

GOVERNMENT ENGINEERING COLLEGE, PAINAVU, IDUKKI

No. P1/6365/23

Date: 22/12/2023

SHORT QUOTATION NOTICE

Quotation No.27/2023-24

Sealed quotations are invited for the purchase of consumable items for Power Electronics and Control lab of EEE department. item list attached

The sealed envelopes containing the quotations should bear the superscription "Quotation No 27/23-24 due on 09-01-2024 and should be addressed to the Principal, Government Engineering College, Painavu, Idukki – 685 603. Last date of receipt of quotation is 09-01-2024 02:00 pm. Late quotations will not be accepted. The quotations will be opened at Engineering College, Painavu, Idukki – 685603 on 09-01-2024 at 03:00 PM in the presence of such of the tenderers or their authorized representatives who may be present at that time. The maximum period required for delivery of the articles should also be mentioned.

Details of requirements and the conditions governing their supply can be obtained on free of cost from the undersigned till 09-01-2024 at 02:00 PM. The offer should be valid for a minimum period of 3 (three) months from the date of opening the quotations.

1. Price should include all charges and taxes specifically stated. .
2. Payment; Will be made only after the successful completion of the supply / work.
3. Date of opening of quotation; In case the proposed date declares as holiday, the quotation will be opened on the next working day.

To,

PRINCIPAL

1. College Notice Board, Website
2. HoD,EEE
3. Office Copy.

Approval Valid

Digitally Approved By

Dr.Suresh K

Date: 28.12.2023

Reason: Approved

The document is digitally approved. Hence signature is not needed.

GOVERNMENT ENGINEERING COLLEGE IDUKKI
PURCHASE OF ITEMS NEEDED FOR THE PROJECT LAB OF EEE
QUATION No.27/2023-24

Sl.no	Item with Specification	Qty
1	1N4007- DIODE	100
2	1N4148 - DIODE	100
3	UF4007- DIODE	100
4	1N5819 – DIODE	50
5	MUR440 – DIODE	25
6	MUR840 – DIODE	25
7	5.1V, 0.5 W Zener Diode	50
8	12 V, 0.5W Zener Diode	50
9	OPAMP IC – TL082 (PDIP)	25
10	OPAMP IC – TL082 (SMD)	25
11	OPAMP IC – TL084 (PDIP)	50
12	Half Bridge Driver IC – IR2104 (PDIP)	30
13	Half Bridge Driver IC – IR2104 (SMD)	15
14	Full Bridge Driver IC – FAN7392 (PDIP)	15
15	COMPARATOR IC – LM339 (PDIP)	50
16	COMPARATOR IC – LM311 (PDIP)	50
17	PWM IC – TL494 (PDIP)	50
18	PWM IC – SG3525 (PDIP)	50
19	PWM IC – UC3842 (PDIP)	30
20	PIC 16F877A (PDIP)	10
21	dsPIC 30F2010 (PDIP)	10
22	BU406 – NPN PowerBJT	50
23	BS170 MOSFET	50
24	IRLZ44 Logic Level MOSFET	25
25	IRFZ48 MOSFET	50
26	IRF540 MOSFET	50
27	IRF840 MOSFET	50
28	IRF9530 p-channel MOSFET	20
29	20N60 MOSFET	25
30	60T120 IGBT	15
31	25N120 IGBT	15
32	LM317 – Adjustable Voltage Regulator IC (PDIP)	30
33	LM1117 – 3.3V Regulator (PDIP)	30
34	7805 – 5V Regulator (PDIP)	30
35	7812 – 12V Regulator (PDIP)	20
36	1 Ohm, 500 mW resistor	50
37	1.8 Ohm, 500 mW resistor	50
38	2.2 Ohm, 500 mW resistor	50
39	4.7 Ohm, 500 mW resistor	50

