles to

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45	during initial supply	We request to specify the quantity of consumables along with type of consumables tenderer is looking at. It will keep all vendors at the same page for price evaluation	be supplied as standard during initial supply. It includes: Detergents, enzymatic cleaner, lubricant or any other items required for running the cycle but not specified here.
46		Please confirm which consumables & mentioned Qty. also of the same.	
47	4. Washer disinfecter with accessories 10. The washer disinfecter shall be supplied with	The size of washer disinfecter must be 300 Liters and for 12 DIN baskets. The rack should be 6 level. Please issue the amendment in this regard.	Amended as: 4. Washer disinfecter with accessories 10. The washer disinfecter shall be supplied with universal rack to accomodate 12 DIN trays , full size instrument tray as well as stop valves, anti-suction device and plastic water trap.
48	universal rack, 4 level racks for instrument tray, full size	We request to change the level of rack from 3 level & above	
49	instrument tray as well as stop valves, anti-suction device and plastic water trap.	The washer disinfecter shall be supplied with universal rack, 6 level racks for instrument tray, full size instrument tray as well as stop valves, anti-suction device and plastic water trap.	
50		It is desired at point 10 to supply 4 level racks which can only hold 8 DIN basket although the washer size is desired to be 300 Ltrs or 12 DIN baskets, accordingly thia may please be changed to a 6 level rack.	
51	No relevant specification in tender	Sterilizer : What is the reason of asking for some other makes loading and unloading racks. The loading and unloading racks should be of same make and same source and same standards. Please issue the amendment in this regard.	Already amended above in sterilizer
52		The loading/unloading carts and racks should be from the original manufacturer and not sourced locally for best and perfect fitment yielding convenience and best efficiency. These should not be allowed to be sourced locally.	
53	4. Washer disinfecter with accessories k) Double door should be made of toughened glass for see through & should facilitate the loading process.	Washer Disinfecter : The door of washer disinfecter must be vertical and automatic operation. Please delete and not allow manual and hinged doors. Please issue the amendment in this regard.	4. Washer disinfecter with accessories Automatic vertically operating Double door should be made of toughened glass for see through & should facilitate the loading process.
54		The door of the washer should be automatically operating and not manual and hinged as the system is large sized.	
55	4. Washer disinfecter with accessories Connection with MGPS system for compressed air(if required) shall be the responsibility of the bidder.	24. Medical Gaspipeline inside CSSD area : It should be of the same standard and same make, which is being done by MGPS contractor at 6 AIIMS. Please ensure that there should not be mix and match of the standard / makes. Please change this clause	No change
56	4. Washer disinfecter with accessories Manufacturer should be ISO 13485:2003/ EN	Manufacturer should comply with all of these , not either of these. Most important EN 15883 the benchmark for process of washing & disinfection	Amended as: 4. Washer disinfecter with accessories

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57	ISO15883/ISO9001	It should be ISO 13485:2003 and EN ISO15883 and ISO9001, because the three standard ask are different, all these standard should be compulsory. Please ask in and Instead of Or in the point.	Manufacturer should be ISO 13485:2003 & EN ISO15883 & ISO 9001
58	9. Ultrasonic Cleaner (40 L) 1. The units should be a compact free-standing bench model, with a built-in tank manufactured from high-quality (316/304) stainless steel and a solid-state	10. Ultrasonic Cleaner (40 L) tank must be made up of 316L with minimum 2-3mm thickness. Please issue the amendment in this regard.	No change
59	generator that sends ultrasonic (approx 40 KHz) impulses through wash water containing detergent and electrical heating; microprocessor controlled display with memory time and temperature functions. 3. The tank should be made of solid stainless steel	We request 20-25 Ltrs two units should be supplied instead of 40L We request 40Khz or higher impulses should be incorporated	
60	(316/304).	For this capacity the tank should be made in 316L or preferably 316 Ti in 2 mm thickness	
61	9. Ultrasonic Cleaner (40 L)	It is also suggested to have degassing program in this device to eliminate bubbles of water that will reduce the microwave cleaning efficiency	
62	9. Ultrasonic Cleaner (40 L) 6. Capacity should be 40 L	Please also amend size to 45 liters, as 40 liters is company specific	No change
63	9. Ultrasonic Cleaner (40 L) 8. Ultrasonic cleaner should be European CE with 4 digit notified body number /US FDA certified.	Ultrasonic cleaner should be US FDA/European CE certified . As these are very small items so a self declared CE certificate will also be accepted as you these items are not so critical and can be used in the other segments like jewelry , optical etc. similarly like heat sealing machine .	Amended as: 9. Ultrasonic Cleaner (40 L) 8. Ultrasonic cleaner should be US FDA certified. Or EC Declaration of Conformity along with ISO 13485 certificate
64		Ultrasonic cleaner should be US FDA/European CE. Since this is Class-I product therefore not compulsory that European CE with 4 digit notified body number. Therefore kindly change it to Declaration of Conformity (DOC)	
65	5. Reverse Osmosis Plant 1500 LPH	The system desires to provide an RO plant but without a De-Mineralizer (DM) plant RO alone will not be sufficient to provide the desired water quality which may also please be included in the requirements.	Added Para: It should be supplied with Pre treatment filters ie Dust filter, Activated Carbon filter and water softner suitable for running the machines
66	5. Reverse Osmosis Plant 1500 LPH 1. RO should of Eureka Forbes/Ion Exchange / Millipore /	16. RO plant : You have mentioned few makes, which makes it company specific. Kindly delete the makes.	1. RO should of Eureka Forbes/Ion Exchange / Millipore / Kent / Aquacare / Rions/ Delta Pure

