

## Rajiv Gandhi Institute of Technology, Kottayam

No. D3/4202/17/RIT

Dated: 16.08.2017

### TENDER SCHEDULE

Superscription	: Tender No.D3/4202/17/RIT, Purchase of various Electronics consumables for the use4 of Power Electronics Lab & electronics Lab in the EEE Department
Last date and time receipt of tender	: 23/09/2017 11 a.m
Date and time of opening of tender	: 23/09/2017 2 p.m
Last date and time of sale of tender form	: 22/09/2017 2 p.m
Date upto which the rates are to be firm	: 15/03/2018
Cost of tender form	: <b>Original Rs.708/- inludes GST 18% Duplicate Rs. 354/- -do- By Post Rs.743/- includes GST &amp; postal charges</b>
Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send	: THE PRINCIPAL, RAJIV GANDHI INSTITUTE OF TECHNOLOGY, VELLOOR P.O, PAMPADY, KOTTAYAM, KERALA, PIN - 686 501

### List of Items Required

<u>Details of items</u>	<u>Quantity</u>
1 List attached	

PRINCIPAL

List of items required

Sl.No.	Item with specification	Quantity	
1	High- Power Factor Preregulator IC UC3854	10	
2	Analog to Digital converter IC ADC7864	5	
3	Dual MOSFET Driver IC MIC4425	10	
4	FAST SWITCHING DIODE 1N4148	100	
5	High CMR isolation amplifier HP7800	10	
6	CMOS NAND gates CD4011	20	
7	Dual Peripheral driver SN75451	20	
8	Fibre optic transmitter /receiver HFBR1521	5	
9	Fibre optic transmitter /receiver HFBR2521	5	
10	8-PIN DIP IC SOCKET	100	
11	14-PIN DIP IC SOCKET	100	
12	16-PIN DIP IC SOCKET	100	
13	Relimate Connectors (Female Type) 2-PIN	50	
14	Relimate Connector (Male Type, PCB Mounting) 2-PIN	50	
15	Rectifier Module (3- Phase to DC) SEMIKRON SKD62	6	
16	Rectifier Module(1- Phase to DC) SEMIKRON SKB53	6	
17	IGBT 3 -Phase Inverter Module SEMIKRON SEMIX151GD126HDs	6	
18	HEATSINK (80 AD) with Black Coating (Height 136 mm, Width -126 mm and Length -300 mm)	6	
19	<b>ALUMINIUM ELECTROLYTIC CAPACITOR:</b> ALCON - 4700uF, 500V (550 V Surge) Inverter Grade, Screw Terminals with Plain Insulated Base, Maximum ESR<0.045 At 100 Hz and 25°C Temperature Range: -40 °C to 85 °C	12	
20	<b>IGBT SNUBBER CAPACITOR:</b> ALCON KPF 1uF, 1000V, Box Type Direct Mount to IGBT (Terminal Distance:23 mm) Polypropylene Dielectric, Double Metalized Electrode, Minimum dv/dt:600V/us, ESR, 4 Milli Ohms at 100 KHz, Irms max At 100 KHz:25A	20	
21	<b>RESISTOR:</b> Ceramic Screw Termination Wire wound Panel mount Resistor, 47 K <sup>Q</sup> ±% 10W	20	
22	<b>LEM SENSORS</b> LV-25P	10	
23	Ferrite Core (Material N 87) with Bobbin/ Coil Former and Yoke/Clamp	E30/15/17	10
24	Ferrite Core (Material N 87) with Bobbin/ Coil Former and Yoke/Clamp	E65/32/27	10
25	Ferrite Core (Material N 87) with Coil Former (Both Vertical and Horizontal) and Yoke/Clamp	ETD29/16/10	10
26	Ferrite Core (Material N 87) with Coil Former (Both Vertical and Horizontal) and Yoke/Clamp	ETD34/17/1110	
27	Ferrite Core (Material N 87) with Coil Former (Both Vertical and Horizontal) and Yoke/Clamp	ETD44/22/15	10
28	Ferrite Core (Material N 87) with Coil Former (Both Vertical and Horizontal) and Yoke/Clamp	ETD49/25/16	10
29	Ferrite Core (Material N 87) with Coil Former (Both Vertical and Horizontal) and Yoke/Clamp ETD54/28/19	ETD54/28/19	10
30	(1/4)W Carbon Film Resistors	Ohms:- 10,12,15,18,22,27,33,39,47,56,68,82,100,120,150,180,220,270,330,390,470,560,680,820	100 each
31	(1/4)W Carbon Film Resistors	Kilo Ohms:- 10,12,15,18,22,27,33,39,47,56,68,82,100,120,150,180,220,270,330,390,470,560,680,820	100 each
32	(1/4)W Carbon Film Resistors	Mega Ohms:- 1,1.1,2,1.5,1.8,2.2,2.7,3.3,3.9,4.7,,5,6,6.8,8.2,10,12,15,18	100 each
33	(1/2) W Carbon Film Resistors	10,22,47,100,220,470 ohms 1k,10k,22k,47k,100k	50 each
34	1W Carbon Film Resistors	1, 2.2,4.7,10,22,47,100,220,470 ohms 1k,10k,22k,47k	20 each
35	2W Carbon Film Resistors	1.2,2.4,7,10,22,47,100,220,470 ohms 1k,10k,22k,47k	20 each
36	Single-strand hook - up wire for breadboard applications	22 AWG, different colours	20 coils