40	10 Ohm, 500 mW resistor	50
41	22 Ohm, 500 mW resistor	50
42	33 Ohm, 500 mW resistor	50
43	47 Ohm, 500 mW resistor	100
44	75 Ohm, 500 mW resistor	50
45	75 Ohm, 250 mW resistor	50
46	100 Ohm, 500 mW resistor	50
47	100 Ohm, 250 mW resistor	100
48	180 Ohm, 500 mW resistor	100
49	220 Ohm, 250 mW resistor	50
50	330 Ohm, 250 mW resistor	50
51	360 Ohm, 250 mW resistor	50
52	390 Ohm, 250 mW resistor	100
53	470 Ohm, 250 mW resistor	50
54	560 Ohm, 500 mW resistor	50
55	680 Ohm, 500 mW resistor	50
56	750 Ohm, 500 mW resistor	50
57	1 kOhm, 500 mW resistor	100
58	1 kOhm, 250 mW resistor	50
59	2 kOhm, 250 mW resistor	50
60	2.7 kOhm, 250 mW resistor	100
61	3.3 kOhm, 250 mW resistor	50
62	3.9 kOhm, 250 mW resistor	50
63	4.7 kOhm, 250 mW resistor	50
64	5.6 kOhm, 250 mW resistor	50
65	6.8 kOhm, 250 mW resistor	50
66	7.5 kOhm, 250 mW resistor	50
67	10 kOhm, 250 mW resistor	100
68	12 kOhm, 250 mW resistor	100
69	15 kOhm, 250 mW resistor	50
70	18 kOhm, 250 mW resistor	50
71	22 kOhm, 250 mW resistor	50
72	27 kOhm, 250 mW resistor	50
73	33 kOhm, 250 mW resistor	50
74	36 kOhm, 250 mW resistor	50
75	39 kOhm, 250 mW resistor	50
76	47 kOhm, 250 mW resistor	50
77	56 kOhm, 250 mW resistor	50
78	68 kOhm, 250 mW resistor	50
79	75 kOhm, 250 mW resistor	50
80	82 kOhm, 250 mW resistor	50
81	100 kOhm, 250 mW resistor	100
82	150 kOhm, 250 mW resistor	100
83	220 kOhm, 250 mW resistor	50
84	330 kOhm, 250 mW resistor	50
85	470 kOhm, 250 mW resistor	50
86	560 kOhm, 250 mW resistor	50
87	680 kOhm, 250 mW resistor	50
88	22 Ohm, 5 W fusible resistor	50

89	47 Ohm, 5 W fusible resistor	50
90	100 Ohm, 10 W fusible resistor	50
91	330 Ohm, 5 W fusible resistor	50
92	1 kOhm, 5 W fusible resistor	50
93	10 Ohm, 1210 SMD Resistor	30
94	22 Ohm, 1210 SMD Resistor	30
95	47 Ohm, 1210 SMD Resistor	50
96	100 Ohm, 1210 SMD Resistor	50
97	330 Ohm, 1210 SMD Resistor	30
98	470 Ohm, 1210 SMD Resistor	30
99	680 Ohm, 1210 SMD Resistor	30
100	1 kOhm, 1210 SMD Resistor	50
101	2.2 kOhm, 1210 SMD Resistor	50
102	4.7 kOhm, 1210 SMD Resistor	30
103	5.6 kOhm, 1210 SMD Resistor	30
104	10 kOhm, 1210 SMD Resistor	50
105	22 kOhm, 1210 SMD Resistor	30
106	22pF Ceramic Disc Capacitor	100
107	1 nF Ceramic Disc Capacitor	50
108	10 nF Ceramic Disc Capacitor	50
109	22 nF Ceramic Disc Capacitor	50
110	47 nF Ceramic Disc Capacitor	50
111	68 nF Ceramic Disc Capacitor	50
112	0.1 uF Ceramic Disc Capacitor	100
113	0.22 uF Ceramic Disc Capacitor	100
114	0.33 uF Ceramic Disc Capacitor	50
115	0.47 uF Ceramic Disc Capacitor	50
116	0.68 uF Ceramic Disc Capacitor	50
117	1uF, 63V Electrolytic Capacitor	50
118	2.2uF, 63V Electrolytic Capacitor	50
119	3.3uF, 63V Electrolytic Capacitor	50
120	4.7uF, 63V Electrolytic Capacitor	50
121	6.8uF, 63V Electrolytic Capacitor	50
122	10uF, 63V Electrolytic Capacitor	50
123	22uF, 63V Electrolytic Capacitor	50
124	33uF, 63V Electrolytic Capacitor	50
125	47uF, 63V Electrolytic Capacitor	50
126	100uF, 25V Electrolytic Capacitor	50
127	220uF, 25V Electrolytic Capacitor	50
128	470uF, 25V Electrolytic Capacitor	50
129	1000uF, 25V Electrolytic Capacitor	50
130	10 nF, 1210 SMD Capacitor	30
131	47 nF, 1210 SMD Capacitor	30
132	100 nF, 1210 SMD Capacitor	30
133	220 nF, 1210 SMD Capacitor	30
134	470 nF, 1210 SMD Capacitor	30
135	Single side FR4 Copper clad board (100 x 70 mm)	30
136	Bread board – 830 tie points	20

137.	Plastic Box with 20 or more compartments for component storage	10
138	22 SWG Enamelled Copper Wire (kg)	0.6
139	18 SWG Enamelled Copper Wire (kg)	0.8
140	Ultrasonic Distance Sensor Module	2
141	2 channel Relay driver module 5V	2
142	L298N motor driver	2
143	Bluetooth Module	2
144	Raspberry pi power supply- 5V 3A	2
145	Raspberry Pi 5MP Camera Module with Cable	2
146	ESP 8622	5
147	ESP 32	5