

## BUDGET ESTIMATE

Sl. NO.	COMPONENT	SPECIFICATION	QUANTITY	PRICE (₹)
1.	Voltage Regulator IC	LM7805	1	9
2.	IR LED	5mm	1	6
3.	Photo Diode	3mm	1	6
4.	Voltage Comparator IC	LM358	1	9
5.	LED	RED 5mm Diffused	1	1.5
6.	IC Base	8 Pin DIP	1	2
7.	Transistor	2N2222A	1	3
8.	Relay	5V 10A SPDT	1	22
9.	Battery	9V	2	20
10.	Connector	9V Bt	2	3.5
11.	Diode	IN4007	1	1
12.	Resistor	68,100,1k,10k ohms	1,1,2,1	5
13.	Potentiometer	10k	1	12
14.	Heat Sink	TO220	1	7
15.	Perf Board	3 X 2 in	1	18
<b>TOTAL</b>				<b>₹125</b>

The cost of the components comes around ₹125, which does not include the Case of the actual product. Assuming that the cost of Case, Soldering Lead, Wires as ₹25 to ₹35. We can conclude that the total cost of the Finished Product comes around **₹150 to ₹160**.

If we are using the device with the direct 5V supply from an old charger / adapter, we can reduce the cost by avoiding components such as Voltage Regulator IC – LM7805 - ₹9, Battery – 9V - ₹20, Battery Connector – 9V Bt - ₹3.5, Heat Sink – TO220 - ₹7. In total we are saving ₹39.5 by powering the circuit directly. So, the cost of the product will be reduced to **₹110 to ₹120** (Assuming that the device is powered with an old charger / adapter).