

### Bill of Materials – Autonomous Rover Project

S. No	Component Name	Quantity	Approx. Price (INR)	Total (INR)	Notes
1	BO Motors (150 RPM)	4	₹100	₹400	For rover movement
2	Motor Driver Module (L298N)	1	₹150	₹150	Drives the 4 motors
3	Ultrasonic Sensor (HC-SR04)	2	₹70	₹140	1 for obstacle, 1 for pothole detection
4	Arduino Uno	1	₹500	₹500	Main controller
5	Bluetooth Module (HC-05)	1	₹150	₹150	For destination input
6	Compass Module (HMC5883L)	1	₹250	₹250	For direction/orientation sensing
7	Battery (9V or Li-ion pack)	1	₹300	₹300	Power supply
8	Battery Holder + Switch	1 set	₹50	₹50	Power control
9	Jumper Wires + Connectors	1 pack	₹50	₹50	Wiring and connections
10	Chassis (Acrylic/Plastic)	1	₹200	₹200	Base frame for mounting components
11	Wheels (compatible with BO)	4	₹50	₹200	Movement
12	Screws, nuts, double tape	few	₹50	₹50	Mechanical assembly
<b>Total</b>				<b>₹2,440</b>	