

Bill of Materials for Smart Energy Meter

s/n	Component	Image Link	Unit (s)	Unit Cost (N)	Total (N)	Purchase Link	Purchase Status
1	Energy meter PZEM 004t	Github	1	13,000.00	13,000.00	Konga	Not purchased
2	ESP8266 WEMOS D1 mini	Github	1	5,500.00	5,500.00	Konga	Not purchased
3	1 Channel relay Module	Github	1	1,650.00	1,650.00	Microscale	Not purchased
4	1602 LCD	Github	1	3,000.00	3,000.00	Microscale	Not purchased
5	I2C Module	Github	1	1,100.00	1,100.00	Microscale	Not purchased
6	240VAC-5DC Bulk converter (5W or 3V)	Github	1	5,400.00	5,400.00	Microscale	Not purchased
7	5V Active Buzzer	Github	1	255.00	255.00	Microscale	Not purchased
8	LED (5mm, Green)	Github	3	20.00	60.00	Microscale	Not purchased
9	LED (5mm, Red)	Github	3	20.00	60.00	Microscale	Not purchased
10	Resistor (10k)	Github	2	18.00	36.00	Microscale	Not purchased
11	Resistor (1k)	Github	2	15.00	30.00	Microscale	Not purchased
12	Power Switch	Github	1	180.00	180.00	Microscale	Not purchased
13	Bread board	Github	1	950.00	950.00	Microscale	Not purchased
14	Soldering lead (0.5mm, 50g)	Github	1	6,000.00	6,000.00	Microscale	Not purchased
15	Male to male Jumper wires (1 set)	Github	1	1,000.00	1,000.00	Microscale	Not purchased
16	JST XH2.54 Connector (2P)	Github , Github2 , Github3	6	130.00	780.00	Microscale , Hub360	Not purchased
17	JST XH2.54 Connector (3P)	Github , Github2 , Github3	2	230.00	460.00	hub360	Not purchased
18	JST XH2.54 Connector (4P)	Github , Github2 , Github3	4	260.00	1,040.00	Hub360	Not purchased
19	AC power inlet port	Github , Github2 , Github3	1		0.00		Not purchased
20	Ac power inlet Cable	Github	1		0.00		Not purchased
21	Ac power outlet (socket)	Github	1		0.00		Not purchased
22	Ribbon Cables (1m)	Github	1	1,980.00	1,980.00	Microscale	Not purchased
23	Printed Circuit Board (PCB)		1		0.00		Not purchased
24	3D printed Case		1		0.00		Not purchased
25	Screws	Github	12		0.00		Not purchased
26	Miscellaneous & Logistics				0.00		
	Total				42,481.00		