

All Bidders

Amendment -II

Subject: Supply , Installation, Testing & Commissioning of CSSD at Indian Institute of Technology (IIT), Kharagpur.

IFB No. : HSCC/SES/CSSD/IIT-Kharagpur/2018 dated 20.02.2018

This has reference to above IFB.

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

Sr. NO.	Bidders' Queries	Reply
1	we would like to request you that to change the sub point no (iv) of point no 2.2 as per your Pre-qualification criteria where you have mentioned that "The company should have positive Net Worth and should not have incurred loss in more than Two years in last Five years ending 31 st March 2017 duly certified by the Chartered Account" and change this point as "The company should have positive Net Worth and should not have incurred loss in more than Three years in last Five/Six years ending 31 st March 2017 duly certified by the Chartered Account".	Tender terms & conditions prevail.
2	<p>HORIZONTAL DOUBLE DOOR AUTOCLAVE 550-600 Litres (8 STU) WITH ACCESSORIES & STERILIZER 150 – 200 L WITH ACCESSORIES FOR TSSU WHEREVER APPLICABLE Point No. 4. Jacket: The jacket should be made of quality stainless steel</p> <p>It should read as below: Jacket: The jacket should be made of AISI 316L quality stainless steel Reason: 316L is the highest grade of Stainless Steel which is require for durability while dealing with high pressure, temperature and water.</p>	Jacket should be of AISI316L

	Note: In the same tender 316LSS is asked for Jacket construction against Sr. No. 2 STERILIZER 150-200L Litres WITH ACCESSORIES FOR TSSU	
3	<p>Point No. 5. Steam Generator: In built steam generator should be made of quality stainless steel</p> <p>It should read as below: Steam Generator: In built steam generator should be made of 316 L quality stainless steel Reason: 316L is the highest grade of Stainless Steel and since steam is produced inside the chamber of Steam Generator, it is always recommended to have the same quality of SS for both the Steam Generator & Chamber. Note: In the same tender 316LSS is asked for Steam Generator construction against Sr. No. 2 STERILIZER 150-200L Litres WITH ACCESSORIES FOR TSSU</p>	Built-in Steam Generator should be of AISI-316L
4	<p>Point (b) 1. Construction:</p> <p>The chamber should be mounted on a stainless steel bearing structure at least 2mm thick tubular stainless steel so that to allow load to be distributed in four corners with height adjustable feet</p> <p>It should read as below: The chamber should be mounted on a stainless steel bearing structure at least 2mm thick stainless steel Frame so that to allow load to be distributed in four corners with height adjustable feet</p>	The chamber should be mounted on a 2mm thick tubular stainless steel/ stainless steel Frame
5	<p>Point (b) 2. Surface Treatment:</p> <p>The resultant surface should be polished to less than 0.2-0.8 μm fineness to protect against corrosion (certificate from OEM should be provided along with the bid).</p> <p>Need to Deleted (Certificate from OEM should be provided along with the bid). Reason: Can be asked at the time of delivery since it</p>	The resultant surface should be polished to fineness to protect against corrosion. A certificate from OEM should be provided.

	is product specific	
6	<p>Point (b)</p> <p>5. Steam Generator:</p> <p>9) The heating element should be made of Inconel /incolloy /international standard material and should be of sufficient capacity to make the sterilization process faster and it also should be differential protected,</p> <p>10) It should also have the automatic blow down valve and degassing system for feeding water to steam generator.</p> <p>It should read as below: The heating element should be made of Stainless Steel international standard material and should be of sufficient capacity to make the sterilization process faster and it also should be differential protected, Reason: Stainless Steel is the best & superior quality for heating element. Degassing system need to 'Deleted' It should read as below: It should also have the automatic blow down valve for feeding water to steam generator. Reason: Degassing system is not applicable for Sterilization.</p>	<p>9) The heating element should be made of Inconel /incolloy/Stainless Steel /international standard material and should be of sufficient capacity to make the sterilization process faster and it also should be differential protected.</p> <p>10) It should also have the automatic blow down valve for feeding water to steam generator.</p>
7	<p>Point (c)</p> <p>4. Electrical Components:</p> <p>(g) Alarms: The system should perform a self-diagnosis and check the autoclave for the following alarms and it should be audio/visual as per EN 285</p> <ol style="list-style-type: none"> a. minimum/maximum sterilization temperature alarm, b. no supply voltage/Power failure alarm, c. no generator water alarm, d. overload relay alarm, e. no mains water alarm, f. maximum generator water load time alarm, g. temperature probe & Pressure Transducer fault alarm, h. minimum/maximum chamber pressure alarm, i. door opening residual chamber pressure alarm, j. chamber vacuum tightness alarm, k. maximum phase time alarm, l. air in chamber alarm (calculated), m. Maximum time steaming, 	Tender terms & conditions prevail.

