

## BILL OF MATERIALS (FAB - E Robo)

Sl. No	Parts	Qty	Description	Unit Price	Total (in RS)	Total (in \$)
<b>Electronics &amp; Mechanical</b>						
1	PCB	1	150x100mm	60	60	0.92307692
2	ATtiny44 IC	1	ATTINY44-15SSZ-ND	230	230	3.53846154
3	ht12e and ht12d IC	1	Encoder Decoder IC's	80	80	1.23076923
4	RF Module 434-MHz	1	1 Transmitter + 1 receiver	250	250	3.84615385
5	LM324 IC	1	DIP-14 TI Low Power Quad Op-Amp	30	30	0.46153846
6	L293D IC	1	Motor Driver IC	60	60	0.92307692
7	DC GEARED MOTOR	2	100 RPM, 9V DC	100	200	3.07692308
8	10K Potentiometer	2	variable resistor	5	10	0.15384615
9	Resistor	3	10K	1	3	0.04615385
10	Resistor	2	100Ohm	1	2	0.03076923
11	Resistor	4	400Ohm	1	4	0.06153846
12	Resistor	2	1M	1	2	0.03076923
13	Resistor	2	44K	1	2	0.03076923
14	LED	5	Red LED	1	5	0.07692308
15		2	IR Tx & Rx LED	20	40	0.61538462
16	7805 IC	1	5v voltage regulator	20	20	0.30769231
17	capacitor	2	.01uf, 10uf	5	10	0.15384615
18	Push Button Switch	5	Switch	10	50	0.76923077
19	12V Battery	1	12V Lithium-Ion Rechargeable	500	500	7.69230769
20	9V Battery	1	HW long life zinc Carbon Battery	20	20	0.30769231
21	100x40 MM Wheels	2	Robot Wheels	50	100	1.53846154
22		1	Ball Castor Wheel	40	40	0.61538462
23	rainbow brown wire	1	Wire (1meter)	20	20	0.30769231
<b>Assembly Parts</b>						
1	Craft wood sheets	2	60cmX30cm (3mm)	300	600	9.23076923
2	Acrylic sheets	1	60cmX30cm (3mm)	400	400	6.15384615
3	3 ply carton sheets	1	60cmX30cm (4mm)	50	50	0.76923077
4	3d printer pla filament	1	PLA 3.85 (10 gm)	60	60	0.92307692
			<b>Total</b>		2848	43.8153846
			<b>Grand Total</b>		<b>₹ 2848.00</b>	<b>\$44.00</b>