

**CENTRE FOR PROFESSIONAL AND ADVANCED STUDIES,
GANDHINAGAR, KOTTAYAM-686 008
(Established by Govt. of Kerala)**

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E-TENDER NOTICE No: 23/CPAS/Purchase/2018-19/3

20/12/2018

Technical Specification Compliance Sheet of the Laboratory Equipments

SI No.	Item with Specification	Qty	Complies/ Not Complies (for each items in Subsections. Do not write "as per quotation")	Deviations from tender specifications (Explain how better this is from tender specification)
1	Mannequins- Head, Neck, Thorax(GD/A18212)	1.00		
2	Mannequins- Abdominal Organs (GD/A10002)	1.00		
3	Knee Hammer (With Long Fiber Handle Head Round Made Of Soft Rubber)	10.00		
4	Dynamometer (Digital)	2.00		
5	Tongue Depressor (Made Of Steel L- Shape)	10.00		
6	Thermo Meter (Digital Thermometer)	10.00		
7	Tuning Fork (Of Multiple Frequencies Made Of Steel)	10.00		
8	Torch (Small, Fiber Cover)	10.00		
9	Goniometer (Made Of Steel, Small-3, Medium-3, Large-4)	10.00		
10	Inclinometer Set (Magnetic Bare, Steel Framing, Square Or Pipe)	1.00		
11	Weighing Machine (Manual)	1.00		
12	Height Measurement Tape	2.00		
13	Shoulder Pulley With Weights	1.00		
14	De Lorme Boot With Weights (For quadriceps Muscles Strengthening (Special Type Of Boot With Weight))	1.00		
15	Ankle Exerciser (Pair)	1.00		

16	Marine Wheel Full Circle (Made Of Wood –Big)	1.00		
17	Finger Ladder (Wooden)	1.00		
18	Mobilization Belt (Multigans)	2.00		
19	Wall Bar (Wooden)	1.00		
20	Exercise Mat (Large, No Foam Needed 8ft X6ft)	5.00		
21	Bolsters (set of Size- Large Small and Medium)	1.00		
22	Balance Board (Wooden Board) Kid Size	2.00		
23	Balance Board (Wooden Board) Adult Size	2.00		
24	Vestibular Ball in 3 Size (75,65,55cm in Diameter)	3.00		
25	ADL &Work Stimulation Station	1.00		
26	Inspiratory Muscle Traecle unit	1.00		
27	Nebulizer (With Piston Compressor)	1.00		
28	Amboo Bag (600ml Silicone Bag)	1.00		
29	Tracheostomy Tube set	1.00		
30	Endotracheal Tube set	1.00		
31	Peak Flow Meter	1.00		
32	Milwaukee Brace (For Spinal Deformity Custom Made Brace Free Size)	1.00		
33	Dennis Brownne Splint With Adjustable Spreader Bar Free Size	1.00		
34	Cock Up. Splint (Dynamic Splint Free Size)	1.00		
35	Upper Limb Prosthesis (Full Set Foam – Including Socket, Harmer, Elbow, Wrist, Terminal Device, Hands, Hooks)	1.00		
36	Above Knee Prosthesis	1.00		
37	Below Knee Prosthesis	1.00		
38	Elbow Crutch pair (Fiber With Peers Button Mechanism-)	1.00		
39	Gutter Crutch pair (Fiber With Press Button Mechanism)	1.00		
40	Walker (Aluminum): Adjustable	1.00		

41	Walker (Aluminum): Fixed	1.00		
42	Posture Assessment Kit (Wall Grid, Plumb line, Adjustment Board, Still Camera With Stand With Minimum 12mb)	1.00		
43	Interferential therapy (Digital, Portable 2000 to 4000 Hz)	1.00		
44	Ultra Sound therapy unit (Digital) frequency 1-3MHz	2.00		
45	Hydrocollatos (4 Pack)	1.00		
46	Cryopacks (10 Packs)	10.00		
47	Infrared Lamp for therapeutic purpose	1.00		
48	Pillow	20.00		
49	wooden Couch	10.00		
50	High Table	8.00		
51	Trolley	6.00		
52	High Stool	10.00		
53	Macintosh	10.00		

MLT Angamaly

	List of items	quantity		
1	Seitz filter: mount with 150 mm disc (1 no.), 100mm disc(1 no)	1.00		
2	Vaccum Pump: with a capacity to create upto 1000mm of Hg	1.00		
3	Deep Freezer: double walled construction,outer body made of G.I.sheet,powder coated ,inner chamber made of stainless steel, insulation puf. The outer door is provided with magnetic beading,lock,key and handle,temparature range minus 20 degree celsius fitted with digital temperature controller cum indicator with built in on delay. Equiped with CFC free compressor and refrigerant. The entire unit is mounted on castor wheels and lock.Vertical model is are supplied with stainless steel perforated trays. size cms WDH 45x45x60, capacity 100 ltr.	1.00		

4	Laboratory Hot Plate: rounded or rectangle hot plate made of thick M.S /S.S selection cast iron, maximum surface temperature 300 degree celsius controled by energy regulator	2.00		
5	Electric Heater: With element GI 220V	1.00		
6	Safety Cabinet: with laminar flow,laminar flow apparatus class II model. ISI.with quality assured HEPA filtration. Working table size :60x60x60LxWxH in centemetre diamension 660x750x2300 catogory number RBSC2	1.00		

