



Notice Inviting e-Tender
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**PROCUREMENT OF MEDICAL EQUIPMENT AT FIVE NEW MEDICAL COLLEGE HOSPITALS
OF THE GOVT. OF WEST BENGAL**

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 02 /2019

Dated-04.01.2019

Amendment I

TECHNICAL SPECIFICATIONS

Sl. No.	Name of the discipline	Name of the Equipments (Item)	Specifications
	Package 2		
17	Physiology	Sahli (Sahli- Adams) Haemoglobinometer or Haemometer	Should be able to determine the haemoglobin in the blood by diluting an acidified sample and <ul style="list-style-type: none"> • Should have permanent non-fading colour standards made with optical precision for accurate • comparing it with a coloured standard and exact matching of colour. The total error of definition of concentration of a haemoglobin (in view of an error of a method, • It should measure optical density of a solution with precision not worse than 1 %. • Measuring range should be 40-360 g/litre. • Technical Specifications and also errors of dosing of a blood and solutions), obtained at comparative medical tests, Optical length of a cuvette or cylindrical test tube should be 10 ± 0.1 mm. • The volume of liquid for photometry should be not less than 1 ml. • should not exceed 2 %. System Configuration Accessories, spares and consumables Brush • Haemoglobin pipette • Dropping pipette • Graduated dilution tube • Glass rod • Suction tube • Amber coloured acid vial • Stirrer
18	Physiology	Stethoscopes, demonstration with multiple ear pieces	Two types: Stethoscopes (40), demonstration with multiple ear pieces (5)
	Package 4		
37	Pathology	Liver Biopsy needle	For liver biopsy
38	Pathology	Core biopsy needle	For core needle biopsy of breast and soft tissues
41	Pathology	Bone marrow aspiration needle	stainless steel conventional type - Salah's
42	Pathology	Bone marrow aspiration needle	stainless steel conventional type - Klima

Sl. No.	Name of the discipline	Name of the Equipments (Item)	Specifications
	Package 6		
97	Pharmacology	Animal cage	Change designation to Animal Cage: Polypropylene shoe-box type cages equipped with stainless steel lids and water bottles (mice and rats)
	Package 8		
128	Com. Med.	Haemoglobinometer	<p>Should be digital, battery operated</p> <p>Code strips should be easily available</p> <p>Should operate at room temperature</p> <p>Package should come with disposable sterile lancet</p> <p>Should give results within 2-3 minutes</p> <p>Should not be affected by haemoglobin variation</p> <p>Cartridge should be self-contained</p> <p>Should be able to store data for at least last 3 tests</p> <p>Accessories free of cost:</p> <ol style="list-style-type: none"> 1. Micro Pipette - 2.5 ml : 1 No. 2. Lancing device - 1 Unit 3 Lancettes : 25 nos. 4. Cuvettes / strips: 25 nos. <p>Should be European CE approved</p>

Form 9(a): Details of Breakup of cost of individual items

Sl. No.	Name of the Discipline	Name of the Equipments (Item)	No. of Equipment per set	No. of sets	Total Qty. in 5 sets	Rate per unit equipment	Total Qty. In 5 sets X Rate per unit equipment
	Package 1						
1	ANATOMY	Hand saw, preferably metal	3	5	15		
2	ANATOMY	Dissecting instruments for cadaveric dissection	20	5	100		
3	ANATOMY	Paraffin embedding bath	1	5	5		
4	ANATOMY	HISTIOLOGY laboratory Table	8	5	40		
5	ANATOMY	Koplin jar (Different Size)	25	5	125		
6	ANATOMY	Glass jar with lid (200ml)	50	5	250		
		Total					
	Package 2						
7	PHYSIOLOGY	Tuning fork time marker 100/sec	6	5	30		
8	PHYSIOLOGY	Animal Weighing Machine	2	5	10		
9	PHYSIOLOGY	Marey's Tambour	20	5	100		
10	PHYSIOLOGY	Venous & Arterial Canula	12	5	60		
11	PHYSIOLOGY	Smoking Outfit, with fume Cupboard	1	5	5		
12	PHYSIOLOGY	Varnishing Outfit	1	5	5		
13	PHYSIOLOGY	Surgical Instruments for Operative Procedure like Syringes, Pulleys etc.	1	5	5		
14	PHYSIOLOGY	Anaesthesia Box	1	5	5		
15	PHYSIOLOGY	Demonstration eye piece	6	5	30		
16	PHYSIOLOGY	Double demonstration eye piece	3	5	15		
17	PHYSIOLOGY	Hemoglobin-meter Sahli's or Hellige (with spaces)	36	5	180		
18	PHYSIOLOGY	Stethoscopes (40 nos.), demonstration with multiple ear pieces (5 nos.)	45	5	225		
19	PHYSIOLOGY	Douglas bag, complete	2	5	10		
20	PHYSIOLOGY	Mosso's Ergograph	6	5	30		
21	PHYSIOLOGY	Compass aesthesiometer	10	5	50		

