Specifications of OPD Department

1. B.P Instrument (Analog) with stethoscope

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page Number	Remarks
	Sphygmomanometer (BP apparatus)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Sphygmomanometer is a device used to measure blood pressure, composed of an inflatable cuff to restrict blood flow, and a mechanical manometer to measure the pressure			
2	**Operational Requirements**			
2.1	Aneroid sphygmomanometer having a dial to show clear numbers and pointer / needle for measurement of pressure			
3	**System Configuration**			
3.1	• Aneroid sphygmomanometer • Cuffs for adult size (regular) • Inflation bulb • Carrying pouch			
4	**Technical Specifications**			
4.1	Packed in easy carrying high quality pouch made of waterproof, cloth to accommodate cuff, and inflation bulb			
4.2	Gauge to be calibrated in 2 mm Hg units			
4.3	Must provide blood pressure cuffs for adult size (regular) and infant size			
4.4	Must come with stethoscope with the pouch.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above)			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's country. The conditions include climate, temperature and relative humidity.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 13485:2003/ AC:2007 for Medical Devices AND			
8	**Warranty & Maintenance Service During Warranty Period**			
8.1	Comprehensive warranty for 2 years after acceptance.			
8.2	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.			

9	**Authorization**			
9.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
10	**Installation and Commissioning & User Training**			
10.1	Not applicable			
11	**Documentation**			
11.1	User (Operating) manual in English.			
11.2	Certificate of calibration and inspection from factory.			
11.3	Shall accomplish the Qualification Criteria of the bidder mentioned in the main bid document			

2. Foot Step (2 Step)

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Foot Step (Double)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Footstool to assist patients ascending and descending examination/delivery table and beds in healthcare facilities.			
2	**Operational Requirements**			
2.1	Two step stairs for patient to mount on examination/delivery table and bed.			
3	**System Configuration**			
3.1	Foot Step (Double)			
4	**Technical Specifications**			
4.1	It shall be made of anti-corrosive and antirust treated epoxy powder coated steel with a tubular frame with heavy-duty washable finishes.			
4.2	Dimension: approximately 45 H x 45 W x 45 D cm.			
4.3	The foot step shall stand on all legs at the same time on a level surface.			
4.4	Top of the steps to have non-slip surface (e.g., embossed aluminium, stair grip or rubber)			
4.4	Feet to be fitted with heavy-duty rubber/plastic caps.			
5	**Accessories, spares and consumables**			
5.1	Not applicable.			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**			
7.2	CE or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

3. Knee Hammer

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Hammer, Reflex			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	A reflex hammer is used by physicians to test deep tendon reflexes.			
2	**Operational Requirements**			
2.1	Hammer, reflex testing, Taylor type.			
3	**System Configuration**			
3.1	Reflex hammer.			
4	**Technical Specifications**			
4.1	Hammer, reflex testing, Taylor type, regular size approximately 18cm.			
4.2	Solid metal handle, chrome plated, solid rubber head.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Single piece packing in plastic bag.			
6	**Operating Environment**			
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007.			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

4. Laryngoscope with various blades

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Laryngoscope Set, Children & Adult			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Laryngoscopy to assist endotracheal intubation of adults, children and infants during anaesthesia or resuscitation.			
2	**Operational Requirements**			
2.1	Battery powered laryngoscope unit (handle to take C-size batteries).			
3	**System Configuration**			
3.1	Laryngoscope set for children & adult, complete unit.			
4	**Technical Specifications**			
4.1	It shall have large hollow, cylindrical, slightly ribbed handle.			
4.2	Handle to be made of either chromium-plated or stainless steel.			
4.3	It shall have provision to insert two batteries (type LR14, size C, 1.5 V).			
4.4	It shall have provision for fitting various sizes and types of depressors.			
4.5	Light to be activated when depressor is engaged.			
4.6	Shall come with a set of four stainless steel depressors, with halogen bulb: **Macintosh type:** • Curved Nr 2, length approx. 110 mm • Curved Nr 3, length approx. 135 mm • Curved Nr 4, length approx. 155 mm **Miller type:** • Straight Nr 1, length approx. 100 mm			
4.7	It shall be autoclave able /sterilize able.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Spare bulbs: 3 nos. • Spare dry cell alkaline C batteries: 2 nos. • Durable protective plastic box or padded vinyl case: 1 no.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	country. The conditions include Climate, Temperature, Humidity, etc.			
6.2	It shall be battery operated system.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Not Applicable			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

5. Pulse Oximeter (Spot Check)

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Pulse Oximeter			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	For spot-check of percentage arterial oxygen saturation (SpO2, %) and pulse rate (HR, bpm) of all patient categories. Non-invasive monitor using a clip-on sensor placed on a finger or toe.			
2	**Operational Requirements**			
2.1	It shall be suitable for professional clinical use, all patient categories neonate, infant and adult.			
3	**System Configuration**			
3.1	Pulse Oximeter, complete unit with all standard accessories.			
4	**Technical Specifications**			
4.1	Ultra compact pulse oximeter integrated into finger/toe sensor clip.			
4.2	It shall be of robust, shock resistant design, which allows use in demanding environments.			
4.3	It shall accommodates finger/toe thicknesses 8 to 25mm.			
4.4	Facility of spot-check of arterial blood oxygen saturation (SpO_2) and heart rate (HR).			
4.5	It shall have one button operation, auto-off when not in use for 10 seconds.			
4.6	Clip with extended side flaps eliminates ambient light from the measurement.			
4.7	Measuring range: • SpO_2 30 to 100% (minimum graduation 1%) • HR 20 to 320bpm (minimum graduation 1bpm)			
4.8	Accuracy: • SpO_2 +/-2% in the range from 70 to 100% • HR +/-2% in the range from 30 to 250 bpm			
4.9	Display: Easy readable display shows operational status, SpO2, HR, signal strength (bar graph) and battery status.			
4.10	Alarm: Audio-visual alarm on operational status, SpO2<90%, sensor malfunction and loss of signal.			
5	**Accessories, spares and consumables**			
5.1	Accessories: • 2 x spare set of two batteries • 1 x Neck lanyard for carrying. • 1 x Strong protective carry bag.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Must provide user training to the end user.			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English.			
11.2	Service (Technical / Maintenance) manual in English.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish the Qualification Criteria of the bidder mentioned in the main bid document			

6. Stethoscope (High End)

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Stethoscope (High End)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	The stethoscope is used for listening to the beating heart of a human, or the lungs. It is also used for listening to the flow of the blood in the surrounding area of the heart.			
2	**Operational Requirements**			
2.1	Dual type stethoscope - Physician's stethoscope, high end type			
3	**System Configuration**			
3.1	• Stethoscope, dual cup/bell • Tubes			
4	**Technical Specifications**			
4.1	Dual, cup/bell and diaphragm head			
4.2	Head and ear tube assembly to be made of non-ferrous metal,			
4.3	Tubes to be synthetic material and ear tubes to have shaped plastic cushion ends.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007.			
7.2	Must submit CE or USDFDA certificate			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish preassembled type			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

7. Thermometer(Clinical)

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Digital Thermometer (Clinical)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
	For measuring temperatures and displaying it with LCD/LED			
2	**Operational Requirements**			
	Portable, battery operated system is required			
3.	**System Configuration**			
3.1	Digital Thermometer, portable, battery operated			
4	**Technical Specifications**			
4.1	Temperature measurement range: 32℃ to 43 ℃ (90°F to 110°F)			
4.2	LCD readout			
4.3	Temperature measurement accuracy : ± 0.1 ℃			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
6.2	Battery Operated			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE or USFDA approved product certificate.			
8.	**Warranty & Maintenance Service During Warranty Period**			
8.1	Comprehensive warranty for 1 year after acceptance.			
8.2	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
9	**Authorization**			
9.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
10	**Installation and Commissioning & User Training**			
10.1	Not Applicable			
11	**Documentation**			
11.1	User (Operating) manual in English.			
11.2	Service (Technical / Maintenance) manual in English.			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish the Qualification Criteria of the bidder mentioned in the main bid document			

8. Tongue Depressor

S.N.	Purchaser's Specifications		Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Tongue Depressor, Reusable				
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1	**Description of Function**				
1.1	A tongue depressor is used to depress the tongue to allow for examination of the mouth and throat.				
2	**Operational Requirements**				
2.2	Wieder / Andrew / Lack's, tongue depressor, reusable.				
3	**System Configuration**				
3.1	Set of Tongue Depressors, stainless steel.				
4	**Technical Specifications**				
4.1	**Sizes:** • Adult: 22mmwide. • Adolescence: 19mm wide. • Children: 13mm wide.				
4.2	Material: High grade fully stainless steel, corrosion resistance.				
4.3	Workmanship: Both ends slightly curved in opposite direction.				
4.4	Finish: Bright polish, smooth surface without any burr, pits and scratches.				
4.5	Autoclave able.				
5	**Accessories, spares and consumables**				
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
6	**Operating Environment**				
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.				
7	**Standards and Safety Requirements**				
7.3	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices **AND**				
7.4	CE or USFDA approved product certificate.				
8	**Installation and Commissioning & User Training**				
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.				
8.2	Must provide user training (including how to use and maintain the equipment)				
9	**Warranty & Maintenance Service During Warranty Period**				
9.1	Comprehensive warranty for 1 year				

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

9. View Box

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	View Box (LED, Double Film)			
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
1	**Description of Function**			
1.1	View box used for viewing the images of X-ray, CT/MRI at healthcare facilities.			
2	**Operational Requirements**			
2.1	Double film LED view box, operates on mains electric supply.			
3	**System Configuration**			
3.1	LED View Box (Double Film, each film has maximum size of 43cmX 35cm), complete unit.			
4	**Technical Specifications**			
4.1	Ultra slim design.			
4.2	LED backlit and shall have separate on/off function with separate rotary continuous adjustable brightness control at the bottom of panel for convenient operation.			
4.3	It shall have fully electronic continuous brightness control with adjustment range approx. up to 90%.			
4.4	Shall have no lag period in intensity modulation.			
4.5	Front sheet shall be made of polycarbonate or acrylic with antiglare.			
4.6	Shall have sturdy film clamping mechanism with automatic sensor induced on/off system.			
4.7	Illumination: High bright white LEDs.			
4.8	It shall have homogeneous illumination and shall have luminance of more than 1600 cd/m^2.			
4.9	LED light source shall have at least 20000 hours of operation.			
4.10	Shall be able to hold two full large size CT/MR films at a time and each film has maximum size of 43cmX 35cm.			
5	**System Configuration Accessories, spares and consumables**			
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.			
6	**Operating Environment**			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**			
7.2	CE or USFDA approved product certificate.			
8	**Installation and Commissioning & User Training**			
8.1	Must provide ready to use unit			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after installation			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

10. Weighing Scale with height measurement

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Weighing Scale with height measurement			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Weighing the mass of a patient or user along with attached height measurement unit			
2	**Operational Requirements**			
2.1	Mechanically operated dial type adult weighing scale with height measurement unit			
3	**System Configuration**			
3.1	Weighing scale-Adult bathroom type with large face dial			
4	**Technical Specifications**			
4.1	Large face dial with large clear numbers and pointer/needle.			
4.2	Base to be flat, of easy clean surface (Metal with heavy-duty washable finish) and must have non-slip surface.			
4.3	Equipment must be simple to use, operate and maintain.			
4.4	Scale to weigh 0 to 150 Kg in increments of 500g and to have Tare/Zero adjustment system			
4.5	Inbuilt or Separate height measurement Stand that can measure height up to 7.5 feet with increments of 1 inch			
5	**Accessories, spares and consumables**			
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007.			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1year after acceptance			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

11. Examination Bed

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Couch, Examination (Examination Bed)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Examination couch for use of health checkup and treatment of patients.			
2	**Operational Requirements**			
2.1	An examination couch with upholstered top in two pieces. Adjustable headrest on gas spring.			
3	**System Configuration**			
3.1	Examination couch with mattress.			
4	**Technical Specifications**			
4.1	The examination couch shall be made of a solid steel sheet and plate construction with anti-corrosive and antirust treated epoxy powder coating with upholstered top.			
4.2	All 4 legs of the bed shall be capped with heavy duty rubber footings.			
4.3	Overall size of the table must not be less than 1890mm L x 600mm W x 825mm H			
4.4	Strong Mild steel tubular construction epoxy powder coated treated. The top base of machine pressed double bent Mild steel sheet epoxy powder coated treated finish			
4.5	Gas spring assisted adjustable backrest of approx. size 450mm L x 310mm H with upholstered top.			
4.6	Upper section with drawers lower section comprises of cabinet with lockable sliding door.			
4.7	Swinging tray must be attached near headrest for BP apparatus and/or other health checkup minor equipment.			
4.8	The mattress shall be foldable and shall be designed to bend with the positioning of the bed when the backrest of the bed is adjusted. Bidder shall indicate the weight capacity and the total weight of the mattress in kilogram (kg)			
4.9	The mattress shall have mid-firmness, with foam density of approximately 0.55kg/ cubic foot, to avoid that the patient would sink down into foam with antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover.			
4.10	The joints must be smooth and neat finish.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.			
6	**Operating Environment**			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**			
7.2	CE or USFDA approved product certificate.			
8.	**Warranty & Maintenance Service During Warranty Period**			
8.1	Comprehensive warranty for 1 year after acceptance.			
8.2	During warranty period supplier must ensure corrective/ breakdown maintenance whenever required.			
9	**Authorization**			
9.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
10	**Installation and Commissioning & User Training**			
10.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
10.2	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
11	**Documentation**			
11.1	User (Operating) manual in English.			
11.2	Service (Technical / Maintenance) manual in English.			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish the Qualification Criteria of the bidder mentioned in the main bid document			

12.Peri-Lamp

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Peri-Light			
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
1	**Description of Function**			
1.1	To be used in labour room in hospital and for Postpartum Perineal care of patient.			
2	**Operational Requirements**			
2.1	Shall operate on mains AC supply.			
3	**System Configuration**			
3.1	Peri-light, complete unit.			
4	**Technical Specifications**			
4.1	Light weight and easy to carry.			
4.2	The lamp can easily be positioned up to 40 degrees backwards.			
4.3	Power: 50 Watt or more with extra focus. Bidder to specify the power of lamp.			
4.4	Shall have on/off switch.			
4.5	Shall have facility to focus the light on specific area.			
4.6	Shall have long lifespan of lamp. Bidder to specify the lifespan of lamp.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Spare lamp: 01 no.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 metres long.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

13.Bivalve Speculum

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Speculum, bivalve			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.2	To hold open the vaginal opening for inspection of the vaginal cavity			
2	**Operational Requirements**			
2.3	Stainless steel, reusable Bivalve speculum, double bladed.			
3	**System Configuration**			
3.1	Bivalve speculum of three different sizes.			
4	**Technical Specifications**			
4.1	**Approx. Dimensions:** • Large: 110x37mm • Medium: 90 x 36 mm • Small: 80 x 24 mm.			
4.2	Material: High grade fully stainless steel, corrosion resistance.			
4.5	Workmanship: All surfaces shall be free from burrs, pits, cracks. Edges shall be smoothly rounded off & shall not be sharp.			
4.6	It shall be autoclave able/sterilize able.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
7	**Standards and Safety Requirements**			
7.5	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.6	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
9.1	Comprehensive warranty for 1 years after installation			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

14.Foetal Doppler

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Doppler, Foetal (Portable)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.3	To detect the foetal heartbeat for prenatal care			
2	**Operational Requirements**			
2.4	Use Doppler effect to provide audible simulation of foetal heart beat			
3	**System Configuration**			
3.1	Foetal Doppler , Handheld, Portable type, in-built battery			
4	**Technical Specifications**			
4.1	Should be portable/handheld, lightweight and easy to carry.			
4.2	It should have ultrasound pulse Doppler with auto-correction.			
4.3	Suitably Placed LCD display of function and parameters,			
4.4	The ultrasound frequency should at least be 1.0 MHz with increment or decrement of 10%			
4.5	Ultrasound output should at least be 10mW/cm^2			
4.6	Built-in Speaker with output not less than 1.0 W			
4.7	Power consumption should not be more than 30V A			
4.8	Should operate on inbuilt rechargeable batteries.			
4.9	Continuous operation time should at least be 100min			
4.10	Charging time should not be more than 70 min			
4.11	Transducer probe with curled wire connection to the main unit, length at least 35 cm			
4.12	The FHR measurement range should be 50bpm to approx 240 bpm			
4.13	Should have bright LCD screen displaying ●Operating conditions ●Setting ●Battery Level ● Abnormal conditions			
4.14	The internal memory should hold at least 10 minutes x 160 items of measurement results for the heart rate. Should have facility for FHR data transfer to PC			
4.15	Should have external output terminal and ear phone jack			
4.16	Battery charger with AC adaptor should be provided			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
5.2	• 2x tunes of ultrasound gel, approximately 350ml • 2x set of batteries • 1x soft carry bag easy to clean			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
7	**Standards and Safety Requirements**			
7.7	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.8	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

15. Dressing Trolley

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Trolley, Dressing			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Basic trolley for transport of nursing supplies between departments in healthcare facilities.			
2	**Operational Requirements**			
2.1	Stainless steel dressing trolley with 2 shelves.			
3	**System Configuration**			
3.1	Dressing Trolley, complete unit.			
4	**Technical Specifications**			
4.1	Heavy carriage mounted on 4 swivel anti-static castors, of which two with brakes.			
4.2	Fit on both sides with push bar-handle.			
4.3	Top and bottom shelves with guard rails.			
4.4	Protective bumpers at all four corners.			
4.5	**Materials:** • Frame and tray: Austenitic stainless steel 18/10.			
4.6	**Dimensions:** • Overall: Approximately (± 10%) 900 x 550 x 1000mm (l x w x h). • Frame, diameter: 30mm. • Thickness of shelves: Approximately 1.5mm • Swivel castors approx. diameter: 100mm. • Carrying capacity: Approx. 100kg.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**			
7.2	CE or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

16.ENT Set-Full Set

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	ENT Set-Full Set			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Instrument set for ENT examination and treatment.			
2.	**Operational Requirements**			
2.1	Complete autoclave able instrument set for ENT examinations			
3	**System Configuration**			
3.1	ENT Instruments Set, details can be found in technical specifications.			
4	**Technical Requirements**			
4.1	Each pack must be packaged in a hospital grade cotton wrapper (autoclave-able) as a complete pack. Bulk loose instrument supply is NOT acceptable. Each of the individual instruments of a set must be packed in a labelled clear plastic wrapper for easy identification. All individually packed instruments of a set shall then be packed together in a larger clear plastic wrapper labelled with the name of the set for easy identification.			
4.2	Instrument surfaces must NOT be stamped, indented or scratched.			
4.3	Particular attention must be paid to the quality of box joints to ensure that they are smooth and interlock well, and to teeth and grips to ensure that they meet and interlock well. Finger rings must be of proper size and shape for maximum utility and comfort. The inside of finger rings must be well rounded and free of sharp edges, rough areas and grinding marks, cracks, overlaps, burrs.			
4.4	Jaw serration must be well cut and defined and must mesh properly when the jaws are fully closed. The edges of the serration must be well chamfered and must not contain burrs and sharp edges. Teeth must be sharp (unless otherwise specified), of proper size and shape, free of rough edges or burrs, and must mesh with sufficient accuracy to ensure proper performance for the use intended.			
4.5	Ratchet and ratchet catches must be properly aligned and undercut for safe locking. Ratchets must be of such design as to ensure easy and positive engagement and proper disengagement. Ratchets and ratchet catches must be free of burrs and sharp edges.			
4.6	Locks, forceps and similar instruments must be of the box lock type or lap joint type. All type of locks must be accurately fitted, without stiffness and without crevices, burrs or sharp edges			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	anywhere in the construction.			
4.9	Screws of screw lock scissors and other instruments must be the concentrically mustered type, countersunk, flush with, or slightly below the surface or rounded, smooth and flush at the periphery, but not riveted. The screw must retain their position after setting without binding or loosening during use.			
	Scissors			
4.10	The ROCKWELL hardness of the finished instruments must be within the range from 50 HRC to 58 HRC. Opposite blades must not vary in hardness by more than 4 units on the ROCKWELL hardness scale.			
4.11	Scissors must have joints, which move smoothly and must be neither too loose nor too tight: it must be possible to close and reopen the instrument easily with two fingers.			
4.12	The cutting ability of the instrument must be tested. The instrument must cut clearly without tearing.			
4.13	The finish and all edges and surfaces must be uniform and free of burrs, sharp edges (except where required), pores, crevices, gins marks, rough areas, cracks and overlaps.			
4.14	**The instruments required are listed below,** bidder MUST provide full description of all instruments (description includes: full name, type, shape, design, full length, volume and etc.) required below for the evaluation.			
4.15	**Instruments Required**			
I	**ENT instrument set (Morten) with all standard accessories consisting of (or similar):** • Hartmann Crocodile Forceps 3" shaft • Jobson Horne Ring Probe • Thudicum Nasal Specula No.0 • Thudicum Nasal Specula No.1 • Thudicum Nasal Specula No.2 • Thudicum Nasal Specula No.3 • Thudicum Nasal Specula No.4 • Tilley Aural Forceps • Tilley Nasal Forceps • Wax Hook • Carrying case			
II	**ENT diagnostic set with standard accessories consisting of (or similar):** • Spare bulb • Bent arm throat lamp • Illuminated tongue depressor • Laryngeal mirror 22mm diameter • Post-Nasal mirror 18mm diameter • Carrying case			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
4.16	All instruments must be supplied free of residual scale, acid, grease and grinding and polishing materials and workmanship must be first class throughout. Instruments must be free of defects, which detract from their appearance or impair serviceability, proper functioning and intended use.			
4.17	Bidder MUST attach product catalogues with photos for all instruments as mentioned. These catalogues/photos MUST clearly and correctly mark with non-erasable making pen their respective parameter line number (shown on the left column) and instrument name.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The instrument offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Must supply ready to use unit.			
8.2	Training not applicable			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after delivery			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

17. Otoscope

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Otoscope Set			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Otoscope is used for examination of the inner ear, canal and tympanic membrane.			
2	**Operational Requirements**			
2.1	Compact system, battery operated.			
3	**System Configuration**			
3.1	Otoscope set with all standard accessories.			
4	**Technical Specifications**			
4.1	Otoscope set shall have diagnostic head threaded on a handle.			
4.2	Shall have pivoting head with a wide-angle viewing lens of magnification 3x.			
4.3	Shall come with reusable plastic specula, which can be attached to frontal part.			
4.4	Shall have halogen bulb, 2.5V with bright white light.			
4.5	Handle shall have on/off switch.			
4.6	Shall works with 2 AA-batteries (1.5V / LR6 alkaline).			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • 1 x spare 2.5V halogen bulb. • 1 x set of 2 AA-batteries (1.5V / LR6 alkaline). • 1 x set of 8 reusable plastic specula, 2 of each diameter: 2.5, 3.0, 4.0 and 5.0 mm. • 1 x storage case.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.9	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.10	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of			

	the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

18.Bull's Eye Lamp

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Bull's Eye Lamp			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Bull's Eye Lamp used in ENT Department.			
2	**Operational Requirements**			
2.1	Bull's Eye Lamp			
3	**System Configuration**			
3.1	Bull's Eye Lamp, complete set			
4	**Technical Specifications**			
4.1	Heavy base on which complete device stands			
4.2	Base must be fitted with at least three castor wheels			
4.3	Sliding Arrangement which supports the lamp assembly and consists of upper half of an upright, and a ball & socket joint attached to an arm			
4.4	Lamp Assembly : Main part of the devices housing the lamp, condenser lens and reflectors, and upper & lower detachable parts of the lamp housing with ventilation holes			
4.5	Lamp : LED/Halogen			
4.6	Metallic Brass Head with glass			
4.7	Light color : white			
5	**Accessories, spares and consumables**			
5.1	**Accessories:**			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above)			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.11	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
8.	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			

9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

19.Speculum, Nasal

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Speculum, Nasal			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.4	To be used for nose diagnosis / treatment.			
2	**Operational Requirements**			
2.5	Nasal speculum, reusable for adult			
3	**System Configuration**			
3.1	Nasal Speculum, adult			
4	**Technical Specifications**			
4.1	Material: High grade fully stainless steel, corrosion resistance.			
4.2	Finish: Mirror finish.			
4.3	Autoclave able.			
4.4	Shall provide adult size, straight, double spring.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
7	**Standards and Safety Requirements**			
7.12	Must submit ISO 9001 or ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.13	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must provide ready to use unit			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Warranty for 1 years			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

20.Tuning Fork

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Tuning Fork			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.5	Tuning forks are used to clinically test hearing and identify the type of hearing loss.			
2	**Operational Requirements**			
2.6	Used to test hearing and identify the type of hearing loss.			
3	**System Configuration**			
3.1	Tuning Fork set, Ready to use			
4	**Technical Specifications**			
4.1	Set of different Tuning Fork of frequencies 256 Hz, 512 Hz and 1024 Hz			
4.2	Must include a pad to strike on			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
7	**Standards and Safety Requirements**			
7.14	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must provide ready to use unit			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Warranty for 1 year			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

21.Autoclave

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Autoclave			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
	Autoclave Machine used for sterilization of surgical instrument			
2	**Operational Requirements**			
	Autoclave unit to be used inside the department			
3	**System Configuration**			
3.1	Autoclave unit, electric			
4	**Technical Specifications**			
4.1	Pressure range upto 30psi			
4.2	Made of stainless steel/ aluminium type			
4.3	Capacity: Approx. 20 Ltr			
4.4	It should have safety valve, steam release valve and vacuum release valve.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
5.2	Gasket: 3 (1 inside with machine and 2 no.(extra)) Autclave drum : 1 (Suitable SS Autoclave drum) Aluminum bucket: 01 of suitable size.			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
7	**Standards and Safety Requirements**			
7.15	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must provide ready to use unit			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Warranty for 1 year			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

22.Burs

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Autoclave			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
	Dental Bur commonly used for both interproximal reduction and cutting in dentistry.			
2	**Operational Requirements**			
	Dental Burs, Different sizes			
3	**System Configuration**			
3.1	Dental Burs, Complete Set			
4	**Technical Specifications**			
4.1	Diamond powder must be coated on shaped end of surgical steel shank for a variety of dental procedures. Our bonding guarantees uniform positions of diamonds and more exposed diamond surfaces.			
4.2	Must guarantee uniformity of the diamonds			
4.3	Different latch type contra angle hand-piece burs. 202 type : for shank length 16mm – 1 box 204 type : for shank length of 22 mm – 1 box 205 type : for shank length 26 mm – 1 box 206 type : for shank length 34 mm – 1 box			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.			
7	**Standards and Safety Requirements**			
7.16	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must provide ready to use unit			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Warranty for 1 year			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

23.Dental Air Compressor-2HP

SN	Purchaser's Specification	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Manufacture			
	Brand			
	Type/ Model			
	Country of Region			
1	**Description of Function**			
1.1	A dental air compressor pressurizes atmospheric air for use in dental procedures. After capturing and compressing oxygen, it cleans and dries the gas and stores it away to be used for handsets, drills, and other types of units that need out ultra-clean compressed air to function.			
2	**Technical specification**			
2.1	Oil Free medical grade mono block Compressor with double head.			
2.2	Mounted on High Pressure deep drawn MS tank which is highly polished.			
2.3	Fitted with: Radiator/Powerful cooling fan/silicon Column filter for drying/filter.			
2.4	Start up Pressure : 0.4 MPa			
2.5	Max Pressure :0.75Mpa			
2.6	Air Flux : 280L/min			
2.7	Rev : 1400r/min			
2.8	Power : 2HP			
2.9	Capacity : 55L			
2.1	Portable type			
3	**Accessories, Spare and Consumables**			
3.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
4	**Standards and Safety Requirements**			
4.1	CE approved product certificate			
4.2	Must submit ISO13485:2003/AC:2007 for Medical Devices AND			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 2 years after installation			

9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

24.Dental Chair-Electric

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Dental Chair-Electric			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Dental chair required for dental examination and surgical procedures.			
2	**Operational Requirements**			
2.1	Physiological dental chair operated by electricity, upholstery of good material and soothing colour.			
3	**System Configuration**			
3.1	Dental Chair-Medium complete unit and with complete accessories.			
4	**Technical Specifications**			
4.1	Fully adjustable back rest and head rest			
4.2	Electrical, operated water control for basin/bowl which is Ceramic.			
4.3	Body of the chair and unit is painted and rust proof.			
4.4	Sensor Controlled Lights with Halogen bulbs 12v, 55w, and 2 intensity with 4 bulbs spare or LED light.			
4.5	Reversible and Autoclaveable steel tray connected to articulatory arm. 20 plastic Autoclaveable instrument trays.			
4.6	High power motorized saliva ejector (2 bottles) with pressure gauge.			
4.8	Control box with water control – Air motor and hand piece (straight and contra – angle), fibre optic air rotor hand piece.			
4.9	Ultrasonic scaler & endo unit with different types of endo tips & Scaler tips – 14 each of endo tip and scaler.			
4.10	Light cure unit (LED) with protective shield and preset timings.			
4.12	Mounted Dental X-ray box (OPG film size).-LED Generated			
4.13	**Operating Light:** • With luminosity adjustable from 20000 to 30000 lux with 180 degrees of rotation of light arm movements. • Must get ON and OFF with No-touch system for maintaining proper sterilization while working. • Colour temperature of the light must be around 5000 Angstroms. • Light must allow Vertical, Horizontal, and Axial & Diagonal Movements for proper Focusing.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Ergonomic Pneumatic stool. 2 Nos. (one for Dental surgeon and one for Assistant) • 2 Air rotor hand piece (push type) • 1 Straight handpiece • Provision for modular furniture with sink for dental operator			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	10feet x 10 feet.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for electrical safety IEC-60601.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 2 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

25.Dental Instruments Set

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Dental Instruments Set			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Instrument set for dental examination, dental surgery and dental treatment			
2	**Operational Requirements**			
2.1	The Dental Instruments must be made of highest quality materials e.g. stainless steel (S/S) for metal devices.			
2.2	Instruments must be made from surgical quality, preferably non-magnetic stainless steel and must be matt surface finish. Quality must comply with EN 46002 and ISO 9002 and / or their latest amendments.			
2.3	Each pack must be packaged in a hospital grade cotton wrapper (autoclave-able) as a complete pack. Bulk loose instrument supply is NOT acceptable. Each of the individual instruments of a set must be packed in a labelled clear plastic wrapper for easy identification. All individually packed instruments of a set shall then be packed together in a larger clear plastic wrapper labelled with the name of the set for easy identification.			
2.4	Instrument surfaces must NOT be stamped, indented or scratched.			
2.5	Particular attention must be paid to the quality of box joints to ensure that they are smooth and interlock well, and to teeth and grips to ensure that they meet and interlock well. Finger rings must be of proper size and shape for maximum utility and comfort. The inside of finger rings must be well rounded and free of sharp edges, rough areas and grinding marks, cracks, overlaps, burrs.			
2.6	Jaw serration must be well cut and defined and must mesh properly when the jaws are fully closed. The edges of the serration must be well chamfered and must not contain burrs and sharp edges. Teeth must be sharp (unless otherwise specified), of proper size and shape, free of rough edges or burrs, and must mesh with sufficient accuracy to ensure proper performance for the use intended.			
2.7	Ratchet and ratchet catches must be properly aligned and undercut for safe locking. Ratchets must be of such design as to ensure easy and positive engagement and proper disengagement. Ratchets and ratchet catches must be free of			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	burrs and sharp edges.			
2.8	Locks, forceps and similar instruments must be of the box lock type or lap joint type. All type of locks must be accurately fitted, without stiffness and without crevices, burrs or sharp edges anywhere in the construction.			
2.9	Screws of screw lock scissors and other instruments must be the concentrically mustered type, countersunk, flush with, or slightly below the surface or rounded, smooth and flush at the periphery, but not riveted. The screw must retain their position after setting without binding or loosening during use.			
	Scissors			
2.10	The ROCKWELL hardness of the finished instruments must be within the range from 50 HRC to 58 HRC. Opposite blades must not vary in hardness by more than 4 units on the ROCKWELL C harness scale.			
2.11	Scissors must have joints, which move smoothly and must be neither too loose nor too tight: it must be possible to close and reopen the instrument easily with two fingers.			
2.12	The cutting ability of the instrument must be tested. The instrument must cut clearly without tearing.			
2.13	The finish and all edges and surfaces must be uniform and free of burrs, sharp edges (except where required), pores, crevices, gins marks, rough areas, cracks and overlaps.			
3	**System Configuration**			
3.1	Dental Instruments Set			
4	**Technical Specifications**			
4.1	**The instruments required are listed below,** bidder MUST provide full description of all instruments (description includes: full name, type, shape, design, full length, volume and etc.) required below for the evaluation.			
4.2	**Instruments Required**			
I	Explorer			
II	Mouth mirror with handle			
III	Tweezers			
IV	Surgery (Extraction of teeth)			
i	**Adult forceps:** **Upper** • Upper Incisor forceps • Upper premolar forceps • Upper right molar forceps • Upper left molar forceps • Upper last molar (Wisdom teeth) forceps (Bennet forceps) **Lower** • Lower incisor forceps			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	• Lower premolar forceps • Lower molar forceps			
ii	**Paediatric forceps:** • Upper Incisor • Upper molar (right & left) • Lower incisor • Lower molar			
V	**Elevators:** • Periosteal elevator (small & large size) • Straight Elevator (small & large size) • Cryer elevator (right & left) • Cross bar elevator (right & left) • Excavator (small & large) • Surgical Blade Handle			
VI	**Instruments for filling:** • Glass slab • Cement Spatula • Plastic Instrument			
VII	**Periodontal Instruments:** • Periodontal probe • Interdental scalar • Peri scaler (Right & left) • Sickle scalar (right & left) • Curette-small size (right & left) • Curette-big size (right & left)			
VIII	Instrument tray, stainless steel of suitable size.			
4.3	All instruments must be supplied free of residual scale, acid, grease and grinding and polishing materials and workmanship must be first class throughout. Instruments must be free of defects, which detract from their appearance or impair serviceability, proper functioning and intended use.			
4.4	Bidder MUST attach product catalogues with photos for all instruments as mentioned. These catalogues/photos MUST clearly and correctly mark with non-erasable making pen their respective parameter line number (shown on the left column) and instrument name.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The instrument offered shall be designed to store and to operate			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

26.Dental Scaler Unit

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Dental Scaler Unit			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Scaler is required for removing the teeth scales, tartars and plaques.			
2	**Operational Requirements**			
2.1	Microprocessor/microcontroller based system.			
3	**System Configuration**			
3.1	Dental Scaler, complete unit.			
4	**Technical Specifications**			
4.1	Based on piezoelectric technology.			
4.2	Having torque, tool for tightening of the tip.			
4.3	High power turbo mode and low power perio mode.			
4.4	Having titanium tip adapter.			
4.5	Automatic smart power feedback control.			
4.6	Basic vibration frequency of 25-50 KHZ.			
4.7	Ten tips for scaler and one endodontic kit with ten sets of Ni Ti reamer and files, spreaders, pluggers.			
4.8	Foot pedal.			
4.9	Separate control for water and tip vibration.			
4.10	Autoclaveable hand piece.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for electrical safety IEC-60601.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

27.Electrical Pulp Tester (EPT)

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Electric Pulp Tester (EPT)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Electric Pulp tester is used to examine vitality of dental pulp using electrical stimulation			
2	**Operational Requirements**			
2.1	Electric Pulp Tester to be used in Dental Clinic			
3	**System Configuration**			
3.1	Electric Pulp Tester, battery operated			
4	**Technical Specifications**			
4.1	Must be battery-operated			
4.2	Input maximum voltage must be approx. 80V			
4.3	Must have pre-set speed mode (high-mid-low speed). A gentle, pulsed stimulus begins to increase at a rate			
4.4	There should be feature of a gentle pulsed stimulus in the beginning.			
4.5	There should be facility of auto power off when not in use to save the battery consumption			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for electrical safety IEC-60601.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance and			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

28.Endo Motor for RCT

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Endo motor for RCT			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1				
2	**Operational Requirements**			
2.1				
3	**System Configuration**			
3.1	Cordless endo motor, compact, flexible and easy to operate			
4	**Technical Specifications**			
4.1	Must contain LCD/LED display with backlight, easy to discern at any angle.			
4.2	Must have adjustable rotation speed and torque			
4.3	Must contain at least three automatic control modes : auto stop, stop after auto reverse and Forward after auto reverse			
4.4	Must be re-chargeable battery operated			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	(Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

29. Suction Machine

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	To extract fluid from the body during surgery or emergency treatments.			
2	**Operational Requirements**			
2.1	An electric double jar suction pump for surgical use.			
3	**System Configuration**			
3.1	Suction machine with two bottles and accessories.			
4	**Technical Specifications**			
4.1	It shall be mounted on four robust, fully 360 degree swiveling, antistatic, non-marking grey tires castors, minimum size 75 mm with at least 2 diagonal brakes.			
4.2	Come with suction controller and vacuum gauge / indicator.			
4.3	The pump shall be oil free vacuum pump where the pumped liquid shall be sealed off from the pump.			
4.4	Come with overflow control valves. Bidder shall provide technical design and details of the pump with this TSF			
A	Vacuum rate shall be from 0 to not less than 640 mmHg (0.85 bars).			
B	Air flow rate shall be at least 25 l/min.			
C	The pump shall come fitted with twin unbreakable, transparent, autoclaveable suction bottles minimum 2 litre each.			
D	The bottles shall be incorporated with an automatic suction cut-off mechanism when they become full.			
E	The suction bottles shall come with overflow lid.			
4.5	Noise level: not more than 60 dB.			
4.6	Air discharge from pump shall be filtered by a 0.3 micron bacterial hydrophobic filter.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:**			
a	Electrical cable: 1 minimum 3 meter length			

b	Clear suction tubing: 1set of 5 meter length			
c	Bacterial filter: 0.3 micron,10 pcs			
	Spare unbreakable, transparent, autoclaveable polycarbonate suction bottle 2L: 1pc			
	Complete connection tubing set: 1 set			
	Hand switch & foot switch with cables for operating easily.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Must operate on 220-240V AC as well as rechargeable batteries.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 13485:2003/AC:2007 for medical devices AND			
7.2	European CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Shall meet IEC-60601-1-2 General Requirements of Safety for equipment.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must supply preassembled unit, ready to use			
8.2	User Training, not applicable			
	Inspections to verify the compliance of the offered equipment as per specifications will be conducted by the technical team appointed by the purchaser.			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 year after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer’s Authorization or Local Distributor Authorization (Manufacturer’s Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			

11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

30.Direct Ophthalmoscope(Portable)

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Direct Ophthalmoscope(Portable)			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Direct ophthalmoscope is an instrument designed to visualize the interior of the eye, with the instrument relatively close to the subject's eye and the observer viewing an upright magnified image.			
2	**Operational Requirements**			
2.1	Compact system, operate on rechargeable battery.			
3	**System Configuration**			
3.1	Direct Ophthalmoscope, complete unit with all standard accessories.			
4	**Technical Specifications**			
4.1	Light source: Halogen/Xenon bulb.			
4.2	Shall have dust free sealed optics.			
4.3	Shall have red free and cobalt blue filter.			
4.4	Shall allow one-hand operation for streak focus and 360º streak rotation.			
4.5	Shall have universal convertible handle.			
4.6	Shall have Nickel- Cadmium/Lithium ion rechargeable battery.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Spare Halogen/Xenon Bulb: 02 set. • Carrying case: 01 no.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Shall work on rechargeable battery. Battery charger with AC adaptor shall be provided.			
7	**Standards and Safety Requirements**			
7.17	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.18	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the			

	equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

31.Slit Lamp

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Slit Lamp			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	The slit lamp is an instrument consisting of a high-intensity light source that can be focused to shine as a slit. It is used in conjunction with a microscope.			
2	**Operational Requirements**			
2.1	A Binocular Bio microscope with a slit lamp system for providing desired types of illumination for various types of examination of the eve.			
3	**System Configuration**			
3.1	Slit Lamp Bio Microscope, complete unit with all standard accessories.			
4	**Technical Specifications**			
4.1	**Microscope:** • Type: Slit Lamp Binocular Bio microscope. • Angle of optical axis: The offset of the left and right optical axes must be within 40 minutes in up and down direction separately and within 1° in outward. However a Binocular Bio microscope of which optical axes of left and right oculars are not parallel is excluded. • Control of magnification: Must be in steps. • Objectives: Paired 1x and 1.6x. • Objective lens focal length: 100-125mm. • Eye pieces: 10x and 16x. • Range of dioptric adjustment: at least +/-7D • Inter-pupillary distance: 50mm to 75mm. • Magnification and field of view: Eye piece objective magnification field 10x 1 x 18mm, 15mm, 11 mm, 16 x 1.6 x 9mm, 4mm, 2mm			
4.2	**Slit Illumination Section:** • Slit image width adjustment: 0 to 8mm step less. • Slit image length adjustment: 0-10mm continuous. • Diameter of diaphragm approx. or diameter of illuminate field : 8mm, 5mm, 3mm, 2mm, 1mm and 0.2mm. • Angle of Slit (rotation): 0-180° • Tilt of slit (decentration) : To horizontal 0-15° To vertical 0-20°. • Filters: Cobalt Blue, Red free and Grey (neutral density), Polarizer or other N.D filters. • Light source: Halogen lamps. • Intensity control of illumination: Low, Medium and High.			
4.3	**Table Top Dimension:** Mechanism and Amplitude of each movement in millimetres to be specified by			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Bidder			
4.4	**Chin Rest Assembly:** Type: Mechanical (Details to be specified by Bidder) Fixation light assembly: Range to be specified by Bidder			
4.5	**Table Type:** Motorized.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Halogen bulbs: 02 nos. • Fuses: 02 nos. • Set of mirrors: 01 sets			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240V AC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
6.3	Suitable UPS with maintenance free batteries, voltage regulation and spike protection for minimum 30 min. back-up shall be supplied with the system.			
7	**Standards and Safety Requirements**			
7.19	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.20	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General requirement for Electrical safety of Medical Equipment.			
8	**Installation and Commissioning & User Training**			
8.1	Supplier must accomplish proper installation and commissioning of the equipment onsite.			
8.2	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Comprehensive warranty for 1 years after installation			
9.2	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required			
10	**Authorization**			
10.1	Manufacturer's Authorization or Local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization)			
11	**Documentation**			
11.1	User (Operating) manual in English			
11.2	Service (Technical / Maintenance) manual in English			
11.3	List of important spare parts and accessories with their part numbers and costing.			

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
11.4	Certificate of calibration and inspection from factory.			
11.5	Shall accomplish all the Qualification Criteria of the bidder mentioned in the main bid document			

32. **Vision Chart**

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Vision Chart / Snellen's Eye Chart			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Vision chart is used to determine the clarity of distance vision			
2	**Operational Requirements**			
2.1	Vision chart for determining the clarity of distance vision			
3	**System Configuration**			
3.1	Vision Chart, Paper/ Card board type			
4	**Technical Specifications**			
4.1	Must contain the following vision acuity testing 20/200, 20/100, 20/70, 20/50, 20/40, 20/30, 20/25, 20/20, 20/16 and 20/12			
4.2	It should contain both English and Nepal Alphabet (one chart for each)			
5	**Accessories, spares and consumables**			
5.1	**Accessories**			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Shall work on rechargeable battery. Battery charger with AC adaptor shall be provided.			
7	**Standards and Safety Requirements**			
7.21	Must submit ISO 9001			
8	**Installation and Commissioning & User Training**			
8.1	Not applicable			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Not applicable			
10	**Authorization**			
10.1	Not Applicable			
11	**Documentation**			
11.1	Not Applicable			

33. Vision Drum

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes / No)	Reference Page No.	Remarks
	Vision Drum			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Vision drum is used to determine the clarity of distance vision			
2	**Operational Requirements**			
2.1	Vision drum for determining the clarity of distance vision			
3	**System Configuration**			
3.1	Vision Drum, Electric			
4	**Technical Specifications**			
4.1	Must contain the following vision acuity testing 20/200, 20/100, 20/70, 20/50, 20/40, 20/30, 20/25, 20/20, 20/16 and 20/12			
4.2	It should contain both English and Nepal Alphabet (one chart for each)			
4.3	Must contain LED light glow.			
5	**Accessories, spares and consumables**			
5.1	**Accessories**			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Shall work on rechargeable battery. Battery charger with AC adaptor shall be provided.			
7	**Standards and Safety Requirements**			
7.22	Must submit ISO 9001			
8	**Installation and Commissioning & User Training**			
8.1	Not applicable			
9	**Warranty & Maintenance Service During Warranty Period**			
9.1	Not applicable			
10	**Authorization**			
10.1	Not Applicable			
11	**Documentation**			
11.1	Not Applicable			