MLT Manimalakkunnu

	List of items	quantity		
1	Centrifuge: Remi model / ISI rotary head bucket of 15ml capacity, speed upto 10000 rpm	2.00		
2	Hot air Oven: 18x18x18" (1 no) with inner chamber and perforated tray made up of s.s with power indicator, heat control, heat regulator upto 300 degree cecius	2.00		
3	Incubator: 18x18x18" ISI Specification with inner chamber and perforated tray made upof s.s. with temperature regulator upto 100 degree celcius	2.00		
4	Water bath: Perforated tray, temperature regulator upto 100 degree celcius chamber size	1.00		
5	Heater: with GI Element 220 v	2.00		
6	VDRL Shaker: The size of platform is 300x 300 mm.It can accomodate	1.00		
7	Electrophoretic Apparatus: with power pack - Agar gel PAGE	1.00		

8	<p>Microscope: Rechargeable, LED monocular microscope, stain resistant, enamel finished body, Fully anti fungal coated optical system with high resolution, monocular head with 360 degree rotation, wide field eye-piece-5x & 10x / 18mm double layer mechanical stage 120 x120x/60x30 mm. Plan Achromatic / apochromatic objective - (DIN) 4x, 10x/15x, 40x & 100x Oil immersion objective NA=\geq1.25, wide field compensating eyepiece 5x & 10x & Abbes condenser with NA=\geq 1.25, with iris diaphragm, blue filter, with battery backup for a minimum of 6 hrs. (preferably carton's student microscope/ equalant model) Quadruple Nose piece, S-LED illumination cool with adjustable illumination</p>	23.00		
9	<p>Scitz filter: mount with 150 mm disc (1 no.), 100mm disc(1 no)</p>	1.00		
10	<p>Vaccum Pump: with a capacity to create upto 1000mm of Hg</p>	1.00		
11	<p>Deep Freezer: double walled construction,outer body made of G.I.sheet,powder coated ,inner chamber made of stainless steel, insulation puf. The outer door is provided with magnetic beading,lock,key and handle,temparature range minus 20 degree celsius fitted with digital temperature controller cum indicator with built in on delay. Equiped with CFC free compressor and refrigerant. The entire unit is mounted on castor wheels and lock.Vertical model is are supplied with stainless steel perforated trays. size cms WDH 45x45x60, capacity 100 ltr.</p>	1.00		
12	<p>Deioniser(demineraliser): CA model CA 30 cap 30 Lts/hour</p>	1.00		
13	<p>Chromatography Equipments: Chromatography tank 250x250x150mm with cover TLC PLATES 20X20CM</p>	1.00		
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	Anatomy Gandhinagar			
1	Monocular light microscope, Source sunlight, with oil immersion lense, student type	10		

BPT Gandhinagar

Sl. No.	Particulars	Total requirements as per norms (A)		
1	Portable PFT: Digital Incentive lung Spirometer, LCD - 5.7*320*240 dots	1		
2	Sports Physiotherapy Kit: Strapping tape, electricals tape, scissors, saline, gauze, vaseline, pentoline(asthma puffer)	1		
3	Multiple Station Gym: 6 stage gym - Total weight - 180kg	1		
4	Posture assessment kit: Posture Grid - Plastic Material, wall mounted - 36*82(Vinyl banner)along with Steel Plumb - Bob 63*12mm (Survey drawing instrument)	1		

Biochemistry Gandhinagar

Sl. No.	Item	Quantity		
1	single beam UV Visible Spectrophotometer with standard accessories: PC Based, Wavelength range : 200 - 1000 nm Resolution : 0.1nm Accuracy : +/- 1nm Repeatability : +/-0.5 nm Bandwidth 1 nm Absorbance range 2.5	1.00		
2	Photoelectric colorimetre- digital with standard accessories: 8 Filters & Digital Output, 3 digit LED display Wavelength range : 400 - 700nm	2.00		
3	Digital pH Meter with standard accessories like PH Electrode, stand, Rod, Clamp, and Dust Cover: Electrode based, digital output , PH Range : 0 to 14 Resolution : 0.01 PH Accuracy : 0.01 PH +/- 1 Digit Display : 3.5 Digit LED	1.00		
4	Water bath (Boiling) -220 v: Double Walled Construction outer body made of MS Sheets , powder coated, inner body made of 304 quality SS sheet	1.00		

5	Electronic Balance - Illuminated Display: Capacity - 0.42 Kg, Least count - 0.0001 gm	1.00		
6	Flame Photometer with compressor & other accessories: Accuracy - +/- 2% Display - 2.5 Digit LED Minimum Sample Volume - 3.5 ml Aspiration Time - 30 Sec. Air Pressure - 0.3 to 0.6 Kg / cm ² Accessories - Gas and Air Tube	1.00		
7	Electrophoresis Unit with power supply: Mini submarine gel horizontal type.	1.00		
8	Electronic portable Balance Top loading balance: Maximum Capacity 1220 gm. Sensitivity - 0.1 gm. Weighing pan - 133 × 170 mm	2.00		
9	Incubator: General purpose incubator, Temp. Ambient to 60° C with an air circulating fan Size 450 × 450 × 600	2.00		
10	Hot Air Oven: Temp. Up to 250 , Thermostatic control with an accuracy of +1 - 1°C Size - 600 × 600 × 600	1.00		
11	Mixer Grinder: 750 Watt	1.00		
12	Induction cook Top: 1200 Watt	1.00		
13	Single channel adjustable Micro pipette with tips: (set of 0.5 - 1.0µl, 2 - 20µl, 20 - 200µl, 200 - 1000µl)	2.00		
14	Single channel Fixed Micro pipette with tips: volume 1 ml	2.00		
15	Chemical Thermo meter-	5.00		
16	Digital pH meter tester: Water Wine LCD Pen Monitor	5.00		