



( MOTHER TONGUE IS OUR ADMINISTRATIVE LANGUAGE )

**GOVERNMENT MEDICAL COLLEGE  
PARIPALLY, KOLLAM-691574**

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No.C2/150/2022/GMCKLM

Dated: 05/02/2022

**TENDER NOTICE**

Sealed Competitive Tenders in the Prescribed form are invited for the supply of the following items required for the department of Bio Medical Engineering, Government Medical College, Kollam.

Tender should be super scribed with tender number and addressed to the principal, Medical College, Kollam, Pin-691 574. Details can be had from this office on working hours till 5.00 PM

**SCHEDULE**

Sl. No	Tender No	Name of Items	Qty	Department	Total Cost	EMD	Cost of Tender form (Inclusive vat)		Last date of sale of Tender form	Last date of receipt on tender form	Opening date and time
							Original	Duplicate			
1	02/2022	Tools & Equipments(list attached)		Dept of BME	₹ 2,99,570/-	1%	1100	600	05/03/2022 2.30pm	05/03/2022 2.30pm	05/03/2022 3pm

Tender form will be sent through post if required provided due amount with sufficient postage charge (Rs.50/-) is sent by way of money order in favour of the Principal, Government Medical College, Kollam, Pin-691 574. Money order should reach this office on or before 28/02/2022. No other forms of remittance will be accepted.

  
For **PRINCIPAL**

4/1  
8/2/22

Website: GMCKLM

No.C2/150/2022/GMCKLM

**Tender No. 02/2022**  
**Dept. of Biomedical wing**  
**Tools and Equipment**

SL NO	ITEM NAME	SPECIFICATION	UNIT	QTY
1	1Ø welding machine (portable)	250V,200 A or more adjustable,All in one Inverter multi (SS/Iron/Carbon steel/Aluminium[Optional]) Welding Machine, Goggles, Wire Brush, Welding Cable, Earth Cable etc.(Full set)	Nos	1
2	Analog Multimeter	AC Voltage: (0-1000)V, Accuracy: $\pm 5V$ , DC Voltage : (0- 1000)V, accuracy $\pm 4V$ , AC Current Amps: (0-10)A, Accuracy : $\pm 4 A$ , DC Current Amps: (0-10)A ,Accuracy $\pm 4 A$ , Resistance :(0-200K) $\Omega$ , Accuracy $\pm 3 ARC$ , Power Input : R6P/AA 1.5V 2pcs/6F22 9V	Nos	1
3	Auto transformer	With digital display,300V,15A	Nos	1
4	Ball peen hammer	1/2 kg	Nos	1
5	Battery Charger	6-24V,30A with overload and reverse protection series and parallel operation ,auto cut off,easy to operate,Digital/analoge indicator for charging,voltage,current,overload etc.	Nos	1
6	Combination Plier	200mm	Nos	4
7	Datacable crimping tool	RJ all types	Nos	1
8	Desktop Grinder	Single Phase,Smooth,dead smooth double stone	Nos	1