22	PHYSIOLOGY	Thermo-aesthesiometer	10	5	50		
23	PHYSIOLOGY	Knee hammer	20	5	100		
24	PHYSIOLOGY	Stethograph	6	5	30		
25	PHYSIOLOGY	Ophthalmoscope	1	5	5		
26	PHYSIOLOGY	Schematic eye	1	5	5		
27	PHYSIOLOGY	Color perception lantern Edridge green	1	5	5		
28	PHYSIOLOGY	Maddox rod	1	5	5		
29	PHYSIOLOGY	Newtons color wheel	1	5	5		
30	PHYSIOLOGY	Tuning fork to test hearing 32-10000 cps (sets-100, 256, 512 Hz): 7 nos. for each Hz	21	5	105		
31	PHYSIOLOGY	Instrument trolley	1	5	5		
32	PHYSIOLOGY	Stop watch	10	5	50		
		Total					
	Package 3						
33	BIOCHEMISTRY	Fixed volume pipettes -- 1ml,0.5ml,0.2ml,0.1ml and 0.02ml	5	5	25		
		Total					
	Package 4						
34	PATHOLOGY	Troughs for staining	20	5	100		
35	PATHOLOGY	Coplin jars	20	5	100		
36	PATHOLOGY	Saws, Wire for cutting bones	6	5	30		
37	PATHOLOGY	Liver Biopsy needle	5	5	25		
38	PATHOLOGY	core biopsy needle	5	5	25		
39	PATHOLOGY	Microscopics Slide Cabinet (Closed Pack Manner)	10	5	50		
40	PATHOLOGY	Automatic timer	5	5	25		
41	PATHOLOGY	Bone marrow aspiration needle - Salah's	6	5	30		
42	PATHOLOGY	Bone marrow aspiration needle - Klima	6	5	30		
43	PATHOLOGY	Stop watch reading at 1/5 second.	5	5	25		
44	PATHOLOGY	Surgical instruments.	5	5	25		
45	PATHOLOGY	Sp. Gravity Measure	2	5	10		
46	PATHOLOGY	Tissue Cassettes, metal & Plastic	10	5	50		

47	PATHOLOGY	Leukart's L plate, brass	5	5	25		
48	PATHOLOGY	Metal & Plastic moulds for embedding	5	5	25		
49	PATHOLOGY	Microscopics Slide Cabinet (Horizontal Manner)	40	5	200		
50	PATHOLOGY	Aluminum slide trays	6	5	30		
51	PATHOLOGY	Haemocytometers with red and white pipettes	90	5	450		
52	PATHOLOGY	Urinometers(Mercury based instruments to be replaced with other alternatives)	10	5	50		
53	PATHOLOGY	Pipettes of various sizes with disposal tips.	10	5	50		
54	PATHOLOGY	Haemoglobinometer	10	5	50		
55	PATHOLOGY	Albuminometer	10	5	50		
		Total					
	Package 5						
56	MICROBIOLOGY	Anaerobic apparatus (Gas pak)	1	5	5		
57	MICROBIOLOGY	Dropping bottles	500	5	2500		
58	MICROBIOLOGY	Dispenser Dropper 2ml	50	5	250		
59	MICROBIOLOGY	Wash Bottles 500ml	50	5	250		
60	MICROBIOLOGY	Concavity Glass Slide, 1 & 3 Cavity	110	5	550		
61	MICROBIOLOGY	Koplin Jar	4	5	20		
62	MICROBIOLOGY	Staining Troughs	60	5	300		
63	MICROBIOLOGY	Sterilisation Indicator	2	5	10		
64	MICROBIOLOGY	Regent Bottles With Stopper, 2000,1000,500,250,100cc	100	5	500		
65	MICROBIOLOGY	Tissue Homogenizer with Pestle	6	5	30		
66	MICROBIOLOGY	Micrometer eye pieces	2	5	10		
67	MICROBIOLOGY	Micrometer stage	2	5	10		
68	MICROBIOLOGY	Durham's Tube	500	5	2500		
69	MICROBIOLOGY	Glass Beads	100	5	500		
70	MICROBIOLOGY	Autoclaving Basket	10	5	50		
71	MICROBIOLOGY	Sterilizing pans	10	5	50		
72	MICROBIOLOGY	Antibiotic Zone scale	3	5	15		
73	MICROBIOLOGY	Petri Dish Carrier 10&6	10	5	50		
74	MICROBIOLOGY	Hand Lens	2	5	10		