	<p>n. Maximum time vacuum, o. Maximum time for heating, p. Maximum drying phase alarm. q. Doors not properly closed alarm, r. Door open during cycle alarm, Point (s)It should have integrated degassing system. (t)It should have an integrated discharge cooling device which would not discharge water of more than 70 degree C The system should ensure that no liquid discharge should be of more than 70 deg C.</p> <p>Queries Details points need to ‘Deleted’ for simplicity of users. In substitute of that we can add Automatic process checking and failure corrections are provided with the Siemens control system. In the event of an anomaly during the sterilization cycle, the process enters an alarm phase which safely and automatically will end the process automatically. The range of alarms include : Chamber high pressure Low water level in generator Generator high pressure Chamber Pt100 temp. sensor error Generator high temperature Water pump operation time out SELF DIAGNOSTIC PROGRAM Siemens features a comprehensive alarm/alert system, with automatic triggering of pre-programmable information alerts(service intervals, maintenance etc). These two points need to be ‘Deleted’ Reason: Not applicable for Sterilizer</p>	
8	<p>RAPID STERILIZER (FLASH AUTOCLAVE)TABLE TOP STERILIZER WITH ACCESSORIES FOR TSSU Point 13: Control Panel: The control system should have Digital input/output controls, analog measuring inputs & COM ports for printer & PC connectivity, also with Alpha numeric Wide Graphic Display to indicate process status & to set the protocol with soft keypad. It should have Visual indicator provided by the same Wide Graphic Display to indicate process status.</p>	Wide Graphic part ‘Deleted’

	<p>Queries</p> <p>Wide Graphic part need to be ‘Deleted’ Reason: There is no space for ‘Wide Graphic’ for small Tabletop model</p>	
9	<p>DOUBLE DOOR WASHER DISINFECTOR 300-360 Litre (10/15 DIN Trays) WITH ACCESSORIES Point No. 2</p> <p>The unit shall be suitable for electrical operation and would be complete with two water circulation pump of minimum 800-1200 litre/minute with sufficient capacity, two dryer blower pump, necessary valves & fittings.</p> <p>It should read as below: The unit shall be suitable for electrical operation and would be complete with One water circulation pump of minimum with capacity, dryer blower pump, necessary valves & fittings.</p>	Tender terms & conditions prevail.
10	<p>DOUBLE DOOR WASHER DISINFECTOR 300-360 Litre (10/15 DIN Trays) WITH ACCESSORIES Point No. 3</p> <p>The Management of Washer Disinfector for cycle process and various other menus and functions should be done through at least a 5” to 8” inch monochrome/multi coloured touch screen display with the password protection ensures control of the operator and the Programmable Logic Controller (Omron PLC).</p> <p>It should read as below: Unit to have Touch Screen or LCD display and operating console to have membrane key pad for durability.</p> <p>Reason: Simple to use for all CSSD and OT Staff’s</p>	Unit to have Touch Screen or LCD display and operating console to have membrane key pad
11	<p>Point 4 Chamber Capacity: Usable Volume should be 300 to 360L & should supply 15 Nos of standard DIN trays.</p> <p>It should read as Chamber Capacity: Usable Volume should be 300 to 360L & Should supply 10 / 15 Nos of standard DIN trays.</p>	Tender terms & conditions prevail.

