Out Come of the Pre-bid Meeting

- **The amendments made after pre-bid meeting held on 10/09/2015 are as under:-**
- **Revised due date :- Last date for submission of tender documents: 07/10/2015 up to 5.00PM**
- **Opening of Technical bid:- 8/10/2015 at 3.00PM**

Sl. No. of tender document	Points Raised by Representative of the Prospective Bidders	Recommendation of the Institute Committee
Technical Specifications		
1. Water Disinfector with Dryer		
a.	• Chamber capacity: Operational Volume should be up to 260 – 290 Ltrs. • Size: 260 to 290 Ltrs.	• **Chamber Capacity**: Operational volume should be up to 250 to 300 Ltrs.(15 to 18 DIN)
b.	• Standards & Norms: EN ISO 15883 & US FDA	• **Standard & Norms:** European CE / USFDA certified and process should be validated in accordance with EN ISO 15883.
c.	• Washer should have inbuilt heating elements in the sump for hot water supply. It should have provision of minimum 12-16KW heating elements.	• Washer should have inbuilt heating elements in the sump for hot water supply. It should have adequate capacity to heat the water (approx. 12-16KW heating elements).
d.	• The washer should have min 5"colour display touch screen on loading side and equipped with independent temperature monitoring and validation test port according to the latest international standards.	• The washer should have **min 5" or more colour display touch screen** on loading side and equipped with independent temperature monitoring and validation test port according to the latest international standards.
f.	• Washer should have internal memory to store data for min. 300 cycles. Additionally there should be a provision of USB to download cycles from the system.	• Washer should have internal memory to store data for approx. 200 or more cycles. Additionally there should be a provision of USB to download cycles from the system.
g.	• Washer should have a built in self cleaning debris filter. Upon completion of the wash phase, the flow through the filter should be reversed and debris should be back-flushed into the effluent drain.	• Washer should have a built in self cleaning debris filter. Upon completion of the wash phase, the flow through the filter should be reversed and debris should be back-flushed into the effluent drain **OR Washer should be equipped with triple filtration system.**
2. Ultrasonic Cleaner (20 Ltrs.)		
a.	• The units should be a compact free-standing bench model, with a built-in tank manufactured from high-quality stainless steel and a solid-state generator that sends ultrasonic (approx 42,000 cycles per second) impulses through wash water containing detergent and electrical heating; microprocessor controlled display with memory time and temperature functions.	• The units should be a compact free-standing bench model, with a built-in tank manufactured from high-quality stainless steel and a solid-state generator that sends ultrasonic (**approx 37000 - 42,000 cycles per second**) impulses through wash water containing detergent and electrical heating; microprocessor controlled display with memory time and temperature functions. • Construction:- External body should be made up of AISI 304 Stainless Steel • Internal body should consist of either AISI 304 or 316/L or 316Ti (20/10) • Cleaning program parameters should be adjustable as per following:- Time - 1 to 99 minutes. Heating - 20 to 50 degree Celsius Water flow - Off, Linear, Pulsed, mixed • Control Panel:- 1. LCD Display of at least 4 rows and 10 columns. 2. 16 keys control keyboard. 3. Printer output with printer to keep record of performed washing cycles. 4. Should have alarm and safely features for

		water level control, cover closure control, water temperature control and censor failure control.
3.	**Horizontal Steam Sterilizer (200 – 250Ltrs.) with Accessories**	
a.	• Firms must provide suitable local compressor/water softener/ R.O water system with each unit, as required	• Firm must provide suitable local Compressor System with each unit, as per requirement.
b.	• Standard: Conforming to USFDA and ASME Pressure Vessel	• Standard: Conforming to USFDA or European CE certified.
4.	**Horizontal Steam Sterilizer (900 – 1000 Ltrs.) with Accessories**	
a.	• Size: 900 to 1000 Ltrs and should have minimum processing capacity of 15 STU per cycle irrespective of volume in Ltr.	• Size: 900 to 1000 Ltrs and should have minimum processing capacity of **12 to 15 STU per cycle** irrespective of volume in Ltr.
b.	• Sterilizer should be equipped with 132 degree C pre-vacuum; 135degreeC, Liquid cycle with 121deg C with 45 mins exposure time and Gravity Cycle at 135deg C. All these cycles should be pre feed into the control system and should be validated as per AAMI ST8 or EN285 / US FDA standards.	• Sterilizer should be equipped with 132 degree C pre-vacuum; 135degreeC, Liquid cycle with 121deg C with 45 mins exposure time and Gravity Cycle at 135deg C. All these cycles should be pre feed into the control system and should be validated as per AAMI ST8 or EN285 / US FDA standards. • **Sterilizers without gravity cycle at 135 deg C will also be considered.**
c.	• Sterilizer should be supplied along with steam generator with minimum 70Kw capacity for faster cycle.	• Sterilizer should be supplied **along with or inbuilt steam generator with approx. 65 to 70Kw capacity** for faster cycle. • Colored display screen: One may ask for 4-8 inches colored screen.
d.	• Standard: Conforming to EN285, USFDA and ASME Pressure Vessel	• Standard: Conforming to **USFDA or European CE and Pressure Vessel should be certified as per ASME / PED guidelines.**
5.	**Heat Sealing Machine Manual**	
a.		To be added:- It should be microprocessor controlled and with constant temperature.
6.	**Closed Transport Trolley**	
a.		To be added:- • Product should be CE Certified /FDA/BIS approved.
7.	**Instrument Tray**	
a.		To be added:- • Product should be CE Certified /FDA/BIS approved.
10.	**Storage Racks:-**	
a.		To be added:- The rack should be made up '304' SS (chrome, nickel steel 18/10 14301) as an additional qualification and must be electrolytically polished.
11.	**Wash Stations with 2 sinks:-**	
a.		To be added:- • Product should be CE Certified /FDA/BIS approved.

Details of CIVIL WOKS	
a	i. Providing and fixing Ceramic glazed wall tiles (Somany / Kajaria / NTC – Make or equivalent standard make) 300 x 200 mm size on the base of 12mm thick cement mortar (1:3) after demolishing old plaster all complete with all taxes as per specification and direction of user: **Rate:____ / Sq. Meter**. **ii.** Providing and fixing vitrified tiles of size 2' x 2' for flooring of entire area, all complete with all taxes as per specification and direction of user**. Rate: _____/ Sq. Meter.** iii. Provision of RO water supply and storage facility (Water Tank of at least 1000 Liters; Qty. – 02 Nos. of standard make), plumbing work and other associated civil work. iv. Fabrication of bricks partion wall (as per drawing) with plaster with provision of drainage system. v. To provide false ceiling (aluminum) with LED Lights of complete area. vi. Renovation of existing Window by closing the same by a glass supported by aluminum frame. vii. Anti bacterial paint of the sterilize zone area. viii. Fire Fighting: Bidder should provide fire detection alarm and effective free fighting system. Bidder should provide adequate no. of Dry CO2 Cylinder – 2 Kg. with essential accessories. Cylinder should be certified by respective regulatory board.

	Details of ELECTRICAL WOKS
a.	i. Installation of Electrical Panel of 400A with provisions of Main Switches at various places required for operation of equipments. Four nos. of outlets with Main Switch of 63A (ISI; Havel's / L & T etc.) are to be provided for used with equipments. Apart from above, suitable quantity (at least 5 nos.) 5A / 15A power sockets are to be provided inside the space. General lightning (Tube / CFL & Fan) and ventilation (Suitable Exhaust Fan) are to be also provided. ii. Supply, installation and commissioning of 5 nos. of 2.0 Tr. Split Air-Conditioning System in sterilization and non-sterilization area with stabilizer of suitable capacity. Split Air-Conditioning System to be quoted should be energy efficient and 5 star rating. iii. Proper earthling should be provided for the equipment.

- **The site designated for the said work and adjoining areas were shown to the representative of prospective bidders. A layout plan with actual dimensions of the site was made available to them.**

- **The other terms & conditions as mentioned in the Tender Notice will remain the same.**

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