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| **Automated Weeding Robot - Device Cost** | | | | | | |
| **ITEM #** | **ITEM NAME** | **ITEM DESCRIPTION** | **UNIT PRICE** | **NO. UNIT** | **TOTAL PRICE** | **Website Link** |
| 1 | Arduino Mega WIFI | Microcontroller board for controlling robot movements and sensors. | ৳2120 | 1 | ৳2120 | https://store.roboticsbd.com/development-boards/2138-nodemcu-mega-wifi-r3-atmega2560-esp8266-32mb-memory-board-robotics-bangladesh.html |
| 2 | BTS Motor Driver 7960 | Dual H-Bridge module to control motors. | ৳625 | 3 | ৳1875 | https://store.roboticsbd.com/imugyrocompass/742-motor-driver-43a-bts7960-robotics-bangladesh.html |
| 3 | 25GA 12V 300RPM DC Gear Motor. | Motors for driving the robot. | ৳620 | 4 | ৳2480 | https://www.zeronetechbd.com/product/details/25ga-12v-300rpm-dc-gear-motormdg013 |
| 4 | 12V 2200mah Battery (Lithium-Ion) | Power source for the robot. | ৳2400 | 1 | ৳2400 | https://store.roboticsbd.com/battery/928-lipo-battery-1200mah-111v-3s-robotics-bangladesh.html |
| 5 | Ultrasonic Sensor (HC-SR04) | Sensor for obstacle detection. | ৳99 | 4 | ৳396 | https://store.roboticsbd.com/sensors/22-ultrasonic-sonar-sensor-hc-sr04-robotics-bangladesh.html |
| 6 | GPS Module (NEO-6M) | Used for navigation and mapping fields. | ৳608 | 1 | ৳608 | https://www.bdtronics.com/ublox-neo-6m-gps-module.html?srsltid=AfmBOoozpmyd97VXrJSS4iHJuT9iy3w8Em7WpEBpb0rDuLHu4VKL-aQQ |
| 7 | DC12V High Speed High Torque 775 Motor 21000RPM) | Controls blade movement for weeding. | ৳680 | 1 | ৳680 | https://www.zeronetechbd.com/product/details/dc12v-high-speed-high-torque-775-motor-21000rpmmdc007 |
| 8 | Metal Blades | Cutting mechanism for weed removal. | ৳500 | 1 | ৳500 | Local Hardware Store |
| 9 | Chassis Frame | Structure to hold all components. | ৳800 | 1 | ৳800 | Workshop |
| 10 | Wheels & Bearings | Wheels for mobility. | ৳360 | 4P | ৳1440 | https://store.roboticsbd.com/robot-platform-chassis-Bangladesh/749-85mm-antiskid-shockproof-wheels-smart-car-robot-tires-robotics-bangladesh.html |
| 11 | Wheel cupler | To connect the wheels with the motors. | ৳210 | 4P | ৳840 | https://radiogearbd.com/product/6mm-hex-coupler-coupling-for-37gb-motor-30-mm-length/ |
| 12 | B3 pro lipo balance charger | For charging battery. | ৳445 | 1 | ৳445 | https://store.roboticsbd.com/battery/212-build-power-b3-lipo-battery-charger-robotics-bangladesh.html |
| 13 | Wiring & Connectors | Electrical connections. | ৳500 | 1 | ৳500 | N/A |
| **Total:** | | | | | **৳15084** |  |