	<p>Reason: It should be as per Product heading nomenclature i.e.; 10/15 DIN Trays</p>	
12	<p>Point 5 b) It should use Pneumatic valves since they that are durable with long life</p> <p>It should read as .It should use valves that are durable with long life</p>	Tender terms & conditions prevail.
13	<p>Point 5 j) It should have built-in drain cooling device</p> <p>This point need to be deleted</p>	Deleted
14	<p>Point 5 m) It should have provision for barcode tracking/RFID system, remote maintenance system, networking management system, remote connection via RS232 serial plug and data interface RS232 should be available.</p> <p>Barcode point needs to be 'Deleted'. This should read as below It should have provision for remote maintenance system, networking management system, remote connection via RS232 serial plug and data interface RS232 should be available.</p>	Tender terms & conditions prevail.
15	<p>Point 5 n) The noise level should be <65dB It should read as The noise level should be < 65dB</p>	Tender terms & conditions prevail.
16.	<p>Point 6e) Should have Thermal & Chemo-Thermal Washing.</p> <p>It should read as Should have Thermal & Thermal Washing. Since Chemo is not applicable</p>	Should have Thermal & Thermal Washing
17	<p>Point 12 i) emergency stop button of all of the machine functions (reset in stand-by with rotation and start-up of the cycle functioning with new start command) j) sensor system for the anti-flood level</p> <p>These two points need to be 'Deleted' since its not required.</p>	Tender terms & conditions prevail.

18	<p>Point 14 ALARMS: It should be with audio-visual alarms in case of Error(s). All Alarms should be with full explanatory text messages on the Display and the system should perform a self-diagnosis and check the autoclave for all the alarms and these alarms are displayed</p> <p>Self- diagnostic / checking and alarm display is not required. It should read as ALARMS: It should be with audio-visual alarms in case of Error(s). All Alarms should be with full explanatory text messages on the Display</p>	Tender terms & conditions prevail.
19	<p>LOW TEMPERATURE STRILIZER (Formaldehyde/H2O2) 120-150 L</p> <p>Nomenclature should read as below: LOW TEMPERATUTE PLASMA (H2O2) STERILIZER 100 – 120 L</p> <p>Reason: Detailed Technical specifications asked against this ‘Heading Description’ is for ‘Plasma’ Sterilizer; like: Should be environment friendly and have no toxic byproducts or harmful residues and should be approved of EPA / equivalent agencies to guarantee its non-harmful feature / Should be easy to install without any civil/ plumbing work and should be mobile on wheel for each movements.</p>	Tender terms & conditions prevail.
20	<p>LOW TEMPERATURE STRILIZER Point No. 1.</p> <p>The sterilizer process must have maximum material device manufacturers’ recommendations from major endoscopic equipment manufacturers. This point should be ‘Deleted’.</p> <p>Reason: Manufactures recommendation indicates specific brand and PROPRIETARY type certification which should not applicable for Open e tender. In substitute of that should add universal sterilization processes validation 10- 6 SAL (Sterility Assurance Level) by an EN ISO17025 accredited European laboratory.</p>	Deleted
21	<p>Point No. 4 Usable Rectangular chamber having volume of minimum 120-150 liters</p> <p>It should read as below:</p>	Usable Rectangular chamber having volume of minimum 120-150 liters with \pm 20% variation

	<p>Usable Rectangular chamber having volume of minimum 100-120 liters</p> <p>Reason: Standardization with market available single sizes with $\pm 20\%$. It'll reflect proper chamber volume requirement.</p>	
22	<p>Point No. 14.</p> <p>Should quote same make consumables having EPA-US/ European CE as mentioned below : a H2O2 Sterilant with concentration of 50-59% - Cassette or Cup= for 100 load cycles,</p> <p>It should read as below:</p> <p>Should quote same make consumables having EPA-US/ European CE as mentioned below : a H2O2 Sterilant with concentration of 50-59% - Cassette or Bottle = for 100 load cycles,</p> <p>Reason: Standard is H2O2 Sterilant coming in Cassette or Bottle.</p>	Cassette or Cup or Bottle
23	<p>ULTRASONIC CLEANER (40 L)</p> <p>Point No. 5.</p> <p>It should have digital read out timer and temperature setting (temperature adjustable from 30 to 90 °C) monitoring.</p> <p>It should read as below:</p> <p>It should have digital read out timer and temperature setting (temperature adjustable from 20 to 69 °C) monitoring.</p> <p>Reason: Standard temperature adjustable for Ultrasonic Cleaning process is up to maximum 69 °C</p>	Temperature shall be adjustable from 30 to 69 °C
24	<p>AIR COMPRESSOR</p> <p>Request to keep this scope of job as an optional within Turnkey Scope with compulsory CSSD Equipment's and Furniture's BOQ .</p> <p>Reason: CSSD vendors are not expert in this. It is better to keep this scope of job with Hospitals Electrical / AC vendors.</p>	Tender terms & conditions prevail.
25	<p>RO WATER PLANT -3000 LPH capacity</p> <p>Request to keep this scope of job as an optional within Turnkey Scope with compulsory CSSD Equipment's and Furniture's BOQ</p>	Tender terms & conditions prevail.