9	Digital Multimeter (high precision)	<p>True RMS DC V 600.0mV/6.000/60.00/600.0/1000V (Input impedance: 10M<math>\Omega</math> [600mV/60/600/1000V], 11M<math>\Omega</math> [6V]) <math>\pm 0.09\%</math>rdg <math>\pm 2</math>dgt (Basic accuracy)</p> <p>AC V [RMS] 600.0mV/6.000/60.00/600.0/1000V (Input impedance: 10M<math>\Omega</math> &lt; 200pF [600mV], 11M<math>\Omega</math> &lt; 50pF [6V], 10M<math>\Omega</math> &lt; 50pF, [60/600/1000V]) <math>\pm 0.5\%</math>rdg <math>\pm 5</math>dgt (Basic accuracy)</p> <p>DC A 600.0/6000<math>\mu</math>A/60.00/440.0mA/6.000/10.00A <math>\pm 0.2\%</math>rdg <math>\pm 2</math>dgt (Basic accuracy)</p> <p>AC A [RMS] 600.0/6000<math>\mu</math>A/60.00/440.0mA/6.000/10.00A <math>\pm 0.75\%</math>rdg <math>\pm 5</math>dgt (Basic accuracy)</p> <p><math>\Omega</math> 600.0<math>\Omega</math>/6.000/60.00/600.0k<math>\Omega</math>/6.000/60.00M<math>\Omega</math> <math>\pm 0.4\%</math>rdg <math>\pm 1</math>dgt (Basic accuracy)</p> <p>Continuity buzzer 600.0<math>\Omega</math> (The buzzer turns on for resistances lower than 50<math>\pm 30\Omega</math>)</p> <p>Diode test 2.000V <math>\pm 1\%</math>rdg <math>\pm 2</math>dgt</p> <p>Open circuit voltage: &lt; 3.5V (Approx. 0.5mA Measuring Current)</p> <p>Capacitance 10.00/100.0nF/1.000/10.00/100.0/1000<math>\mu</math>F <math>\pm 2\%</math>rdg <math>\pm 5</math>dgt (Basic accuracy)</p> <p>Frequency 10.00 - 99.99/50.0 - 999.9Hz/0.900 - 9.999/9.00 - 99.99kHz <math>\pm 0.02\%</math>rdg <math>\pm 1</math>dgt (Basic accuracy)</p> <p>Temperature -50 - 600<math>^{\circ}</math>C <math>\pm 2\%</math>rdg <math>\pm 2^{\circ}</math>C (with the use of K-type Temperature probe)</p> <p>Other functions Data Hold (D/H), Auto Hold (A/H), Range Hold (R/H),</p> <p>Zero Adjustment (Capacitor, Resistance), LCD backlight</p> <p>Power source R6 (1.5V) <math>\times 4</math> (Auto power off: )</p> <p>Included Accessories Accessories (Test leads), R6 <math>\times 4</math>, Instruction manual, (Fuse [440mA/1000V]) <math>\times 1</math> (included) (Fuse [10A/1000V]) <math>\times 1</math> (included) with carry case</p>	Nos	2
10	Digital Thermometer	(-)70 $^{\circ}$ C to 200 $^{\circ}$ C with carry case	Nos	1
11	Earth Tester	<p>Earth resistance range: (0<math>\Omega</math>-500<math>\Omega</math>), Resolution : 0.01<math>\Omega</math>, Resistance Accuracy : 2% <math>\pm 2</math> digits, Voltage measurement: 0V-100V AC, Environment Protection: water proof to IP54, Safety Standard ; IEC-1010(EN 01010) or equivalent standard , Powersupply: Suitable internal standard battery</p>	Nos	1
12	Electrical heavy duty cable hydraulic crimping tool	31/2 feet	Nos	~ 1

13	Electronic maintenance tool kit	<p>The tool kit should contain each of the following items.</p> <p>1. Side cutter 125mm, 2. Long nose pliers 138mm, 3. 3pcs soldering aid tools, 4. Dual color long nose pliers 165mm, 5. Cabling splicing knife, 6. Adjustable wrench 8", 7. Quick heat ceramic soldering iron 110V or 220V, 8. DMM with mechanical prevent mistaken operation, 9. Line color screwdriver 3.2x75mm, 10. Line color screwdriver #0x75mm, 11. Line color screwdriver #1x75mm, 12. Line color screwdriver 3.2x100mm, 13. Line color screwdriver 6.0x100mm, 14. Line color screwdriver 6.0x38mm, 15. Line color screwdriver #2x38mm, 16. Line color screwdriver 8.0x150mm, 17. Desoldering wick, 18. 6pcs electronic screwdriver set, 19. Multi-purpose crimping tool (metric) or (inch), 20. Mini flash light, 21. Steel ruler 6", 22. Solder core 63%, SN, 23. Super torque ratchet handle, 24. 4pcs Hex driver blades: 1/16", 5/64", 3/32", 1/8"(inch) or 1.5, 2, 3, 4mm(metric), 25. 7pcs nut driver blades: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"(inch) or 5, 6, 8, 9, 10, 11, 26. 12mm(metric), 27. Driver blade T10.</p>	Nos	1
14	Fibre to fibre tester		Nos	1
15	Flat screwdriver	12"	Nos	2
16	G-clamp heavy duty	Capacity : 12 inch/300 mm, Throat Depth 115 mm, Frame Load - 6800 kg	Nos	1
17	Glouse(Electrical grade)	Anatomic shape, Thickness 0.5mm,Length 27cm	Set	1
18	Grip plier	250mm	Nos	2
19	Hacksaw blade large size	18 TPI,14TPI	Pkt	1
20	Hacksaw blade small size	24 TPI,18 TPI	Pkt	1
21	Hacksaw frame	Size adjustable to 250 mm and 350 mm ,Standard Rigid and well balanced frame made from Tubular Steel	Nos	2
22	Hacksaw frame Junior	Single Piece Construction,Thickness 5 mm and 6 mm	Nos	2
23	Handvice	5"	Nos	2
24	Heavyduty line tester	150mm 600V-Grade,neon lamp	Nos	5
25	Known Weight	5 Kg	Nos	1
26	Known Weight	1 Kg	Nos	1
27	Known Weight	100gm	Nos	1
28	Longnose Plier	6"	Nos	4
29	Mallet	Head dia -54mm,head length -148mm,overall length -360mm	Nos	1
30	Mini grinding Machine	<p>252 Pes Electric Die Grinding Tool Kit, 1 Set Flexible Shaft, 1 Set Grinding Stone &amp; Polishing Brush Sanding Band, Plastic Tool Case Mandrel, Drill Bit &amp; Diamond Grinding Stone</p> <p>Size Clamp: 3.17</p> <p>Maximum Speed 800-30000 rpm</p> <p>Power source Coded</p> <p>Frequency 50 Hz</p> <p>Material Plastic</p> <p>Power Consumption Electric Grinder: 180 W</p>	Nos	1
31	Measuring tape	30meter	Nos	1



