

Hotel Food Delivery Robot - Components List with Price

Component	Qty	Approx. Price (Rs.)
Raspberry Pi 4 Model B (4GB)	1	Rs. 5,500 - 6,500
Micro SD Card (32GB/64GB)	1	Rs. 500 - 800
DC Motors with Encoders	2 - 4	Rs. 350 - 500 each
Motor Driver (L298N / TB6612FNG)	1	Rs. 250 - 400
Rechargeable 12V Li-ion Battery	1	Rs. 1,500 - 2,000
Battery Charger	1	Rs. 500 - 800
Ultrasonic Sensors (HC-SR04)	2 - 4	Rs. 80 - 100 each
IR Sensors	2 - 4	Rs. 50 - 80 each
Raspberry Pi Camera Module	1	Rs. 1,200 - 1,500
LIDAR Sensor (Optional - RPLIDAR A1)	1	Rs. 12,000 - 16,000
Robot Chassis	1	Rs. 1,500 - 2,500
Wheels & Mounting Accessories	2 - 4	Rs. 150 - 250 each
Caster Wheel	1	Rs. 100 - 200
Display Screen (Optional)	1	Rs. 500 - 1,500
Wi-Fi (Built-in on Pi)	-	Included
Speaker/Microphone (Optional)	1	Rs. 500 - 800
Wires, Connectors, Screws, etc.	-	Rs. 500 - 1,000
Protective Casing (Optional)	1	Rs. 500 - 1,000

Total Estimated Cost:

Basic Version (Without LIDAR): Rs. 12,000 to 18,000

Advanced Version (With LIDAR & AI Features): Rs. 25,000 to 35,000

