

Items & prices (INR):

1. Solar 12 V 20 W — **1,200**
2. Wind 10 W DC motor — **200**
3. Solar charge controller — **500**
4. Wind charge controller — **500**
5. 3 × DC voltage/current sensors — **600**
6. 2 × AC voltage/current sensors — **(estimate) 1,000** (*₹500 each assumed*)
7. Battery — **2,500** (*your value*)
8. Inverter — **1,000**
9. Microcontroller (ESP32/Arduino) — **500**
10. Relays (estimate) — **800** (*4 relay modules @ ₹200 each assumed*)
11. Extra fuses, wires, connectors — **500** (*estimate*)

Now add them step-by-step (digit-by-digit arithmetic):

- Step 1: $1,200 + 200 = \mathbf{1,400}$
- Step 2: $1,400 + 500 = \mathbf{1,900}$
- Step 3: $1,900 + 500 = \mathbf{2,400}$
- Step 4: $2,400 + 600 = \mathbf{3,000}$
- Step 5: $3,000 + 1,000 = \mathbf{4,000}$
- Step 6: $4,000 + 2,500 = \mathbf{6,500}$
- Step 7: $6,500 + 1,000 = \mathbf{7,500}$
- Step 8: $7,500 + 500 = \mathbf{8,000}$
- Step 9: $8,000 + 800 = \mathbf{8,800}$
- Step 10: $8,800 + 500 = \mathbf{9,300}$

Subtotal = ₹9,300

Add contingency (recommended) — **10%** of subtotal:

- 10% of 9,300 = 930
- Total = $9,300 + 930 = \mathbf{₹10,230}$

Result (A) — Minimum budget estimate using your numbers: **~₹10,200**.