		50/100/250/500/1000V CAT V insulation and continuity tester, continuity testing at 200mA or 20mA down to 0.01	Nos	1
32	Meger-600V		Nos	1
33	Mortise chisel	1/2" with handle	Nos	1
34	Mortise chisel	1/4" with handle	Nos	1
35	Multitool set(skill mini)	All types,made with good quality steel	Set	1
36	Needle file set	All shapes	Set	2
37	Nut driver	5"	Nos	1
38	Nut driver	6"	Nos	1
39	Plump Bob	Mild steel (425-500gm)	Nos	2
40	Side cutting plier	150mm	Nos	1
41	Soldering iron	250W	Nos	2
42	Soldering iron	25W	Nos	1
43	Standard Wire Gauge	All size wire measurement	Nos	1
44	Tool Bag	Heavy Duty Tool Case with Pocket Pallets, Pull Handle ,ABS plastic , Weather Resistant, Carrying case Vacuum Formed Construction.	Nos	4
45	Vertical Drilling machine -heavy duty	30, With base and Speed control,Drilling Capacity in steel 38 mm(Minimum) Spindle Taper MT4 Distance between centre of spindle and pillar from 310 mm(Minimum) Maximum Distance between spindle and table 555 mm Maximum Distance between spindle and base 1000 mm,Table working surface 370 dia Base working surface 370 x 330 mm No. of spindle speeds 5 (Minimum) Spindle speed (RPM) 150 to 700 RPM (approx.) Feed Manual Feed	Nos	1
46	AC insulation sleeve	1/4"size (1.5 meter length)	Nos	15
47	AC insulation sleeve	3/8"size (1.5 meter length)	Nos	15
48	AC insulation sleeve	1/2"size (1.5 meter length)	Nos	15
49	AC insulation sleeve	5/8"size (1.5 meter length)	Nos	10
50	Brazing rod	Copper	Nos	20
51	Brazing rod	Silver Copper	Nos	5
52	Butane gas with porable container and welding torch	Double nozzle type 225 gram of butane gas	Nos	2
53	Butane gas with porable container and welding torch	Single nozzle type 225 gram of butane gas	Nos	1
54	Condenser fan motor	35 Watts	Nos	3
55	Copper tube	Annealed type 1/4" size	Mtr	3
56	Copper tube	Annealed type 3/8" size	Mtr	5
57	Copper tube	Annealed type 5/8" size	Mtr	5
58	Copper tube	Annealed type 1/2" size	Mtr	5
59	Cylinder Valve Key	Stainless steel material	Nos	3
60	Dead Plug	1/4" size brass material	Nos	5
61	Dead Plug	3/8" size brass material	Nos	5

62	Dead Plug	5/8" size brass material	Nos	5
63	Electronic weighing machine -Digital type	10Kg capacity	Nos	1
64	Flare nut	1/4" size brass material	Nos	6
65	Flare nut	3/8" size brass material	Nos	5
66	Flare nut	5/8" size brass material	Nos	5
67	Flare nut	1/2" size brass material	Nos	5
68	Gauge manifold set with three number of charging lines each 500 Psi capacity	Pressure range of compound gauge -30 to 150 PSI high pressure range : 0 to 500 PSI	Nos	2
69	Piercing valve 1/4"	1/4" size	Nos	2
70	PTC relay with OLP	1/8 HP	Nos	5
71	PTC relay with OLP	1/6 HP	Nos	5
72	R-122 drier filter	for split AC	Nos	5
73	R-134a drier filter	for water cooler	Nos	5
74	Refrigerant gas R-134a with cylinder	Cylinder of 2 Kg capacity	Nos	2
75	Refrigerant gas R-22 with cylinder	Cylinder of 5 Kg capacity	Nos	2
76	Shutoff valve	1/4" size-3 way type	Nos	3
77	T-handed type Allen Key	4 mm size	Nos	5
78	Vacuum Pump	2 stage,rotatary type power :1/2 HP,Voltage: 220V/50Hz	Nos	1
79	White tape for AC pipeline insulation	Roll type	Rolls	5
80	wire brush	brazz/MS -15cm x 5cm	Nos	1

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22/22

*[Signature]*  
For Principal