

No	Name	Item No	Price/pc	Cost in Birr
1	Zigbee RX	2	700	1400
2	ARDUINO UNO R3	2	1,500	3,000
3	Hybrid Stepper Motor 2 Phase for Laser Engraver Machine CNC Router	2	950	1,900
4	Ultrasonic Sensor	4	300	1200
5	Jumping wire	10	200	2,000
6	Radio transmitter	2	12,000	24,000
7	GPS sensor	2	400	800
8	Servo motors (Brushless motor)	8	1,500	12,000
9	Brushless motor connector	8	500	4,000
10	Buzzer	2	200	400
11	Battery for radio transmitter	50	20	1000
12	MD910 High Sensitivity Handheld Metal Detector Underground Metal Detector Metal Finder Gold Digger	2	6000	12,000
13	12v battery	2	250	500
14	PIR Sensor	2	500	1000
15	GSM	1	1500	1500
16	Round Electrobot Robotic Tyre for DC Gear Motor	8	500	4000
17	Miscellaneous	-	-	15,400
	<b>Material cost (in birr)</b>			<b>85,400</b>

No	Name	Item No	Price/pc	Cost in Birr
1.	Bluetooth module	1	350	350
2.	ARDUINO UNO R3	1	650	650
3.	DC motor	4	500	2000
4.	Ultrasonic Sensor	2	300	600
5.	L293D motor driver	4	250	1000
6.	Servo motors (Brushless motor)	3	300	900
7.	Brushless motor connector	3	300	900
8.	Buzzer	1	200	200
9.	Inductive sensor	2	700	1400
10.	12v battery (5Ah)	3	1500	4500
11.	PIR Sensor	2	300	600
12.	Round Electrobot Robotic Tyre for DC Gear Motor (r = 4.5cm)	4	500	2000
13.	LCD	1	250	250
14.	Bread board	1	250	250
15.	Glue gun	1	550	550
16.	Miscellaneous (20%)	-	-	3,650
	<b>Material cost (in birr)</b>			<b>20,000</b>

**Table: Materials list and their cost** (revised for prototype only)