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67	Kent / Aquacare / Rions make.	Please add more make of RO i.e. DeltaPure/Water expert.	make.
68	<p>II.CSSD FURNITURE ITEMS: Control & Packing Table with two Shelves for clean area: 3. The worktop should be made of a robust wood-based core material, surfaced with plastic laminate in a soft beige colour that reduces reflection of light from the surface. All edges should be smooth. The extended width of the worktop should be designed to facilitate thorough inspection of instrument trays and allow the use of large wrapping material.</p>	<p>The worktop should be made of a robust wood-based core material, surfaced with plastic laminate in a soft beige colour that reduces reflection of light from the surface/ stainless steel top . All edges should be smooth. The extended width of the worktop should be designed to facilitate thorough inspection of instrument trays and allow the use of large wrapping material.</p>	<p>II.CSSD FURNITURE ITEMS: Amended as: Control & Packing Table with two Shelves for clean area: 3. The worktop should be made of a robust wood-based core material, surfaced with plastic laminate/ Stainless steel. All edges should be smooth. The extended width of the worktop should be designed to facilitate thorough inspection of instrument trays and allow the use of large wrapping material.</p>
69	<p>II.CSSD FURNITURE ITEMS: 29. Closed Sterilization Containers: 2. Should have thermo lock drainage, steam penetration valve and stainless steel top.</p>	<p>Should have thermo lock drainage, steam penetration valve and stainless steel / aluminum top. And the container should have permanent filter with a life span of at least 4000 to 5000 cycles. Since, with the combination of the specification only one company i.e.. Weigner is making the containers with stainless steel top so this point will bound a bidder to buy these items from the same company which will increase the cost drastically. Although stainless steel top does not have any significance. We also request you to kindly ask a permanent filter to reduce the running cost as compared to the containers available with disposable filters.</p>	<p>Amended as: 29, 30, 31. Closed Sterilization Containers: 2. Should have thermo lock drainage, steam penetration valve and stainless steel top./aluminum top. And the container should have permanent filter with a life span of at least 4000 to 5000 cycles</p>
70	<p>II.CSSD FURNITURE ITEMS: 30. Closed Sterilization Containers: 2. Should have thermo lock drainage, steam penetration valve and stainless steel top.</p>	<p>Should have thermo lock drainage, steam penetration valve and stainless steel / aluminum top. And the container should have permanent filter with a life span of at least 4000 to 5000 cycles. Since, with the combination of the specification only one company i.e.. Weigner is making the containers with stainless steel top so this point will bound a bidder to buy these items from the same company which will increase the cost drastically. Although stainless steel top does not have any significance. We also request you to kindly ask a permanent filter to reduce the running cost as compared to the containers available with disposable filters.</p>	