	<p>Reason: CSSD vendors are not expert in this. It is better to keep this scope of job with Hospitals Civil and Plumbing vendors.</p>	
26	<p>TURNKEY WORKS</p> <p>Request to keep this scope of job as an OPTIONAL, i.e.; Bidders can quote optionally with compulsory CSSD Equipment's and Furniture's BOQ.</p> <p>Reason: CSSD vendors are not expert in this. It is better to keep this scope of job with Hospitals Electrical, AC, Civil and Plumbing vendors. Successful bidder will submit required utility details with MEP Drawing and coordinate with hospital team for smooth commissioning of the CSSD Project.</p>	Tender terms & conditions prevail.
27	<p>VOLUME – V</p> <p>Bill of Quantities (BOQ)</p> <p>Rupees quoting format</p> <p>Allow us to quote imported items in Foreign Currency with revised BOQ as well as Foreign Currency Terms & Conditions.</p>	Revised BOQ is attached.
28	<p>Page 3, VOL04TechSpecs, Clause 1.t under Subhead: HORIZONTAL DOUBLE DOOR AUTOCLAVE 550-600 Litres (8 STU) WITH ACCESSORIES</p> <p>Point No t: It should have an integrated discharge cooling device which would not discharge water of more than 70 degree C. The system should ensure that no liquid discharge should be of more than 70 deg C.</p> <p>It should have an integrated discharge cooling device which would not discharge water of more than 50 degree C. The system should ensure that no liquid discharge should be of more than 50 deg C.</p> <p>It is beneficial for Project and would ensure better efficiency of the system. Kindly amend this point.</p>	Tender terms and conditions prevail.
29	<p>Page 5, VOL04 Tech Specs, Clause 4 under Subhead: DOUBLE DOOR WASHER DISINFECTOR 300-360 Litre (10/15 DIN Trays) WITH ACCESSORIES</p> <p>Chamber capacity should be 280 to 360 L</p>	Chamber capacity should be to accommodate 10/15 DIN Trays.

	<p>It is beneficial for Project and consume less space. Kindly amend this point.</p>	
30	<p>Page7, VOL04 Tech Specs, Clause 6 under Subhead: ULTRASONIC CLEANER (40L) Point No 8: Ultrasonic cleaner should be European CE /US FDA certified.</p> <p>Ultrasonic Cleaner is Class 1 Product therefore, notified European CE /US FDA is not compulsory.</p> <p>Kindly amend it to USFDA/European CE Compliance.</p>	Tender terms and conditions prevail.
31	<p>Page5, VOL01 NIT and PQ, Clause 1 under Subhead: Scope of Bid Point No 1.2 Brief Details : ESTIMATED COST CSSD EQUIPMENT : Rs. 500.0 Lakhs (Excluding CMC)</p> <p>The estimated budget of the tender for CSSD which is Rs. 5 Crore is not sufficient tender value. As per tender terms, the bidder will bear GST, custom duties and clearance charges, hence that budget of the tender will increase.</p> <p>We hereby request you to either amend tender value Rs. 6 to 7 Crore or bear tender GST, custom duties and clearance charges by you. This request is for betterment of project.</p>	Tender terms and conditions prevail.

The revised BOQ is attached.

The bid submission date is extended from 23.03.2018 to 27.03.2018 and bid security should be valid for 180 days from the date of original bid submission ie. from 16.03.2018.

All other terms & conditions remain unchanged.

Chief General Manager, HSCC (I) Ltd.
For and behalf of Director, IIT, Kharagpur