Amendment No. 1

Date: 25/05/2017

Sub: Amendment to the Tender Enquiry Document

Ref: Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/13-RT-02/17-18 dated 08.05.2017.

Following changes have been authorized and incorporated in the referred Tender Enquiry Document:

SECTION - VI
LIST OF REQUIREMENTS

For:

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.

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.

Read as:

Part II: Required Delivery Schedule:
a) For Indigenous goods or for imported goods if supplied from India:
180 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.

b) For Imported goods directly from foreign:
180 days from the date of opening of L/C. 180 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.

Section – VII
Technical Specifications

TECHNICAL AMENDMENT		
HLL/PCD/PMSSY/AIIMS-II/13-RT-02/17-18 - CSSD		
S. No	**Existing Tender Specification**	**Amended Tender Specification**
	1. Horizontal Sterilizer 550 litre or more with Accessories	
1	**1. Horizontal Sterilizer 550 litre or more with Accessories**	**1. Horizontal Sterilizer 500 litre or more with minimum 8 STU with Accessories**
2	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.	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.
3	**(b) Construction:** **1. Chamber & Doors:** The chamber and doors should be made of solid, high quality 316L Stainless steel.	**(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**
4	**(b) 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.	**(b) 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**
5	(b) 4. Jacket: The jacket should be made of 316L quality stainless steel with pressure gauge.	(b) 4. Jacket: The jacket should be made of 316L quality stainless steel with pressure gauge**/digital display of pressure**
6	(b) **5. Steam Generator:** The sterilizer should have inbuilt steam generator of adequate capacity. In inbuilt steam generator, it should be mounted under the sterilizer chamber & should be made of 316 quality stainless steel.	(b) **5. Steam Generator:** The sterilizer should have inbuilt steam generator of adequate capacity. In inbuilt steam generator, it should be mounted under the sterilizer chamber & should be made of **316L** quality stainless steel.
7	**(b) 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	**(b) 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**
8	**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.	**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.**

9	**7. Pipes, Valves and Components:** The piping system should be made of Stainless Steel / Brass / Copper.	**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.
10	**7. Pipes, Valves and Components:** 1. Primary piping & fittings should be **stainless steel threaded or stainless** steel triclamp fittings.	**7. Pipes, Valves and Components:** 1. Primary piping & fittings should be stainless steel triclamp fittings.
11	**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	**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
12	**(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	**(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**
13	**(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	**(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
14	**(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.**	(q) **Deleted** (r) High vacuum compressor
	2. Sterilizer 250 L with Accessories	
15	**2. Sterilizer 250 L with Accessories**	**2. Sterilizer 250 L or more with minimum 4 STU with Accessories**
16	(a) Door: The sterilizer supplied should be supplied with automatic sliding door with door safety features.	(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.**
17	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.	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.

18	**(b) Construction:** **1. Chamber & Doors:** The chamber and doors should be made of solid, high quality 316L Stainless steel.	**(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**
19	**(b) 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.	**(b) 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**
20	(b) 4. Jacket: The jacket should be made of 316L quality stainless steel with pressure gauge.	(b) 4. Jacket: The jacket should be made of 316L quality stainless steel with pressure gauge**/digital display of pressure**
21	(b) **5. Steam Generator:** The sterilizer should have inbuilt steam generator of adequate capacity. In inbuilt steam generator, it should be mounted under the sterilizer chamber & should be made of 316 quality stainless steel.	(b) **5. Steam Generator:** The sterilizer should have inbuilt steam generator of adequate capacity. In inbuilt steam generator, it should be mounted under the sterilizer chamber & should be made of **316L** quality stainless steel.
22	**(b) 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	**(b) 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**
23	**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.	**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.**
24	**6 (c) 1. Pipes, Valves and Components:** The piping system should be made of Stainless Steel / Brass / Copper.	**6 (c) 1. 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.
25	**6 (c) 1. Pipes, Valves and Components:** 1. Primary piping & fittings should be **stainless steel threaded or stainless** steel triclamp fittings.	**6 (c) 1. Pipes, Valves and Components:** 1. Primary piping & fittings should be stainless steel triclamp fittings.
26	**6 (c) 1. 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	**6 (c) 1. 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
27	**(h) Loading/Unloading system:** Sterilizer should have the two rails for easy loading, shelf rack with shelves (carriage) with 1 trolley.	**(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**