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71	II.CSSD FURNITURE ITEMS: 31. Closed Sterilization Containers: 2. Should have thermo lock drainage, steam penetration valve and stainless steel top.	Should have thermo lock drainage, steam penetration valve and stainless steel / aluminum top. And the container should have permanent filter with a life span of at least 4000 to 5000 cycles. Since, with the combination of the specification only one company i.e.. Weigner is making the containers with stainless steel top so this point will bound a bidder to buy these items from the same company which will increase the cost drastically. Although stainless steel top does not have any significance. We also request you to kindly ask a permanent filter to reduce the running cost as compared to the containers available with disposable filters.	
72	II.CSSD FURNITURE ITEMS: Added Para: Manufacturer should have latest valid ISO Certificate.	17. Furniture items : Please add a clause that manufacturer should have manufacturing licence, manufacturing facilities, excise registration, CE compliance certificate. Kindly specify that manufacturer should also have following ISO certificates : ISO 13485:2012, ISO 9001:2008, ISO 14001:2004	II.CSSD FURNITURE ITEMS: Added Para: Amended as: Manufacturer should have latest valid ISO 9001 Certificate.
73		It is desired that the furniture manufacturer should be ISO certified it should rather be EN ISO 13485 accredited these being medical goods.	
74	2. Unit rate for all the consumables should be quoted separately and it will be frozen for five years.	Kindly specify the name of the consumables and quantity.	No change
75		18. Please delete the makes for Turnkey works, as it makes items to be more as company specific	No change
76	Interior and Accessories for CSSD (Power/Drain/Lighting/AC/Exhaust) ETO sterilizer	Gas exhaust should be removed. Providing a Gas exhaust for ETO Sterilizer can only be calculated according to the site and these pipings are very costly in nature. Also, the ETO Manufacturers are majorly aware about the safety norms. So asking these exhaust from the CSSD Providers is irrelevant. So it should be removed.	Already clarified in prebid meeting
77	BOQ II AIR- CONDITIONING Lump sum	19. Please specify sizes and capacities of following items:Air handling unit, Condensing Units and other Airconditioning items.	Amended as: 2 AIR-CONDITIONING
78		It is desired to have Split or Ductable packaged AC units which can not be put alternative to each other being totally different and having huge cost difference so one of the two should be specified. It is also requested that the size in terms of tonnage should be specified based on the area of 4300 sq. feet.	Air conditioning should be provided as per the chart given with the technical specifications . Air conditioning should be ductable type with 12 Ton capacity . The same will be considered for price evaluation purpose. Unit TR rate should be quoted

Prebid-Representations & Recommendations of Techniocal committee - Technical

HLL/PCD/PMSSY/AIIMS-II/13-RT-02/17-18 - CSSD

Sl. No.	Tender Specification	Representations Received from probable bidders	Technical Committee Recommendations
79	BOQ TABLE TOP STERILIZERS	OUR TABLE TOP STERILIZERS SHALL BE SUPPLIED WITH STAINLESS STEEL TABLES.	Clarified in prebid meeting
80	<p>I. CIVIL WORKS Bidders are strongly advised to visit the site and carry out the assessment of works. Bidder has to carry out civil modifications required at the site. All material should be of high quality and sample should get approved by consignee.</p> <p>Bidder will be responsible for doing SS panelling for sterilizer and washer disinfector.</p>	<p>20. Walls and ceiling panels inside CSSD area should be of following specifications.</p> <p>Wall Panels The 50mm thick wall panels will be constructed using 0.8mm 304 Grade Stainless Steel sandwich panel with core consisting of rigid polyurethane foam, which has been injected under high pressure, with a minimum density of 40 kg/m³. The individual wall panels shall use the tongue and groove technology for joining two panels, no welding should be allowed. The gaps between panels shall be suitably filled with metal filler/epoxy and sanded flush. Stainless Steel plate finished to fine grain surface, treated properly to take antifungal paint. Anti bacterial paint should be coated on the wall.</p> <p>Ceiling Panels The 30mm thick Ceiling Panels will Be Constructed Using 0.8mm 304 Grade Stainless Steel Sandwich Panel with Core Consisting of Rigid Polyurethane Foam, which has been Injected Under High Pressure, with A Minimum Density Of 40 Kg/M³. The Individual Ceiling Panels Shall use The Tongue And Groove Technology For Joining Two Panels, No Welding Should Be Allowed. The Gaps Between Panels Shall Be Suitably Filled With Metal Filler/Epoxy And Sanded Flush. Stainless Steel Plate Finished To Fine Grain Surface, Treated Properly To Take Antifungal Paint. Anti Bacterial Paint Should Be Coated On The Ceiling. Paint should be antibacterial paint</p>	No change

Prebid-Representations & Recommendations of Technical committee - Technical

HLL/PCD/PMSSY/AIIMS-II/13-RT-02/17-18 - CSSD

Sl. No.	Tender Specification	Representations Received from probable bidders	Technical Committee Recommendations
81	A FLOORING 1 Vitrified Tiles Somany, Kajaria 2 Paint Dulux, Asian Paints	<p>21. Vitrified tiles – please change it to Vinyl flooring of following specifications It should be with 2mm antistatic seamless PVC flooring. It should be with 2mm antistatic seamless PVC flooring. Floor should be smooth, non-slip, impervious material conductive enough to dissipate static electricity but not conductive enough to endanger personnel from electric shock. Electrostatic charge dissipation combat PVC seamless flooring of very high quality should be provided. Thickness not less than 2 mm. Continuous roll should be used and joints should be welded by special PVC thermal welding units using PVC welding bars of same colour. The sheets should be highly durable with resistance to shock and indentation. It should be scratchproof also. The conductive material should be uniformly impregnated as grains. It should be inert to body fluids, chemicals and disinfectants. It should not be affected by temperature variation within the OT. The floor should efficiently discharge electric charges up to 2 kV The electrical resistance (point to ground) should be within 2.5x10⁴ to 5x10⁶ ohms. The floor should not allow buildup of electrical charge beyond 100 volts due to antistatic effect. The corners should not be terminated sharply and PVC cove should be used to overlap the wall panel to a height of approx.25mm and sealed perfectly and uniformly. Self-leveling compounds should be used. The conductive copper grid laid underneath the PVC sheet should be supported by liquid epoxy compounds allowed to set as a uniform and level surface. The copper strips to be made visible by grinding and no copper strip should project more than 0.5mm above level surface to avoid damage to the PVC sheet. One earthing lead should be brought out from every 150sq.ft area and attaching it to the main earthing strip/ground. Copper grounding strips (0.05 mm thick, 20 mm width) should be laid flat on the floor in the conductive adhesive and connected to copper strip of grounding. The connection from copper grid should be brought out uniformly at places to form equipotential grid.</p>	No change
82	<p>D ELECTRICAL 1 Cables Finolex, Havells 2 Switches Legrand, Crabtree 3 Distribution Box, Breakers Legrand, L&T, Siemens</p>	<p>22. Please add following as makes Polycab in cables North West for Switches Wipro/Bajaj for lighting and it should be LED Zeco / Carrier for Airconditioning</p>	<p>D ELECTRICAL 1 Cables Finolex, Havells, Polycab 2 Switches Legrand, Crabtree, North West E. Air Conditioning: Bluestar, Voltas, Daikin, Carrier, Hitachi</p>

Prebid-Representations & Recommendations of Technical committee - Technical

HLL/PCD/PMSSY/AIIMS-II/13-RT-02/17-18 - CSSD

Sl. No.	Tender Specification	Representations Received from probable bidders	Technical Committee Recommendations
83		23. Please specify quantum and complete details for the following works a. Demolition work b. Fire fighting work c. Plumbing work d. Ventilation and lighting work	May be amended as: DEMOLITION WORK Bidder shall be responsible for carrying out required dismantling/demolishing works for construction of CSSD as per layout plan approved by the Institute/Hospital. Rate for demolition of 500 sq. ft will be considered for price evaluation purpose.
84		25. Being a life saving system demonstration of the installed similar CSSD system must be provided in any of the Government Hospital in India. Please issue the amendment in this regard. All bidders must be asked to provide the demonstration of similar supplied and installed CSSD system.	No change
85	RUNNING, OPERATION AND MAINTENANCE FOR INITIAL FIVE YEARS: 5. The supplier need to depute One CSSD Manager, three CSSD trained & qualified technician on each and every working day. Three helper and one reliever shall also be posted by the supplier for round the clock per day in all working days. Space for them shall be provided by the Consignee for working. Rate of manpower to be quoted separately as per the price schedule attached and minimum wages of manpower will be as per Government Rules.	Please refer Page No. 69 (Note: Para No. 3) Training to be provided at site to five persons from each institute for 2 weeks. Since, you are already asking for two weeks training to your staff, then running operational part should be removed from the points mentioned wherever in the tender.	No change
86	Page No.60 2 (b)Construction Not mentioned material & thickness.	Please define the material & thickness	Irrelevant point, page number not matching with query
87		For all CSSD Furniture Manufacturing should have ISO 9001 & ISO 13485	Already amended above
88		CSSD Layout should be provided to us and also mentioned the sizes of each CSSD.	Clarified in prebid meeting

Prebid-Representations & Recommendations of Techniocal committee - Technical

HLL/PCD/PMSSY/AIIMS-II/13-RT-02/17-18 - CSSD

Sl. No.	Tender Specification	Representations Received from probable bidders	Technical Committee Recommendations
89			<p>May be amended as: All Consumables including detergent powder, neutralizing agent etc required for Initial start up (for 100 cycles) with 25 nos. of biological indicators and 50 nos. of chemical indicators should be provided for Sterilizers, Washers and Ultrasonic Cleaner.</p>
90			<p>May be amended as: 4. Bidder will be responsible for doing SS 304 with 0.8 mm or more thickness panelling for sterilizer and washer disinfecter. Rate for 10 sq. meter SS 304 paneling has to be quoted separetely. The same will be considered for price evaluation purpose.</p>
91			<p>May be amended as: False ceiling of reputed make as per clean room standard of CSSD</p>

Prebid Representations and its Reply (Tender Ref No. HLL/PCD/PMSSY/IIIMS-II/13-RT-02/17-18 dated 08.05.2017) - Commercial

S. No	Tender Clause No.	Tender Specification	Representation by bidder(s)	Hites Reply
1	Page no. 130	RUNNING, OPERATION AND MAINTENANCE FOR INITIAL FIVE YEARS	Request you to keep the running and operation part out of the scope of the vendor. This is not the core area of our operation. We can train & certify people to work in CSSD.	No change considered
2	Section IX, Qualification Criteria	1. Status : The Bidder should be a manufacturer or its authorised agent. (Bidder who meets all the qualification criteria need to quote directly. If the Indian subsidiary is meeting all the qualification parameter, they can quote directly or else the foreign principal can quote directly and they may mention in their bid that services will be rendered through their indian Subsidiaries. However, they will be entirely responsible for execution of the contract as per terms and conditions and scope of services defined in TED.)	1. Status : The Bidder should be a manufacturer or its authorised agent. (Bidder who meets all the qualification criteria need to quote directly. If the Indian subsidiary is meeting all the qualification parameter, they can quote directly or else the foreign principal can quote directly and they may mention in their bid that services will be rendered through their indian Subsidiaries. However, they will be entirely responsible for execution of the contract as per terms and conditions and scope of services defined in TED.) In case the foreign manufacturers who meets the qualification criteria but do not have indian subsidiary in India, they can authorize their indian agents to participate in the tender and indian agents need not meet the qualification criteria. However, in this case also, foreign manufacturer will be entirely responsible for execution of the contract as per terms and conditions and scope of services defined in TED. Request to amend this clause in order to let indian agents of the foreign manufacturers participate	No change considered
3			Being a life saving system demonstration of the installed similar CSSD system must be provided in any of the Government Hospital in India. Please issue the amendment in this regard. All bidders must be asked to provide the <u>demonstration of similar supplied and installed CSSD system.</u>	Any condition that given in the TED shall be applicable
4	Page No. 135 Qualification Criteria	Minimum Work of Similar Nature	Reference experience: It should be of Turnkey CSSD work and not of equipments.	Any condition that given in the TED shall be applicable
5		Power of Attorney	Please clarify what do you mean by Power of Attorney issued by Competent Authority in favour of the person who is digitally signing/uploading the tender(s)	The sentence is self-explanatory.
6	GCC Clause 21.1 Payment Terms	Payment Terms	a) Eighty percent (80%) payment of the delivered goods price shall be paid on receipt of goods in good condition and upon the submission of the documents. b) Ten (10%) payment of the delivered goods price shall be paid on installation certificate in original issued by the consignee. c) On Acceptance: Balance Ten (10%) payment of the delivered goods value would be made against 'Final Acceptance d) Certificate' (FAC) as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. FAC need to be issued by the designated consignee after installation, commissioning, testing and one month of successful trial run of the equipment.	No change considered

Prebid Representations and its Reply (Tender Ref No. HLL/PCD/PMSSY/IIIMS-II/13-RT-02/17-18 dated 08.05.2017) - Commercial				
S. No	Tender Clause No.	Tender Specification	Representation by bidder(s)	Hites Reply
7			Regarding Private Customer Completion Certificate : Please mention that private customer completion certificate should be submitted alongwith the TDS deduction certificate. TDS certificate from private customer must be mentioned in tender clause otherwise fake and fabricated certificates can be submitted.	Any condition in this regard that is given in the TED shall be applicable
8	Page No.13 & 14 Sr. No.13.3	Bidder should quote rate for detailed breakup of the prices for the main equipment and accessories/ optional items must be provided separately.	Please define list of consumables and Qty. of consumables.	Being incorporated in the BOQ
9			Since CSSD Furniture is high value items, costing should be Rs.50Lac per site therefore Manufacturer Authorization for CSSD Furniture should be ompulsory.	No change considered
10	Page no. 4 & 5	Physical submission of EMD and processing fee	In case of the extension of the tender due the date of submission of processing fee and EMD will also be extended accordingly	The validity of the EMD should be at least 165 days from the date of opening of tender as per the terms & conditions of TED. However, the purchaser shall inform of any relaxations in the validity of EMD, if the due date of opening is exetnded in short notice.
11	Page No. 18 (Para No. 19.8)	In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.	Bank guarantee should be acceptable from the foreign bank in case of foreign bidder . Countersigning from the nationalized bank will be an issue for the foreign manufacturer and it will be a lengthy procedure so same should be removed .	In case of a foreign bidder submitting their bid directly, the EMD may be submitted from a foreign bank. This has to be countersigned by a Nationalized/ Scheduled bank in India.
12	Page No. 30 (Para No. 5.2)	The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below: It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/ Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.	The performance bank guarantee should also be acceptable from foreign bank in case of foreign bidder. For the foreign bidders Taking bank guarantee from a nationalized bank of India will be a major issue since they are not operational here in India so the bank guarantee from the foreign bank will be acceptable	In this case a foreign supplier contracted for direct receipt of payment, the Performance Security may be submitted from a foreign bank. This has to be countersigned by a Nationalized/ Scheduled bank in India.

Prebid Representations and its Reply (Tender Ref No. HLL/PCD/PMSSY/IIIMS-II/13-RT-02/17-18 dated 08.05.2017) - Commercial

S. No	Tender Clause No.	Tender Specification	Representation by bidder(s)	Hites Reply
13	Page No. 36	<p>Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following wherever applicable:-</p> <ul style="list-style-type: none"> • Any kind of motor. • Plastic & Glass Parts against any manufacturing defects. • All kind of sensors. • All kind of coils, probes and transducers. • Printers and imagers including laser and thermal printers with all parts. • UPS including the replacement of batteries. • Air-conditioners • All kinds of painting, civil, HVAC and electrical work 	<p>Warrantee should be applicable only on the equipments . Civil works like painting , tiling etc. and the office furniture items do not have 5 years lifetime since it is totally depending upon the handling and the outer construction of the building so asking warrantee on these things is not relevant</p>	No change considered
14	Page No. 39 (Para C)	<p>c) Payment of Turnkey, if any: Turnkey payment will be made to the bidder/manufacturer's agent in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee.</p>	<p>Payment of turnkey should be made on pro rata basis . Please define the meaning of pro rata basis.</p>	The word 'pro rata' has not been found under the payment terms in the Tender document.
15	Page No. 39 (Para D)	<p>d) Payment of Running, Maintenance and operation for initial five years period after installation:- Payment for running maintenance and operation will be paid quarterly within 7th day of the first month of the following quarter, by the respective institute/consignee on the basis of satisfactory performance certificate issued by the end user.</p>	<p>Since, we are already committed to provide two weeks training to your staffs (consignee staffs) and the equipment are already covered for five years warranty(labour+ spares). So, running , maintenance and operation should be removed.As this point becomes irrelevant so the complete point may be removed.</p>	No change considered

Prebid Representations and its Reply (Tender Ref No. HLL/PCD/PMSSY/IIIMS-II/13-RT-02/17-18 dated 08.05.2017) - Commercial				
S. No	Tender Clause No.	Tender Specification	Representation by bidder(s)	Hites Reply
16	Page No. 42	Liquidated damages- Since the Liquidated damages are in virtue of non- performance of services, it will attract Service Tax also which in turn shall be deducted from the bidder.	The service tax should be deducted only where service tax will be charged for non-performance of services.	Liquidated damages is a declared service as per the Act: "Agreeing to the obligation to refrain from an act, or to Tolerate an act or a situation or to do an act" If any seller do not supply the goods or there is delay in supply of goods, or installation of such goods takes more time than scheduled times, and the buyer suffers, then, such activity would come under the purview of Declared services and such services are taxable under the provisions of Finance Act, 1994. Liquidated damages are usually collected to tolerate an act or a situation based on agreement.
17	Page No. 46 (Para A)	Part II: Required Delivery Schedule: a) For Indigenous goods or for imported goods if supplied from India: 150 days from date of Notification of Award to be delivered, installed and commissioned at consignee site subject to availability of clear 90 days from the date of handing over of installation site by the consignee. If the bidder gets work order for more than one schedule, simultaneous deliveries need to be ensured by the bidder/ awardee.	Total time for the completion should be counted from the date of handing over the site and that should be at least nine month . Completion of the project including civil work , installations and commissioning within 90 days is not possible in case of delay in handing over the site , so the time limit should be revised.This tender is retendered multiple times and the request was always refused, maintaining the crucial line of completion of projects. However, the tender itself not finalised for more than 365 days. So, our request should be accepted to deliver the quality projects.	Being amended from 150 days to 180 days
18	Page No. 46 (Para B)	b) For Imported goods directly from foreign: 150 days from the date of opening of L/C. 150 days is inclusive of installation and commissioning subject to availability of clear 90 days from the date of handing over of installation site by the consignee. If the bidder gets work order for more than one schedule, simultaneous deliveries need to be ensured by the bidder/awardee.	Total time for the completion should be counted from the date of handing over the site and that should be at least nine month . Completion of the project including civil work , installations and commissioning within 90 days is not possible in case of delay in handing over the site , so the time limit should be revised.This tender is retendered multiple times and the request was always refused, maintaining the crucial line of completion of projects. However, the tender itself not finalised for more than 365 days. So, our request should be accepted to deliver the quality projects	Being amended from 150 days to 180 days
19	Page No. 47	Part VI: Supplier has to quote for running, operation and maintenance for initial five year period as defined in tender scope of works.	Point should be removed . Please refer Page No. 69 (Note: Para No. 3) Training to be provided at site to five persons from each institute for 2 weeks. Since, you are already asking for two weeks training to your staff, then running operational part should be removed from the points mentioned wherever in the tender.	No change considered

Prebid Representations and its Reply (Tender Ref No. HLL/PCD/PMSSY/IIIMS-II/13-RT-02/17-18 dated 08.05.2017) - Commercial

