

```

1: #include <iostream>
2: using namespace std;
3:
4: class ElectricityBill {
5: public:
6:     int unitsConsumed; // Number of units consumed
7:     double totalCost; // Total bill cost in rupees
8:
9:     // Function to convert paise to rupees
10:    double convertPaiseToRupees(int paise) {
11:        return paise / 100.0;
12:    }
13:
14:    // Function to calculate the electricity bill
15:    void calculateBill() {
16:        int unitsAbove300 = unitsConsumed - 300; // Extra units beyond 300
17:
18:        if (unitsConsumed <= 300) {
19:            totalCost = unitsConsumed * 0.60; // 60 paise per unit for up to 300 units
20:        } else {
21:            totalCost = 300 * 0.60 + unitsAbove300 * 0.60; // Same rate beyond 300 units
22:        }
23:
24:        // Apply surcharge if total cost exceeds ₹250
25:        if (totalCost > 250) {
26:            totalCost = totalCost + (totalCost - 250) * 0.15; // 15% surcharge on amount above ₹250
27:        }
28:    }
29:
30:    // Function to display the bill in rupees and paise
31:    void displayBill() {
32:        int totalPaise = totalCost * 100; // Convert total cost to paise
33:        int rupees = totalPaise / 100; // Extract rupees
34:        int paise = totalPaise % 100; // Extract paise
35:
36:        cout << "Total Electricity Bill: " << rupees << " rupees " << paise << " paise" << endl;
37:    }
38: };
39:
40: int main() {
41:     int units;
42:     cout << "Enter electricity units consumed: ";
43:     cin >> units;
44:
45:     // Creating an object of ElectricityBill class
46:     ElectricityBill bill;
47:     bill.unitsConsumed = units;
48:
49:     // Calculate and display the bill
50:     bill.calculateBill();
51:     bill.displayBill();
52:
53:     return 0;
54: }
55:

```