Bill of Materials

Component	Quantity	Manufacturer	Store
ESP32-WROOM-32D	1	Espressif Systems	Mouser
Diode 1N4002	1	Diotec Semiconductor	Mouser
IRL520NPBF MOSFET	1	Infineon Technologies	Mouser
LD1117V33C 3.3V regulator	1	STMicroelectronics	Mouser
Keypad	1	Adafruit	Mouser
12V Solenoid Lock	1	Adafruit	Mouser
5V Buzzer	1	CUI Devices	Mouser
2-pin Terminal Block	1		Tronic.lk
5mm LEDs	4		Tronic.lk
Small push buttons	2		Tronic.lk
Large tactile push buttons	3		Tronic.lk
10uF	1	Samwha Capacitor	LCSC
0.1uF	2	Samwha Capacitor	LCSC
22uF	1	Samwha Capacitor	LCSC
1uF	1	Samwha Capacitor	LCSC
0.33uF	1	Samwha Capacitor	LCSC
330ohm resistor	1	Resistor.Today	LCSC
100k ohm resistor	1	Resistor.Today	LCSC
220 ohm resistor	1	Resistor.Today	LCSC
47ohm resistor	1	Resistor.Today	LCSC
10k ohm resistor	3	Resistor.Today	LCSC
Male header pins	20		Tronic.lk
2-pin JST connector	4		Tronic.lk
8-pin JST connector	1		Tronic.lk
Power toggle switch	1		Tronic.lk
18650 3.7V Rechargeable Battery	3		Tronic.lk

Rough cost of prototyping

Item	Cost (Rs.)
Electronic components	10000
PCB	3000
3D printed enclosure	12000
Bought enclosure	3500
Total	**28500**