S. No	Tender Clause No.	Tender Specification	Representation by bidder(s)	Hites Reply
20	Page No. 48	Note 2: General: Bidders are requested to make sure that they should attach the list of equipments for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer / Tester for Medical equipments to periodically check the electrical safety aspects as per BIS Safety Standards IS-13540 which is also equivalent to IEC electrical safety standard IEC-60601 is a part of the equipments. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipments checked for electrical safety compliance with Electronic Regional Test Labs / Electronics Test and Development Centres across the country on every preventive maintenance call.	Should be removed . this point is irrelevant since the asked equipments are already IEC compliant so it should be removed	No change considered
21	Page No. 135 Qualification Criteria	Minimum Work of Similar Nature: Eligible bidders should have successfully executed globally in last five years from the date of tender opening, similar turnkey project of value, equivalent to or exceeding 50% of the estimated schedule/ tender value. Out of total 50% value, at least one single order for similar work of minimum 10% of the estimated schedule/ tender value should have been executed globally. The details of requirement of cumulative schedule values for MWSN (minimum work of similar nature) are mentioned in Eligibility Table. The value of the executed works shall be brought to the current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to last date of receipt of tenders. Example/Clarification: Similar Project means that CSSD meeting major technical parameters irrespective of material of construction.	We request you to kindly consider the projects/ sterilization equipments of last seven years instead of specified five years for wider participation .	No change considered
22	Page No. 140	The documentary proof will be a certificate from the consignee/ end user with cross reference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished. In case the end user certificates from a private hospital, it should be supported with a proof for receipt of payment/LC document/ TDS certificate.	Purchase orders should be considered in case of foreign bidder. Most of the foreign manufactures use to operate through distributors and installations /commissioning is in the scope of there respective agents locally so getting a performance certificate is always not possible for them .	No change considered
23	Page No. 140	Bidder may submit performance certificate duly linked mentioning order number, date of delivery, installation, commissioning and value by the end user.	This term should be relaxed and performance certificate should be acceptable in any form . Every institute is having there own protocol of issuing such certificates and bidder cannot bound the government institutes to issue the certificate with the prescribed information	The completion certificates issued should be signed and sealed by authorised signatory. It should have link to a valid supply order/ payment/ LC document/ intallation etc. This is discussed during pre-bid meeting in detail.

Prebid Representations and its Reply (Tender Ref No. HLL/PCD/PMSSY/IIIMS-II/13-RT-02/17-18 dated 08.05.2017) - Commercial				
S. No	Tender Clause No.	Tender Specification	Representation by bidder(s)	Hites Reply
24	13.4.2(g), Pg.14	The running, operation and maintenance charges for initial five years after installation	We request that running and operations should be deleted from the scope of bidder, as we are the equipment manufacturers. Or an Joint venture should be allowed for running and operations	No change considered
25	22.1 pg.19	The original proforma invoices from the foreign principal will be applicable in case of 100% subsidiary companies incorporated in India also.	We request an border explanation on this. Does the awarded bidder has to produce PI from the principal at the time of LC	This is required to verify and compare the actual Proforma Invoice during execution of the Contract.
26	8.8 pg-32	Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, Bureau Veritas, TUV prior to despatch at the supplier"s cost and furnish necessary certificate from the said agency in support of their claim.	Kindly delete, as, all reputed manufacturers meet most international standards and have their own stringent testing and inspections schedules. On the basis of these internal checks companies issue a self declaration " All material manufactured has been through quality checks and inspection before dispatch'. We also request that 3rd Party Inspection should also be deleted , as this is unnecessary ADDITIONAL COST to GOVT. and Inspection Team of 3rd Party Inspectors are mainly checking quantity and packing . This is waste of national exchequer funds on futile activity , as bidder / manufacturer are already inspecting and properly packing all ordered items to get payment and moreover as all equipment's are warrantied for five years , it shall be prime duty of the installed/ bidder to provide running and functioning system	No change considered
27	21.1(D) pg.39	Payment of Running, Maintenanceand Operation for initial five year period after installation:- Payment for running maintenance and operation will be paid quarterly within 7th day of the first month of the following quarter, by the respective institute / consignee on the basis of satisfactory performance certificate issued by the end user .	We request that running and operations should be deleted from the scope of bidder, as we are the equipment manufactures. Or an Joint venture should be allowed for running and operations.	No change considered
28	Section VI Part VI. Pg. 47	Supplier has to quote for running, operation and maintenance for initial five year period as defined in tender scope of works. Maintenance Contract (CMC) as per details in Technical Specification as specified in part I above.	We request that running and operations should be deleted from the scope of bidder, as we are the equipment manufactures. Or an Joint venture should be allowed for running and operations.	No change considered
29	Page No. 46 (Para A)	Part II: Required Delivery Schedule: a) For Indigenous goods or for imported goods if supplied from India: 150 days from date of Notification of Award to be delivered, installed and commissioned at consignee site subject to availability of clear 90 days from the date of handing over of installation site by the consignee. If the bidder gets work order for more than one schedule, simultaneous deliveries need to be ensured by the bidder/ awardee.	The delivery desired in the tender is 150 days which is a bit too tight for this kind of an important project this may please be increased to at least 180 days from the date of establishing the LC	Being amended from 150 days to 180 days