**BILL OF MATERIALS PREPARATION**

| **S.No** | **Device / Instrument** | **Make** | **Model** | **Qty** | **Est. Unit Price** | **Total Price** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Microcontroller Board | Raspberry Pi | Pico W | 1 | Rs. 500.00 | Rs. 500.00 |
| 2 | PIR Motion Sensor | HC Robotics | HC-SR501 | 1 | Rs. 120.00 | Rs. 120.00 |
| 3 | IR Sensor Module | Keyes | KY-032 | 1 | Rs. 70.00 | Rs. 70.00 |
| 4 | OLED Display (0.96", I2C) | DIYmall / Adafruit | SSD1306 | 1 | Rs. 250.00 | Rs. 250.00 |
| 5 | Color Sensor Module | TCS / Adafruit | TCS3200 | 1 | Rs. 300.00 | Rs. 300.00 |
| 6 | Breadboard with Jumper Wires | Generic | MB-102 | 1 | Rs. 150.00 | Rs. 150.00 |
| 7 | Power Adapter (5V 2A) | Generic / CHOETECH | USB 5V 2A | 1 | Rs. 250.00 | Rs. 250.00 |
| 8 | Logic Level Converter Module | SparkFun / Generic | TXS0108E | 1 | Rs. 80.00 | Rs. 80.00 |
| 9 | Buzzer (5V) | Generic | DC 5V Active Buzzer | 1 | Rs. 20.00 | Rs. 20.00 |
| 10 | LED (with Resistor) | Generic | 5mm Red LED + 220Ω Resistor | 1 | Rs. 10.00 | Rs. 10.00 |
|  | **Total** |  |  |  | Rs. 1750 | Rs. 1750 |