75	MICROBIOLOGY	Macintosh Fides Jar	2	5	10		
76	MICROBIOLOGY	Cryo Marker	2	5	10		
77	MICROBIOLOGY	Calibrated weight	1	5	5		
78	MICROBIOLOGY	Nichrome Inoculating Loop	60	5	300		
79	MICROBIOLOGY	Nichrome Inoculating Wire Straight	10	5	50		
80	MICROBIOLOGY	Tongue Depressor	4	5	20		
81	MICROBIOLOGY	Nasal Speculum	2	5	10		
82	MICROBIOLOGY	Micropipettes – Multi channel & Single channel	31	5	155		
		Total					
	Package 6						
83	PHARMACOLOGY	Stop watch	20	5	100		
84	PHARMACOLOGY	Pupillometer	10	5	50		
85	PHARMACOLOGY	The ideal Respiration Pump (500cc. CAP)	3	5	15		
86	PHARMACOLOGY	Automatic electric recording drums	4	5	20		
87	PHARMACOLOGY	Mechanical Stromhur	2	5	10		
88	PHARMACOLOGY	Canulas (different types)	48	5	240		
89	PHARMACOLOGY	Cautery machine, electric Blendsone	1	5	5		
90	PHARMACOLOGY	Smoking Burners Palmer A-291 and a-265	1	5	5		
91	PHARMACOLOGY	Tracheal Canula Metal Palmer E-76	4	5	20		
92	PHARMACOLOGY	Condons Drop Recorder- Palmer B-75	1	5	5		
93	PHARMACOLOGY	Prof.Inchleys Drop Recorder-Palmer B.78	1	5	5		
94	PHARMACOLOGY	Dissection instruments and injection syringes	10	5	50		
95	PHARMACOLOGY	Distillation apparatus	4	5	20		
96	PHARMACOLOGY	Chemical Balance-ordinary Apothecary's	2	5	10		
97	PHARMACOLOGY	Metabolic Cagges (Dieuretic Study)	4	5	20		
98	PHARMACOLOGY	Dissection instrument set (Plethysmograph assorted 4 Pneumograph Palmer E 1 Piston Recorder Palmer C.51 1 Tambours mareys Palmer C.5 & C.11 4 Tetanus Set Palmer H2O 1 Stop Watches Jacquets 12 Oxygen Cylinders with Trolleys 20 cu.ft 4 Carbon-di-oxide cylinder 2 Operating lamps-Phillips 4 Animal trolley with 12 cages)	4	5	20		

99	PHARMACOLOGY	Miscellaneous: (Electrodes, Ordinary and non polarisable, insulated wires, time markers, electric signals, Mercury manometer, perfusion apparatus, myograph lever, small pulley's upright stands and chemicals etc. As required)	100	5	500		
		Total					
	Package 7						
100	F.S.M	Stop Watch	2	5	10		
101	F.S.M	Anthropometric set	2	5	10		
102	F.S.M	Slide Warming Table	1	5	5		
103	F.S.M	Spectroscopic lens with adjustable slit	1	5	5		
104	F.S.M	L modes	20	5	100		
105	F.S.M	Block holder	5	5	25		
106	F.S.M	Weighing machine for dead bodies	1	5	5		
107	F.S.M	Autopsy Table	2	5	10		
108	F.S.M	Weighing machine for organs	2	5	10		
109	F.S.M	Balance, single pair for weighing foetus	1	5	5		
110	F.S.M	Magnifying Glass	4	5	20		
111	F.S.M	Tooth Extractor	2	5	10		
112	F.S.M	Hand Set heat Sealer	1	5	5		
113	F.S.M	Stretcher for Shifting Dead Bodies	4	5	20		
114	F.S.M	Rectal Thermometer	2	5	10		
		Total					
	Package 8						
115	COM. MED	Barometer (Mercury based instruments to be replaced with other alternatives)	1	5	5		
116	COM. MED	Filter, Pasteur Chamberland, complete set	1	5	5		
117	COM. MED	Filter, Berke fed	1	5	5		
118	COM. MED	Hydrometres, Spirit	2	5	10		
119	COM. MED	Hydrometres, milk	2	5	10		
120	COM. MED	Hydrometers, wet and dry bulb	1	5	5		
121	COM. MED	Balance for weighing food stuff (Capacity 2 Kg).	1	5	5		
122	COM. MED	Salters Baby weighing machine	2	5	10		

123	COM. MED	Harpender Calipers (for skinfold thickness)	3	5	15		
124	COM. MED	Height measuring stand	3	5	15		
125	COM. MED	Chloroscope	10	5	50		
126	COM. MED	Horrock's Apparatus	3	5	15		
127	COM. MED	MUAC tapes	10	5	50		
128	COM. MED	Haemoglobinometer	5	5	25		
129	COM. MED	Kata Thermometer	3	5	15		
130	COM. MED	Globe Thermometer	3	5	15		
131	COM. MED	Anemometer	3	5	15		
132	COM. MED	Sound level meter	3	5	15		
133	COM. MED	Soil testing kit	1	5	5		
134	COM. MED	Vaccine carrier	5	5	25		
135	COM. MED	Craft water testing kit	1	5	5		
136	COM. MED	Sling psychrometer	3	5	15		
137	COM. MED	First Aid Kit	1	5	5		