28	**(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	**(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
29	(p) High vacuum compressor **with recycling facility.**	(p) High vacuum compressor
	4. Washer disinfector with accessories	
30	**4. 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 to process minimum 12 DIN trays (Approx480X250X50) in single process.** The chamber should be made of S.S. 304 or S.S. 316L quality with electro polished washed surfaces.	**4. 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.
31	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 during initial supply	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 during initial supply. **It includes: Detergents, enzymatic cleaner, lubricant or any other items required for running the cycle but not specified here.**
32	5.k) **Double door** should be made of toughened glass for see through & should facilitate the loading process.	5.k) **Automatic vertically operating Double door** should be made of toughened glass for see through & should facilitate the loading process.
33	10. The washer disinfector shall be supplied with universal rack, **4 level racks** for instrument tray, full size instrument tray as well as stop valves, anti-suction device and plastic water trap.	10. The washer disinfector 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.
34	**12. Manufacturer should be ISO 13485:2003/ EN ISO15883/ISO9001**	**12. Manufacturer should be ISO 13485:2003 & EN ISO15883 & ISO 9001**
35	**5. Reverse Osmosis Plant 1500 LPH**	
36	**5. Reverse Osmosis Plant 1500 LPH** 1. RO should of Eureka Forbes/Ion Exchange / Millipore / Kent / Aquacare / Rions make.	1. RO should of Eureka Forbes/Ion Exchange / Millipore / Kent / Aquacare / Rions/**Delta Pure** make.
37		**Added Para: It should be supplied with Pre treatment filters ie Dust filter, Activated Carbon filter and water softner suitable for running the machines**
	9. Ultrasonic Cleaner (40 L)	
38	8. Ultrasonic cleaner should be **European CE with 4 digit notified body number /US FDA certified**.	8. Ultrasonic cleaner should be **US FDA certified. Or EC Declaration of Conformity along with ISO 13485 certificate**

	II.CSSD FURNITURE ITEMS:	
39	Manufacturer should have latest valid ISO Certificate.	Manufacturer should have latest valid **ISO 9001** Certificate.
40	**5. 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.	**5. 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.
41	**29. Closed Sterilization Containers:** 2. Should have thermo lock drainage, steam penetration valve and stainless steel top.	**29. 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**
42	**30. Closed Sterilization Containers:** 2. Should have thermo lock drainage, steam penetration valve and stainless steel top.	**30. 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**
43	**31. Closed Sterilization Containers:** 2. Should have thermo lock drainage, steam penetration valve and stainless steel top.	**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**
	Amendments in Scope of work (for AIIMS -Bhopal, Jodhpur, Bhubaneswar, Jodhpur, Rishkesh & Patna)	
44	**3. TRAINING AND DOCUMENTATION** 6. Consumables for training and handover should be provided free of cost with the system.	**3. TRAINING AND DOCUMENTATION** 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 s**hould be provided for Sterilizers, Washers and Ultrasonic Cleaner.
45	**4. TURNKEY JOB FOR CSSD UNIT:** **Turn Key Job to be provided by the Bidder** 4. False ceiling modification in air conditioned area and sterile area.	**4. TURNKEY JOB FOR CSSD UNIT:** **Turn Key Job to be provided by the Bidder** 4. False ceiling modification in air conditioned area and sterile area. **False ceiling should be of reputed make as per clean room standard of CSSD**

46	**4. TURNKEY JOB FOR CSSD UNIT:** **I. CIVIL WORKS** Bidder will be responsible for doing SS panelling for sterilizer and washer disinfector.	**4. TURNKEY JOB FOR CSSD UNIT:** **I. CIVIL WORKS** **Bidder will be responsible for doing SS 304 with 0.8 mm or more thickness panelling for sterilizer and washer disinfector. Rate for 10 sq. meter SS 304 paneling has to be quoted separetely. The same will be considered for price evaluation purpose.**
47	**4. TURNKEY JOB FOR CSSD UNIT:** **II. AIR- CONDITIONING** Air conditioning should be provided for areas such as clean store, sterile stores, packing area and officer room 1. Should provide split a/c or ductable package with wireless remote control for, sterile stores, packing area, clean store and office room. Ducting and false ceiling as necessary. 2. The capacity of the a/c should be sufficient to maintain the required temperature and humidity. 3. Should be energy efficient and 5 star rating. 4. Bidder should carry out necessary false ceiling work required for A/C.	**4. TURNKEY JOB FOR CSSD UNIT:** **II. AIR- CONDITIONING** 1. 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** **2. The capacity of the a/c should be sufficient to maintain the required temperature and humidity.** **3. Should be energy efficient.** **4. Bidder should carry out necessary false ceiling of reputed make as per clean room standard of CSSD required for A/C.**
48	**PREFERED MAKES FOR TURNKEY WORKS** **D ELECTRICAL** 1 Cables Finolex, Havells 2 Switches Legrand, Crabtree	**PREFERED MAKES FOR TURNKEY WORKS** **D ELECTRICAL** 1 Cables Finolex, Havells, **Polycab** 2 Switches Legrand, Crabtree, **North West**
49	**PREFERED MAKES FOR TURNKEY WORKS** E AIR CONDINTIONING: Bluestar, Voltas, Daikin	**PREFERED MAKES FOR TURNKEY WORKS** E. Air Conditioning: Bluestar, Voltas, Daikin, **Carrier, Hitachi**
50	**VIII. DEMOLITION** Bidder should demolish unwanted existing walls inside the existing CSSD area	**VIII. DEMOLITION** 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.**
	Amendments in BOQ (for AIIMS -Bhopal, Jodhpur, Bhubaneswar, Jodhpur, Rishkesh & Patna)	
51	**Room No. 3** **WASH & DISINFECTION AREA** 1. WASHER DISINFECTOR **(300 to 350L)** - 3	**Room No. 3** **WASH & DISINFECTION AREA** 1. WASHER DISINFECTOR - 3 **1.a Consumables for Washer Disinfector as per specification - 500 cycles**

52	**Room No. 9** **CONTROL & PACKING AREA** 1. STEAM STERILIZER 550 litre or more - 5	**Room No. 9** **CONTROL & PACKING AREA** 1. STEAM STERILIZER **500 litre or more with minimum 8 STU with Accessories** - 5
53	**Room No. 9** **CONTROL & PACKING AREA**	**Added Para:** **Room No. 9** **CONTROL & PACKING AREA** **16. 1. Sterilizer 250 L or more with minimum 4 STU with Accessories - 2**
54	**OTHER EQUIPMENTS** 1. RO PLANT1500 litre with tank capacity of 6000 litre-1 no	**OTHER EQUIPMENTS** 1. RO PLANT1500 litre **with Pre treatment filters** with tank capacity of 6000 litre-1 no
55	**FOR TSSU** 1. STERILIZER 250 L - 2	**FOR TSSU** **1. Deleted**
56	**TURNKEY WORKS** I. CIVIL WORKS INCLUDING STAINLESS STEEL PANELLING FOR STERILIZER & WASHER DISINFECTER - Lump sum	**TURNKEY WORKS** **I.a. CIVIL WORKS as per specification- Lump sum** **I.b. SS 304 with 0.8 mm or more thickness panelling for sterilizer and washer disinfector - 10 sq. meter**
57	**TURNKEY WORKS** II. AIR- CONDITIONING - Lump sum	**TURNKEY WORKS** II. AIR- CONDITIONING - **12 TR**
58	**TURNKEY WORKS** VII. DEMOLITION WORK - Lump sum	**TURNKEY WORKS** VII. DEMOLITION WORK - **500 Sq. Ft**

All other terms and conditions of the tender enquiry remain unaltered.

Note:

(i) Bidders are advised to upload necessary Technical and commercial information duly filled in the format provided (i.e. **Techno_Commercial_CSSD**) in excel format only.

(ii) Bidders are advised to upload their price bids using the new version of the Price format (i.e. **Price_Bid_Format_CSSD_v1.0)** in excel format only.

(iii) Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids