

21.08-2019

Amendment No. 1**Sub: Amendment to the referred tender enquiry****Ref.: Tender Enquiry HITES/PCD/AIIMS-IV/RC-20/PRE-CLINICAL/19-20 dated 16.07.2019**

The following changes are being incorporated in the above referred Tender Enquiry Document.

**SECTION I
NOTICE INVITING TENDER (NIT)****Existing:**

SI no.	Event No.	Name of the item	Name of the Dept.	Estimated drawls	Tender processing fee in INR	EMD in INR	Pre-Bid date & Time
109	3000004330	Ophthalmoscope	Community Medicine	100	472.00	70,000.00	30-07-2019 at 11:00AM
124	3000004233	Physiograph – three channel	Biochemistry	300	5,900.00	9,00,000.00	30-07-2019 at 11:00AM
125	3000004234	Single channel physiological recorder	Physiology	500	5,900.00	7,50,000.00	31-07-2019 at 11:00AM
146	3000004345	Chemiluminiscence & Gel imaging & analysis system	Biochemistry	30	7,080.00	6,00,000.00	30-07-2019 at 11:00AM
150	3000004273	Perimeter	Physiology	175	1,180.00	70,000.00	31-07-2019 at 11:00AM

Read as:

SI no.	Event No.	Name of the item	Name of the Dept.	Estimated drawls	Tender processing fee in INR	EMD in INR	Pre-Bid date & Time
109	3000004330	Deleted	Deleted	Deleted	Deleted	Deleted	Deleted

SI no.	Event No.	Name of the item	Name of the Dept.	Estimated draws	Tender processing fee in INR	EMD in INR	Pre-Bid date & Time
124	3000004233	Physiograph – three channel	Biochemistry	50	2360.00	4,50,000.00	30-07-2019 at 11:00AM
125	3000004234	Single channel physiological recorder	Physiology	175	5,900.00	7,00,000.00	31-07-2019 at 11:00AM
146	3000004345	Deleted	Deleted	Deleted	Deleted	Deleted	Deleted
150	3000004273	Deleted	Deleted	Deleted	Deleted	Deleted	Deleted

**SECTION - VI
LIST OF REQUIREMENTS**

Section VI may be read as:

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
1	3000004117	Downdraft ventilated Autopsy Table with Integral Sink	Forensic Medicine & Toxicology	14	2 years	5 Years
2	3000004118	Downdraft ventilated, Stainless steel, Dissecting Bench	Forensic Medicine & Toxicology	14	2 years	5 Years
3	3000004119	Air purifier	Forensic Medicine & Toxicology	14	2 years	5 Years
4	3000004120	Cadaver lift Conveyor style	Forensic Medicine & Toxicology	14	2 years	5 Years
5	3000004121	Weighing Machine for dead bodies	Forensic Medicine & Toxicology	14	2 years	5 Years
6	3000004122	Weighing Machine for organs/fetus (L P)	Forensic Medicine & Toxicology	21	2 years	Not Required
7	3000004123	Oscillating Electric Autopsy Saw	Forensic Medicine & Toxicology	14	2 years	5 Years
8	3000004124	Dissecting Instruments (as per list attached)	Forensic Medicine & Toxicology	14	2 years	5 Years
9	3000004125	Cadaver/ Autopsy carrier (L P)	Forensic Medicine & Toxicology	21	2 years	Not Required
10	3000004126	Mobile X- Ray system	Forensic Medicine & Toxicology	7	2 years	5 Years
11	3000004127	Student upright Binocular Microscopes	Forensic Medicine & Toxicology	140	2 years	5 Years

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
12	3000004128	Binocular research Microscope with camera attachment	Forensic Medicine & Toxicology	7	2 years	5 Years
13	3000004129	Analytical Digital Balance single pan	Forensic Medicine & Toxicology	7	2 years	5 Years
14	3000004131	Centrifuge Machine	Forensic Medicine & Toxicology	14	2 years	5 Years
15	3000004133	Dissecting Lights (Double Ceiling Mounts)	Forensic Medicine & Toxicology	14	2 years	5 Years
16	3000004134	Deep Freezer 200 L (-40 Deg C)	Forensic Medicine & Toxicology	7	2 years	5 Years
17	3000004135	Mortury Cooler (four Bodies)	Forensic Medicine & Toxicology	14	2 years	5 Years
18	3000004136	Ultraviolet/White light transilluminator	Microbiology	7	2 years	5 Years
19	3000004137	Analytical Weighing Scale – electronics	Microbiology	14	2 years	5 Years
20	3000004138	Laboratory Autocalve-Microprocessor controlled Stainless steel horizontal	Microbiology	7	2 years	5 Years
21	3000004139	Bio safety cabinet Class II A2	Microbiology	14	5 years	5 Years
22	3000004140	Bio safety cabinet Class II B2	Microbiology	7	5 years	5 Years
23	3000004141	CO2 Incubator	Microbiology	7	2 years	5 Years
24	3000004142	Micro pipette adjustable, 20ul,50ul,100ul,1000ul capacity	Microbiology	14	2 years	5 Years
25	3000004143	Deep freezers -80 ⁰ C- Vertical	Microbiology	7	5 years	5 Years
26	3000004144	Electronic pipettes digitally adjustable	Microbiology	28	2 years	Not Required
27	3000004145	Pharmaceutical refrigerators	Microbiology	28	2 years	5 Years
28	3000004146	Laminar Airflow work station with HEPA filter complete	Microbiology	14	2 years	5 Years
29	3000004147	Automated tissue grinder (Homozenizer)	Microbiology	7	2 years	Not Required
30	3000004148	Automated continuous monitoring stand alone blood culture system	Microbiology	7	5 years	5 Years
31	3000004149	Table top refrigerated	Microbiology	7	2 years	5 Years

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
		centrifuged with accessories with adjustable rotor to hold different size tubes				
32	3000004150	Walk-in-cooler 4°C (9x8x7 ft)	Microbiology	7	5 years	5 Years
33	3000004151	Multi channel pipette 10-50ul, 20-200 ul	Microbiology	14	2 years	5 Years
34	3000004152	Laboratory centrifuge	Microbiology	14	2 years	5 Years
35	3000004153	Desiccator cabinet	Microbiology	7	2 years	5 Years
36	3000004154	Hot air oven microprocessor control	Microbiology	14	2 years	5 Years
37	3000004155	Digital Standard Lab Bacteriological Incubator	Microbiology	28	2 years	5 Years
38	3000004156	Vertical autoclave	Microbiology	21	2 years	5 Years
39	3000004157	High Air Flow sampler with media plate for collection of air sample for bacteriological monitoring of O.T, I.C.U etc.	Microbiology	7	2 years	5 Years
40	3000004159	Polycarbonate Anaerobic Jar with charges complete (Gas pack)to hold 5-9 plates	Microbiology	21	2 years	Not Required
41	3000004160	Membrane filter holder with hand held vacuum pump	Microbiology	7	2 years	5 Years
42	3000004162	Water purification system for ultrapure nuclease free water	Microbiology	7	2 years	5 Years
43	3000004163	Fully automated Gel Documentation system with UPS back up	Microbiology	7	5 years	5 Years
44	3000004164	UV/Visual spectrophotomètre	Microbiology	7	2 years	5 Years
45	3000004165	Gradient Thermal Cycler with stand alone UPS	Microbiology	7	2 years	5 Years
46	3000004166	Dry Heating block for PCR	Microbiology	7	2 years	Not Required
47	3000004167	Gel electrophoresis horizontal with compatible power pack and accessories	Microbiology	7	2 years	5 Years

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
48	3000004168	Semi automated ELISA system with washers	Microbiology	14	2 years	5 Years
49	3000004169	Water bath microprocessor controlled	Microbiology	14	2 years	5 Years
50	3000004170	Liquid nitrogen cylinder	Microbiology	7	2 years	5 Years
51	3000004171	Positive pressure pump for tissue culture media prep.	Microbiology	7	2 years	5 Years
52	3000004172	Binocular Microscopes research complete for faculty and with digital imaging and morphometry soft ware with photographic attachment for each section with phase contrast and dark ground with flouroscent attachment	Microbiology	7	2 years	5 Years
53	3000004173	Binocular Microscope - Student for UG	Microbiology	700	2 years	5 Years
54	3000004174	Inspissator (Automated microprocessor controlled)	Microbiology	7	2 years	5 Years
55	3000004175	Incubator BOD	Microbiology	14	2 years	5 Years
56	3000004176	Automated rapid T.B culture and drug sensitivity detection system for 960 samples	Microbiology	7	5 years	5 Years
57	3000004177	Lyophilizer	Microbiology	7	2 years	5 Years
58	3000004178	Automatic Ice Flaking Machine	Microbiology	7	2 years	5 Years
59	3000004179	Orbital shaker	Microbiology	7	2 years	5 Years
60	3000004180	Table top dispenser	Microbiology	7	2 years	5 Years
61	3000004181	Anaerobic work station with gas cylinder complete	Microbiology	7	5 years	5 Years
62	3000004183	Real Time PCR machine with stand alone UPS unit	Microbiology	7	5 years	5 Years
63	3000004184	Forced Air incubators microprocessor controlled 5-60°C	Microbiology	7	2 years	5 Years

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
64	3000004185	Sonicator	Microbiology	7	2 years	5 Years
65	3000004186	Hybridization chamber system	Microbiology	7	2 years	5 Years
66	3000004188	Automated bacterial identification system	Microbiology	7	5 years	5 Years
67	3000004189	Refrigerated shaker	Microbiology	7	2 years	5 Years
68	3000004190	Inverted microscope with phase contrast and epi-fluorescent attachment	Microbiology	14	5 years	5 Years
69	3000004191	Refrigerated Incubator	Microbiology	7	2 years	5 Years
70	3000004192	Analgesiometer - Tail Flick (Digital)	Pharmacology	7	2 years	5 Years
71	3000004193	Analgesiometer - Eddy's Hot Plate	Pharmacology	7	2 years	5 Years
72	3000004194	Polygraph (Sixteen channel research)	Pharmacology	7	2 years	5 Years
73	3000004195	Electro convulsimeter (with ear and corneal electrodes)	Pharmacology	7	2 years	5 Years
74	3000004196	Cook's Pole Climbing Apparatus	Pharmacology	7	2 years	Not Required
75	3000004197	Rotarod (6 compartments)-	Pharmacology	7	2 years	5 Years
76	3000004198	Photoactometer	Pharmacology	7	2 years	5 Years
77	3000004199	Elevated Plus Maze	Pharmacology	7	2 years	Not Required
78	3000004200	Portable Autoclave (25L)	Pharmacology	7	2 years	Not Required
79	3000004201	Incubator (20 - 100 degC)	Pharmacology	7	2 years	5 Years
80	3000004202	Digital Spirometer	Pharmacology	7	2 years	5 Years
81	3000004203	Bicycle ergometer with digital display	Pharmacology	7	2 years	5 Years
82	3000004204	Double beam UV spectrophotometer (UV-Vis, variable wavelength, glass and quartz cuvettes with data analysis software and computer interface and power back-up)	Pharmacology	7	2 years	5 Years
83	3000004205	Refrigerator -20 deg C (With boxes to store samples)	Pharmacology	7	2 years	5 Years
84	3000004206	Treadmill (motorized) for	Pharmacology	7	2 years	5 Years

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
		humans with cardiac monitor				
85	3000004207	Multiple Choice Apparatus (with digital display)	Pharmacology	7	2 years	Not Required
86	3000004208	Critical flicker fusion apparatus	Pharmacology	7	2 years	5 Years
87	3000004209	Human Learning Maze	Pharmacology	7	2 years	5 Years
88	3000004210	Hand Steadiness Tester (Linear type)	Pharmacology	7	2 years	5 Years
89	3000004211	Hand Steadiness Tester (Hole Type)	Pharmacology	7	2 years	5 Years
90	3000004212	Digital Memory Drum	Pharmacology	7	2 years	5 Years
91	3000004213	Quaternary FHPLC (Fast High Pressure Liquid Chromatography) with Fluorescence + visible and PDA detectors with columns and autosampler (Inclusive Software programme + computer + printer+ Online UPS with at least 1 hr backup)	Pharmacology	7	2 years	5 Years
92	3000004214	Water purification system for HPLC	Pharmacology	7	2 years	5 Years
93	3000004215	Electrolyte Analyzer	Pharmacology	7	2 years	5 Years
94	3000004216	Student Electric Kymograph with drum	Pharmacology	28	2 years	5 Years
95	3000004217	Isolated Organ bath	Pharmacology	28	2 years	5 Years
96	3000004218	Lab. Centrifuge Machine (Digital)	Pharmacology	14	2 years	5 Years
97	3000004219	Electronic Balance	Pharmacology	7	2 years	5 Years
98	3000004220	Cardiac Monitor	Pharmacology	7	2 years	5 Years
99	3000004221	Multi Channel Pipette (Manual)	Pharmacology	7	2 years	Not Required
100	3000004222	Animal Simulator Software for Pharmacology) (Proprietary: Elsevier with 3 years licence with offline and online both mode)	Pharmacology	7	2 years	5 Years
101	3000004223	Digital PH Meter(Spec	Pharmacology	7	2 years	Not Required

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
		Same as per Biochem/Micro Deptt)				
102	3000004224	Double Distillation Apparatus	Pharmacology	7	2 years	5 Years
103	3000004225	Bioelectrical Impedance Analyzer for bodycomposition	Pharmacology	7	2 years	5 Years
104	3000004226	Agarose gel electrophoresis system	Biochemistry	100	2 years	5 Years
105	3000004326	BMI Analyser	Community Medicine	30	2 years	Not Required
106	3000004327	Digital Colorimeters	Biochemistry	130	2 years	Not Required
107	3000004328	Fat Extraction	Community Medicine	30	2 years	5 Years
108	3000004329	Hemoglobinometer	Community Medicine	50	2 years	5 Years
109	3000004330	Deleted	Deleted	Deleted	Deleted	Deleted
110	3000004331	PA system	Community Medicine	30	2 years	Not Required
111	3000004332	Plastination Equipment	Anatomy	30	2 years	5 Years
112	3000004333	Sound Level Meter	Community Medicine	30	2 years	Not Required
113	3000004334	Von Frey Aesthesiometer	Physiology	50	2 years	5 Years
114	3000004335	Vortex Mixers	Biochemistry	50	2 years	Not Required
115	3000004227	Anthropometric set – Digital	Physiology	50	2 years	5 Years
116	3000004336	Electronic muscle stimulator	Physiology	80	2 years	Not Required
117	3000004337	Mosso's Ergograph	Physiology	50	2 years	Not Required
118	3000004338	Priestly Smith Perimeter	Physiology	500	2 years	Not Required
119	3000004228	Apparatus for passive movement	Physiology	30	2 years	5 Years
120	3000004229	Chemiluminescence & Gel imaging & analysis system	Biochemistry	30	2 years	5 Years
121	3000004230	Densitometer with computer	Biochemistry	50	2 years	5 Years
122	3000004231	Fluorescent microscope	Biochemistry	50	2 years	5 Years
123	3000004232	Inverted microscope with PC	Anatomy/ Biochemistry	100	2 years	5 Years
124	3000004233	Physiograph – three channel	Biochemistry	300	2 years	5 Years

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
125	3000004234	Single channel physiological recorder	Physiology	500	2 years	5 Years
126	3000004235	Transilluminator with UV stand and UV torch	Physiology	30	2 years	5 Years
127	3000004236	Ultra Sonicator	Biochemistry	50	2 years	5 Years
128	3000004237	Vertical gel electrophoresis	Biochemistry	100	2 years	5 Years
129	3000004238	Western Blot Apparatus with Compatible Power Pack	Biochemistry	50	2 years	5 Years
130	3000004239	Grossing Station	Biochemistry	7	2 years	5 Years
131	3000004240	ESR Analyser	Lab Medicine & Pathology	7	2 years	5 Years
132	3000004241	Floctometer	Lab Medicine & Pathology	7	2 years	5 Years
133	3000004242	Water Bath	Lab Medicine & Pathology	7	2 years	Not Required
134	3000004243	Weighing Balance	Lab Medicine & Pathology	7	2 years	Not Required
135	3000004244	Liquid Based Cytology System	Lab Medicine & Pathology	7	2 years	5 Years
136	3000004245	Elisa Reader with washer	Lab Medicine & Pathology	7	2 years	5 Years
137	3000004246	High Speed Autoclave	Lab Medicine & Pathology	7	2 years	Not Required
138	3000004247	Thermal Cycler	Lab Medicine & Pathology	7	2 years	Not Required
139	3000004248	Horizontal Gel Electrohoresis system	Lab Medicine & Pathology	7	2 years	5 Years
140	3000004249	Vertical electrophoresis system	Lab Medicine & Pathology	7	2 years	5 Years
141	3000004270	Complete Chromatographic Unit for paper & TLC	Biochemistry	14	2 years	5 Years
142	3000004272	Double demonstration Eye Pieces	Biochemistry	28	2 years	Not Required
143	3000004275	Stethograph (computerized)	Physiology	14	2 years	5 Years
144	3000004269	Fume hood	Anatomy	14	2 years	5 Years
145	3000004274	Chemical balance	Community Medicine	7	2 years	5 Years
146	3000004345	Deleted	Deleted	Deleted	Deleted	Deleted
147	3000004346	Ophthalmoscope	Community	70	2 years	Not Required

S.No.	Event No.	Name of the item	Name of the Deptt.	Estimated draws	Warranty period	CMC period
			Medicine			
148	3000004268	Flow cytometer	Biochemistry	7	2 years	5 Years
149	3000004271	HPLC system	Biochemistry	7	2 years	5 Years
150	3000004273	Deleted	Deleted	Deleted	Deleted	Deleted

**Section VII
Technical Specification**

Tender Page & Para	TENDER SPECIFICATION	READ AS
Item Sl. No. 10 Mobile X-ray system		
Pg 64 Para 1c	Operational requirements The tube stand must be fully counterbalanced with rotation in all directions	The tube stand must be fully counterbalanced/ spring balanced with rotation in all directions
Item Sl. No. 21 Biosafety cabinet CLASS II A2		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 75 Para 4	Dimensions (Cabinet Size): 4 to 6 feet. The interior of the cabinet shall be of 304 stainless steel or equivalent material and must be smooth to ensure no risk of cuts to the users. Epoxy coated steel exterior	Dimensions (Cabinet Size): 4 feet. The interior of the cabinet shall be of 304 stainless steel or equivalent material and must be smooth to ensure no risk of cuts to the users. Epoxy coated steel exterior
Pg 75 Para 5	Efficiency of HEPA filter should be almost 99%. Class 100 supply & exhaust through HEPA filter.	Efficiency of HEPA/ ULPA filter should be almost 99%. Class 100 supply & exhaust through HEPA/ ULPA filter.
Pg 75 Para 6	In order to ensure consistent and reliable down flow velocity across the supply HEPA filter over the life of the cabinet, the cabinet must use a pressure sensor (rather than anemometer) to detect pressure drop across the supply filter, rather than in just one point across the down flow. The pressure sensor must be encased in order to protect the sensor from temperature, humidity and other environmental phenomena that can impact the sensor's performance.	In order to ensure consistent and reliable down flow velocity across the supply HEPA/ ULPA filter over the life of the cabinet, the cabinet must use a pressure sensor (if applicable) to detect pressure drop across the supply filter, rather than in just one point across the down flow. The pressure sensor/ Air velocity sensor must be encased in order to protect the sensor from temperature, humidity and other environmental phenomena that can impact the sensor's performance.

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 75 Para 11	Should meet NSF standards. Should be US FDA or European CE approved.	Should meet NSF/ EN 12496 standards & certificate to be submitted . Should be US FDA or European CE or UL or BIS approved.
Pg 75 Para 12	Movable stands	Movable stands/ Manual adjustable height stand
Pg 75 Para 19	Down flow velocity - 55 fpm (0.3 m/sec)	Down flow velocity - 55 fpm (0.3 m/sec) or more
Pg 75 Para 21	Design: 304 SS interior; epoxy coated steel exterior. Removable, seamless, dished work surface with lift out knobs. Door-fully closing, clear 1/4" tempered safety glass sash. Counter balance with base stand.	Design: 304 SS interior (minimum 18SWG); epoxy coated steel exterior (Minimum 16SWG). Removable, seamless, dished work surface with lift out knobs. Door-fully closing, clear 1/4" tempered safety glass sash. Counter balance with base stand.
		Added Para: The bidder has to quote separate price for HEPA/ULPA filter 1 no separately & the price should be valid for warranty period and will be taken for ranking purpose
Item Sl. No. 22 Biosafety Cabinet CLASS II B2		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 76 Para 3	Cabinet of bio safety Class II Type B2 specification <ul style="list-style-type: none"> •Main Body - 1.2 mm 18 gauge electro galvanized steel with epoxy antimicrobial coated finish. •Work Zone: 1.5 mm 16 gauge SS, type 304 with 4B finish with large radius corners for easy cleaning 	Cabinet of bio safety Class II Type B2 specification <ul style="list-style-type: none"> •Main Body - 1.2 mm 16 gauge electro galvanized steel with epoxy antimicrobial coated finish. •Work Zone: 1.5 mm 18 gauge SS, type 304 with 4B finish with large radius corners for easy cleaning
Pg 76 Para 4	Minimum internal dimensions (W x D x H) should be 900-1250X 500-650X 600-700 mm	Dimensions (Cabinet Size): 4 feet.
Pg 76 Para 14	Down flow ULPA filter efficiency >99.999% at 0.1 to 0.3 microns	Down flow ULPA/ HEPA filter efficiency >99.999% at 0.1 to 0.3 microns

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 76 Para 16	Exhaust to the outside environment via dedicated ducting	Exhaust to the outside environment via dedicated ducting. The bidder has to quote unit rate in meter for ducting and 5m will be taken for ranking purpose.
Pg 76 Para 21	Should meet NSF 49 standards. Should be US FDA or European CE approved / EN12649.	Should meet NSF/EN 12496 standards & certificate to be submitted. Should be US FDA or European CE or UL or BIS approved.
		Added Para: The bidder has to quote separate price for HEPA/ULPA filter 1 no separately & the price should be valid for warranty period and will be taken for ranking purpose
Item Sl. No. 23 CO2 Incubator		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 77 Para 2	Minimum 4 adjustable shelves (or as per user requirement) with factory fitted separate air tight doors should be available. Water jacketed unit. Inner glass door.	Minimum 4 adjustable shelves (or as per user requirement) with factory fitted separate air tight doors should be available. Inner glass door.
Pg 77 Para 5	HEPA Filters (99.98% efficient) at the inlet, outlets & sample port to minimize contamination.	HEPA/ ULPA Filters (99.98% efficient) at the inlet, outlets & sample port to minimize contamination.
Pg 77 Para 6	Temperature range : Ambient +5 ° C to 50 ° C or above	Temperature range : Ambient +7 ° C to 50 ° C or above
Pg 77 Para 11	CO2 Range- 0-20%; CO2 Accuracy: 1- 0.5%; CO2 Inlet pressure 1.5 bars (app) and fast recovery after opening door. There should be a provision for CO2 sensor. Thermal conductivity sensor for CO2 regulation.	CO2 Range- 0-20%; CO2 Accuracy: 1- 0.5%; CO2 Inlet pressure 1.5 bars (app) and fast recovery after opening door. There should be a provision for CO2 sensor. Thermal conductivity/ IR sensor for CO2 regulation.
Pg 77 Para 13	High Humidity Chamber to achieve RH: 93-95% at 37°C, minimizing sample evaporation. Independent door heater to eliminate condensation on inner glass surfaces should be available.	High Humidity Chamber to achieve RH: 93-95% at 37°C, minimizing sample evaporation. It should have display for humidity. Independent door heater to eliminate condensation on inner glass surfaces should be available.

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 77 Para 19	On castors for easy movements	Deleted
Item Sl. No. 25 Deep Freezer (-80°C)		
Pg 79 Para A	Specifications: Ultra Low Temperature Freezer – with operating temperature of (-80) Deg C at 32° C ambient temp having internal volume 650 - 750 Litres, External casing should be powder coated galvanized sheet metal, non corrosive.	Ultra Low Temperature Freezer – with operating temperature of (-80) Deg C at 32° C ambient temp having internal volume 600 - 750 Litres , External casing should be powder coated galvanized sheet metal, non corrosive.
Pg 79 Para B	Main Features: Five Drawers or compartments each with separate inner doors for better sample protection through minimum sample warming	Minimum Four compartments each with separate inner doors for better sample protection through minimum sample warming
Pg 79 Para B	Main Features: Polyurethane Insulation minimum of 70mm for better thermal insulation and sample safety in case or power failure.	Polyurethane/ Vacuum Insulation minimum of 70mm for better thermal insulation and sample safety in case or power failure.
Pg 79 Para E	Should be US FDA or European CE approved product	Should be US FDA or CE or BIS approved product.
Item Sl. No. 28 Vertical Laminar Air Flow Cabinet		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 81 Para 2	Laminar Air Flow Cabinet should be tested for cross-contamination and product protection using microbiological test methods specified in EN12469.	Should meet NSF/EN 12496 standards & certificate to be submitted.
Pg 81 Para 12	HEPA Filter Typical efficiency - 99.99 % for particles size at 0.3 microns.	HEPA/ ULPA Filter Typical efficiency - 99.99 % for particles size at 0.3 microns.
Pg 81 Para 18	Warranty 1 year.	Deleted
Item Sl. No. 30 Automated Blood Culture System		
Tender Page & Para	TENDER SPECIFICATION	READ AS

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 82 Para 1	Description of System: Micro organism culture is required to be done on blood and body fluid. A sample is inoculated into liquid media and is incubated in a controlled environment for one to seven days.	Description of System: Micro organism culture is required to be done on blood and body fluid. A sample is inoculated into liquid media and is incubated in a controlled environment for 3 to 10 days .
Pg 82 Para 3. iii	Should have modular design which is upgradeable and should be FDA approved	Deleted
Pg 83 Para 5.2	The units shall be capable of being operating continuously in ambient temperature of 10 - 40C and relative humidity of 15-90%.	The units shall be capable of being operating continuously in ambient temperature of 18 - 30 deg C and relative humidity of 15-90%.
Item SI. No. 31 Refrigerated Centrifuge		
Pg 84 Para 8	Acceleration and deceleration curves – 9 each	Acceleration and deceleration curves – 2 or more each
Pg 84 Para 15	Angle rotor 10 x 10 ml	Angle rotor 10 x 10 ml (with or without adaptors)
Item SI. No. 34 Laboratory Centrifuge		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 87 Para 9	Rotor for 8 x (5-15 ml tubes) with appropriate tube adapters	Swing Rotor for 8 x (5-15 ml tubes) with appropriate tube adapters (5ml and 15ml). Rotor should be suitable for both round and conical tubes.
Item SI. No. 42 Ultra pure (Nuclease free) Water Purifications System		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 92 Para A	Ultra pure Water System: - Water quality required for Molecular biology, Tissue culture/HPLC applications. The system should contain pre filtration unit, Type 2 RO filtration equipment, Reservoir 50L and Type 1 filtration equipment.	Ultra pure Water System: - Water quality required for Molecular biology, Tissue culture/HPLC applications. The system should contain pre filtration unit, Type 2 RO filtration equipment, Reservoir 40-60L and Type 1 filtration equipment.
Pg 93 Para 7	Reservoir of 40- 50 L capacity.	Reservoir of 40-60 L capacity.

Tender Page & Para	TENDER SPECIFICATION	READ AS
		Added Para: The input water given by the hospital will have hardness of 200ppm. All other necessary pre-filtration system if required has to be supplied by the bidder.
		Added Para: Except filter and cartridge, all will be covered under warranty.
		Added Para: Bidder has to quote cartridge and filter required during the warranty period separately and it will be taken for ranking purpose.
Item Sl. No. 43 FULLY AUTOMATED GEL DOCUMENTATION SYSTEM		
Pg 93 Para 5	Should have high resolution camera with 4 mega pixel or more/greater resolution, 16-bit CCD Camera, motorized fixed lens 50mm, f/0.95	Should have high resolution camera with 4 mega pixel or more/greater resolution, 16-bit peltier cooled (minimum -25 deg C) CCD Camera, motorized fixed lens 50mm, f/0.95/1.2 .
Pg 93 Para 7	Illumination source should be 306 nm trans UV and LED epiwhite. Should have large 10.4 inch touch screen display with and integrated computer with >200GB hard drive. To operate the touch screen interface, a stylus should be provided along with the system.	Illumination source should be 302 - 312 nm trans UV and LED epiwhite. Should have large 10.4 inch touch screen display with and integrated or standalone branded computer with >500GB hard drive and i5 processor . To operate the touch screen interface, a stylus should be provided along with the system.
		Added Para: Filter size of gel wing area should be minimum 20x15cm.
Item Sl. No. 48 Semi Automated ELISA Reader And Washer		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 96 Para 1 v	Reading Time: <15 Seconds for 96-wells. Manifold - 12 channels	Reading Time: <15 Seconds for 96-wells.

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 97 Para 2.6	Should have residual volume of <2ml	Should have residual volume of <2ul
Pg 97 Para 2.12	Accessories: Spare lamps (2 Nos.)	Accessories: Spare lamps (2 Nos.) In case of Xenon lamp
Item Sl. No. 57 Lyophilizer		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 103 Para 12	It should have 12 ports for tubes/ampoules/vial	It should have 8 ports or more for tubes/ampoules/vial
Item Sl. No. 58 ICE flaking machine		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 104 Para 8	Ice storage bin capacity : 45 kg	Ice storage bin capacity : 25 kg or more
Item Sl. No. 61 Anaerobic Work Station With Gas Cylinder Complete		
Pg 105 Para 1	Fully automatic, microprocessor controlled, table top work station for anaerobic bacterial culture (Clinical/diagnostic work)	Fully automatic, microprocessor controlled, table top work station for anaerobic bacterial culture (Clinical/diagnostic work). Capacity should be minimum 250 plates (90 mm)
Pg 105 Para 4	Able to generate any mixed gas atmosphere (other than hazardous and inflammable) in transparent jars, by programming of required O2 (atmospheric) and CO2 & H2 (from cylinders of mix gases & pure gases) percentage	Able to generate any mixed gas atmosphere (other than hazardous and inflammable) in transparent jars, by programming of required O2 (atmospheric), N2 and CO2 & H2 (from cylinders of mix gases & pure gases) percentage
Pg 105 Para 5	All controlled conditions like Capnophilic, anaerobic & Micro-aerophilic be created within 60 seconds, should be reproducible and stay within 0.5% of the desired value.	All controlled conditions like Capnophilic, anaerobic & Micro-aerophilic be created within 30 minutes , should be reproducible and stay within 0.5% of the desired value.
Item Sl. No. 64 Ultra Sonicator		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 107 Para 3	Maximum power output of the equipment should be 100 watts (Maximum)	Maximum power output of the equipment should be 100 watts (Minimum)
Item Sl. No. 66 Automated Bacterial identification and sensitivity system		

Tender Page & Para	TENDER SPECIFICATION	READ AS
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 108 Para 2	The system must have the capacity to accommodate a minimum of 60 tests (either ID or AST tests), at any point of time.	The system must have the capacity to accommodate a minimum of 50 tests (either ID or AST tests), at any point of time.
Pg 108 Para 4	The system must have Identification as well as AST panels for Gram negative cocci and bacilli, Gram positive cocci and bacilli and Yeasts and a list of organisms is to be provided	The system must have Identification for Gram negative cocci & bacilli, Gram positive cocci & bacilli and yeast. AST panels for Gram negative bacilli and Gram positive cocci.
Item Sl. No. 67 Refrigerated Shaker		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 109 Para 5	Temperature range: 5°C- 60°C; with accuracy +0.5°C at 37°C	Temperature range: 15°C- 60°C ; with accuracy +0.5°C at 37°C
Pg 109 Para 8	Platform size approx. 450x450mm (2 no's each for 2L, 1L, 500mL, 100mL flasks)	Platform size approx. 420x420mm (2 no's each for 2L, 1L, 500mL, 100mL flasks)
Item Sl. No. 72 Polygraph (Sixteen channel research)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 113 Para 1.6	160 GB storage facility and 1GB RAM for the computer	1TB storage facility, 8GB RAM, i7 processor, or better configuration computer
Pg 113 Para 2.2	Computer (latest configurations) with laser printer to be attached to the equipment	Computer with laser printer to be attached to the equipment, as in point 1.6 and point 1.7
Item Sl. No. 77 Elevated Plus Maze		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 116 Para 2.1	Should have an elevated 4 arm maze in which 2 arms are open and 2 are closed with glass opening on top. (H×L×W : 40-45 cm×50-60 cm×10-12 cm)	Should have an elevated 4 arm maze in which 2 arms are open and 2 are closed with glass opening on top. (H×L×W : 35-45 cm×40-55 cm×10-12 cm)
Pg 116 Para 2.7	Should Tracks time spent and distance travelled, speed and resting time in each zone	Deleted
Item Sl. No. 83 Refrigerator -20 deg C		

Tender Page & Para	TENDER SPECIFICATION	READ AS
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 122 Para 3.5	Refrigeration System: Heavy Duty refrigeration system, with low maintenance, below -20 deg C (+10 deg C) with hermetically sealed refrigeration compressor and reliable refrigeration to minimize noise and vibration, air cooled with special design or arrangement to prevent unintentional switch off shall be supplied. It should have maximum cooling time hours at maximum ambient temperature of 33 deg C. The equipment should be of continuous duty and frost free.	Refrigeration System: Heavy Duty refrigeration system, with low maintenance, below -20 deg C with hermetically sealed refrigeration compressor and reliable refrigeration to minimize noise and vibration, air cooled with special design or arrangement to prevent unintentional switch off shall be supplied. The equipment should be of continuous duty and frost free.
Pg 122 Para 7.1	Should have IEC 60601-1 test certificate from any NABL accredited lab.	Deleted
		Added Para 4.2: It should be supplied with compatible voltage stabilizer.
Item Sl. No. 92 Water Purification System		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 129 Para 8	Feed water specification:	Feed water specification: Source of water shall be municipal tap water / ground water.
Pg 130 Para 11	The system should be table top model with on line conductivity & LCD display facility, flow rate up to 1.5 L/min, Dual purification cartridges with organic absorbents, ion exchange resins and membrane processes to purify the water to 18.2 mega ohms, in order to satisfy ASTM TYPE 1, ISO 3696 and USP Specification, The system should have a pure water recirculation system to maintain consistent peak quality.	The system should be table top model with on line conductivity & LCD display facility with flow rate up to 1.5 L/min. Dual purification cartridges with organic absorbents, ion exchange resins and membrane processes to purify the water to 18.2 mega ohms, in order to satisfy ASTM TYPE 1, ISO 3696 and USP Specification. The system should have a pure water recirculation system to maintain consistent peak quality.

Tender Page & Para	TENDER SPECIFICATION	READ AS
		<p>Added Para 12: First Stage: It should have RO, Electro de ionization (EDI) Module.</p> <p>Second Stage: The system should be equipped with dual wavelength (254 nm and 185nm) UV lamp.</p>
Item Sl. No. 95 Isolated Organ Bath		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 131 Para 1.10	Should be supplied with 4 channel data acquisition system Stimulator- constant voltage range- 0- 10V Dose response curve should be plotted automatically compatible computer, printer & printing paper	Should be supplied with 4 channel data acquisition system Stimulator- constant voltage range- 0- 10V Dose response curve should be plotted automatically compatible computer (i7 processor, 8 GB RAM and 1 TB hard disk or better configuration computer), printer & printing paper
Item Sl. No. 96 Lab Centrifuge Machine		
Pg 132 Para 3.1	Technical Specifications: Tube Capacity :No. 24 – 36 :Size 5 – 15 ml	Tube Capacity: a. Rotor head with 8x5ml b. Rotor head with 24x1.5ml
Item Sl. No. 98 Cardiac Monitor		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 133 Para 9	Automatic Zoom In Facility in the monitor display.	Deleted
Pg 134 Para E.1	Should be US FDA or European CE approved product	Should be US FDA or European CE or BIS approved product
Item Sl. No. 103 Bioelectric Impedance Body Composition Analyzer		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 137 Para 2.3	Should have direct printout of assessment result and data logging with computer interface facility. Branded Computer with latest configuration to be supplied with necessary software and Laser Printer.	Should have data logging with computer interface facility. Branded Computer with latest configuration to be supplied with necessary software and Laser Printer. Optional: Direct printout facility using thermal printer

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 137 Para 2.4	Should have multiple operating frequency : 5KHz,50KHz,500KHz	Should have multiple operating frequency : 5KHz,50KHz, 250KHz
Pg 137 Para 2.6	Should have battery back up	Deleted
Pg 137 Para 2.7	Should have indicator for low battery	Deleted
Item Sl. No. 105 BMI Analyser		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 138	Item Name BMI Analyser	Body Composition Analyser
Pg 138 Para 1	Capacity: up to 300 kg	Capacity: up to 250 kg or more
Pg 138 Para 3	Weight: Light weight	It should be portable and easy to carry.
Item Sl. No. 110 PA System		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Page 139	Sound Output: Up to 25	Sound Output: 20 Watt and above
Page 140	Works on UM-1 (large) Dry Cells & 12V Car Battery.	Works on AC (220-240V), DC (12-15V Car battery) and 12V rechargeable battery.
Page 140	Loud & Clear Sound even at long distance.	Loud & Clear Sound even at long distance. (60-100 ft)
		Added Para: 1. It should be Bluetooth enabled, compatible with DVD player, PC, Laptop. 2. USB/ SD Card ports with audio recording facility.
Item Sl. No. 112 Sound Level Meter		
Tender Page & Para	TENDER SPECIFICATION	READ AS
		Added Para: It should have data storage capacity of at least 500 observations
Item Sl. No. 116 Electronic muscle stimulator		

Tender Page & Para	TENDER SPECIFICATION	READ AS
Tender Page & Para	TENDER SPECIFICATION	READ AS
		Added Para: The stimulator should be compatible with 3 channel digital physiograph.
Item Sl. No. 117 Sl. No Mosso's Ergograph		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 142 Para 4	Hook with weights (1 kg each - 10 no's)	Hook with weights (1/2 kg each - 10 no's)
		Added Para: String should be provided for holding the weight
Pg 142 Para 5 b	The quoted model should be FDA/CE/BIS certificate and the copy of the same should be submitted along with the technical bid.	Deleted
Item Sl. No. 118 Priestly Smith Perimeter		
Pg 142 Para 4	Adjustable chin rest.	Adjustable chin rest with leveling rod.
Pg 142 Para 6 a	Different sized (2mm & 5mm), shaped (round & square) and colored (five different) objects.	Different sized (2mm, 5mm, 10mm), shaped (round & square) and colored (white, blue, green, red, yellow) objects.
Item Sl. No. 120 CHEMILUMINESCENCE & GEL IMAGING & ANALYSIS SYSTEM		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 143 Para 1	5 megapixel or less, 16-bit Scientific-Grade CCD Camera for good resolution, cooled to $\leq -25\text{deg C}$	5 megapixel or more , 16-bit Scientific-Grade CCD Camera for good resolution, cooled to $\leq -25\text{deg C}$

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 144 Para 11	Must have Stand-alone Software for enhancement, editing, annotation, archiving & analysis including features like 1-D multilane densitometry, 2-D spot densitometry (2D software should include a dedicated application related to protein profiling like Spot matching between the gels, intensity difference across the complete range of proteins available on the gels with the help of normal staining and multiplexing with different dyes in the same gel) , MW, Rf analysis, Microtiter plate, Eli-spot, Array & Dot Blot Analysis, Colony, Cell & GFP Yeast Counting, Q-PCR, Zymogram gel analysis, Gel Scoring, Band matching, RFLP, RAPD, Fingerprinting, Dendrogram creation, options for Dice, Jacard, Pearson, Frequency, Similarity Coefficients & Cluster analysis with multiple methods including Neighbor joining, UPGMA, WPGMA, Simple linkage, complete linkage, ward, median, centroid etc., Multi-color fluorescence microscopy imaging & Movie Mode facility. Should include at least two stand-alone copies of the analysis software	Must have Stand-alone Software for enhancement, editing, annotation, archiving & analysis including features like 1-D multilane densitometry, 2-D spot densitometry (2D software should include a dedicated application related to protein profiling like Spot matching between the gels, intensity difference across the complete range of proteins available on the gels with the help of normal staining and multiplexing with Red, green, blue LEDs & filters), MW, Rf analysis, Microtiter plate, Eli-spot, Array & Dot Blot Analysis, Colony, Cell & GFP Yeast Counting, Q-PCR, Zymogram gel analysis, Gel Scoring, Band matching, RFLP, RAPD, Fingerprinting, Dendrogram creation, options for Dice, Jacard, Pearson, Frequency, Similarity Coefficients & Cluster analysis with multiple methods including Neighbor joining, UPGMA, WPGMA, Simple linkage, complete linkage, ward, median, centroid etc., Multi-color fluorescence microscopy imaging & Movie Mode facility. Should include at least two stand-alone copies of the analysis software
Pg 144 Para 12	Should have Chemiluminescence imaging tray, UV to white light conversion screen, Gel imaging sheet	Should have Chemiluminescence imaging tray, UV to white light conversion screen, Gel imaging sheet or equivalent
		Added Para: Viewing area/filter size/gel size: 17x12cm or more
Item Sl. No. 121 Densitometer with computer(gel)		
Tender Page & Para	TENDER SPECIFICATION	READ AS

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 144 Para 3	Scientific Grade CCD camera with sensor size of 1 inch and f0.84 aperture must for high sensitivity and extremely high level of resolution	Scientific Grade CCD camera with high sensitivity and extremely high level of resolution
Pg 144 Para 4	Camera should give 6.3 megapixels native and 20 megapixels extended with image resolution of 2838 x 2224 densities	Camera should give 6 megapixels or more image resolution
Pg 144 Para 5	Camera must be a cooled CCD with -55°C maximum differential cooling from the ambient with -30°C absolute and regulated cooling by three stage peltier thermoelectric cooler.	Camera must be a cooled CCD with - 50°C maximum differential cooling from the ambient with - 25°C absolute and regulated cooling by three stage peltier thermoelectric cooler.
Pg 144 Para 8	Superbright Technology to visualize faint bands thereby increased sensitivity with no visible light background while performing gel documentation	Technology to visualize faint bands thereby increased sensitivity with no visible light background while performing gel documentation
Item Sl. No. 123 Inverted microscope with PC		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 146 Para C	Illumination: 12V 100W Pre-centered Halogen Illumination.	Illumination: It should be LED based with life of minimum 30,000 hours.
Pg 146 Para I	Digital Camera: Digital Color Camera capable of Handling Very Low Light, Fluorescence, Dark field or DicImages with 2/3' High Density CCD Chip, Approx. 12.7 Million pixel resolution (2200 TV Lines), 15 f/p/s with full screen Size, Cooling 10°C below Ambient, 12-Bit Digitization, Exposure Time 1/16,000 to 60 sec., Dynamic Range 2000:1, USB port for attaching camera onto Desktop/Laptop through single wire.	Digital Camera: Digital Color Camera capable of Handling Very Low Light, Fluorescence, Dark field or DicImages with High Density CCD/ CMOS Chip, 12 Mega pixel or more resolution (2200 TV Lines), 15 f/p/s with full screen Size, Cooling 10°C below Ambient, 12-Bit Digitization, Exposure Time 1/16,000 to 60 sec., Dynamic Range 2000:1, USB port for attaching camera onto Desktop/Laptop through single wire.
Pg 146 Para K	Mercury Lamp 1 No. and Halogen Lamp 6 Nos.	Mercury Lamp 1 No.
		Added Para: UPS with 30 minutes backup

Tender Page & Para	TENDER SPECIFICATION	READ AS
		Added Para: The objective should be apochromatic.
Item Sl. No. 124 Physiograph – three channel		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 147	Item Name Physiograph – three channel	Digital Physiograph, 3 Channel, complete with accessories
Pg 147	Existing specification of Item Sl. No. 124 Physiograph – three channel	1. Computerized software controlled unit with at least 3 channel recording with isolated stimulator for human study. 2. Strain gauge - 1 No. 3. Pulse Respiration - 1 No. 4. Temperature - 1 No. 5. EKG (Clinical) with electrode 1No, jelly with HRV 6. Bio potential (EKG, EMG, EOG) pastes and electrodes for action potential) 7. Transducers: i. NIBP with cardio microphone - 1No. ii. Volume fore arm plethysmograph - 1No. iii. Grip force/hand dynamometer 1 No. iv. Respiration belt - 1 No. v. Reflex response with goniometer - 1No. vi. Pulse - 1No. vii. Respiration (Thermistor type) - 1 No. viii. Temperature - 1 No. 8. Accessories: Following accessories are supplied along with each console i. Instruction Manual ii. Earthing cords 01. No. iii. Machine cover 01 No. 9. The product should be CE or FDA OR BIS certified

Tender Page & Para	TENDER SPECIFICATION	READ AS
		10. Branded computer with minimum i3 processor, minimum 21" LCD/LED screen, 4GB RAM, 1 TB Hard disk and Laser black & white printer, UPS of 1KVA to be supplied.
		11. Software with acquisition. Analysis, step by step protocol with sample data to be supplied
Item Sl. No. 125 Single channel physiological recorder		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 147	Item Name Single channel physiological recorder	Physiograph, Single Channel, with accessories
Pg 147	Existing specification of Item Sl. No. 125 Single channel physiological recorder	1. Student Physiograph should be single channel console with 9 speed (0.5, 1, 2, 5, 10, 20, 25, 30 & 50 mm/sec) TFT/LCD display, time & event markers and appropriate transducers and inbuilt stimulator.
		2. Couplers: Strains Gauge and isotonic
		3. Transducers: Volume, (EEG/EOG/EMG disc electrodes, GSR transducers, ECG Electrodes, Respiration belts, Temperature Electrodes for Human Physiology)
		4. Accessories, spares and consumables
		i. Earth Lead
		ii. Fuse
		iii. Cover
		iv. Power supply: Power input to be 220-240 VAC, 50 Hz
		5. It should be stand alone system.
Item Sl. No. 130 GROSSING STATION		
Tender Page & Para	TENDER SPECIFICATION	READ AS

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 150	There should be facility for video, audio recording as well as photography attachment. The photography attachment should have facility for enlargement.	There should be facility for photography attachment. The photography attachment should have facility for enlargement. There should be an attachment for video & audio recorder
Pg 151	Weight-Not more than 900 gram.	Deleted
Pg 151 Para 3.i	Computer from Branded company 3.0GHZ, Intel Core i5 or more ,4 GB DDR 3RAM or more, DVD writer, 500 GB or higher HDD, along with 18" Flat LED screen monitor, 2USB 2.0 port SD Card slot with in-built CPU.	Computer from Branded company 3.0GHZ, Intel Core i7 or more, 4 GB DDR3 RAM or more, DVD writer, 1TB or higher HDD, along with 21" Flat LED screen monitor, 2USB 2.0 port SD Card slot with in-built CPU.
Item Sl. No. 132 FLOW CYTOMETER		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 153 Para 3	Should have sample acquisition rate of at least 10,000 events per second or more.	Should have sample acquisition rate of at least 25,000 events per second or more.
Pg 154 Para 14	System should be CE–IVD approved for maximum parameters used in analysis.	System should be CE–IVD or US FDA or BIS approved for maximum parameters used in analysis.
Pg 154 Para 15	The data management system should have PC workstation with at least processor, 160 GB hard disk drive, DVD/CD writer(combo drive), 22" monitor and color laser jet printer.	The data management system should have PC workstation with at least i7 processor, 8GB RAM, 1TB hard disk drive, DVD/CD writer(combo drive), 22" LED monitor and color laser jet printer. Antivirus software with 2 years license should be provided.
		Added Para: Vendor should supply sheath fluid at least 100L, 10L cleaning solution, 2 sets of appropriate calibrators & QC material
Item Sl. No. 135 LIQUID BASED CYTOLOGY SYSTEM		
Tender Page & Para	TENDER SPECIFICATION	READ AS

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 156 Para 1	LBC System which is highly effective in greatly reducing false negative results and provides increased confidence in the detection of pre-neoplastic and invasive cancer, where present.	Deleted
Pg 156 Para 2	Low Inadequate rates and consistently high PPV (Positive Predictive Values) resulting in the identification of „true“ disease.	Deleted
Pg 156 Para 5	The retention of the brush head in the container eliminates the risk of any abnormal cells being discarded with the sampling device	Deleted
Pg 156 Para 9	Should be capable of handling a high throughput of 20-25 slides stained per hour.	Should be capable of handling a high throughput of at least 20 slides stained per hour.
Pg 156 Para 10	Should be able to process multiple specimens at the same time for best laboratory efficiency.	Deleted
Pg 157 Para 19	All labeling should be completed with the start of the process with bar coding of all samples and to include additional identification details such as name date of birth etc.	Deleted
Pg 157 Para 24	Start-up kit for at least 100 tests should be provided free of cost.	Start-up kit for at least 500 tests should be provided free of cost.
Pg 157 Para 26	Support for induction and follow up training of technical staff, on-site standardization and troubleshooting of procedures/ tests to be provided by the company.	Support for induction and follow up training of technical staff & faculty , on-site standardization and troubleshooting of procedures/ tests to be provided by the company.
Item Sl. No. 136 ELISA READER WITH WASHER		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 157 Para 1.i	Should be able to support all plate formats U bottom, V bottom and flat bottom 96-well micro plates	Should be able to support all plate formats U bottom, V bottom and flat bottom 24, 48 , 96-well micro plates

Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 157 Para 1.vii	Wave length selection should be double monochromator with 1nm increment	Wave length selection should be monochromator based with 1nm increment
Pg 157 Para 1.xvi	PC Software packages (windows [®] compatible) for on board data analysis	PC Software packages (windows [®] compatible) for on board data analysis with storage of approximately 25 user defined programmable protocols
Pg 158 Para 6	Should have residual volume of <2ml	Should have residual volume of <2µl
Sl. No. 143 Stethograph		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 163 Para 3	Open end connected with pressure tube to tambour	Open end connected with pressure tube to marey's tambour
Sl. No. 144 Fume cupboard		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 55 Section VI List of Requirements	Name of the Item Fume hood	Fume cupboard
Item Sl. No. 148 Simple Bench Top Flowcytometer		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 165 Para 4	Data acquisition should be at least 10000 event/second	Should have sample acquisition rate of at least 25,000 events per second or more.
Pg 165 Para 6	System should have sampler to fit in at least 20 tubes, 48& 96 microtiter plates	System should have sampler to fit in at least 20 tubes and 48/96 microtiter plates
Pg 165 Para 11	Should be FDA or CE or BIS approved product.	Should be FDA or European CE or BIS approved product.

All other contents of the tender enquiry including terms & conditions remain unaltered.

Note:

- I. **Wherever any quality standards are mentioned, except amended in the respective schedule. It should be amended as "The product should be US FDA or European CE or BIS approved. For**

class I product, European CE should be read as EC Declaration of Conformity along with ISO 13485 certified.” Bidder has to submit certificate for the above.

- II. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids