

Homeowner's Solar Investment Planner

A Practical Guide to Evaluating the True Cost of Rooftop Solar Before You Invest

1. Initial Investment

- ☐ Solar Panels _____
 - ☐ Solar Inverter _____
 - ☐ Battery Storage (if required) _____
 - ☐ Mounting Structure _____
 - ☐ Balance of System (BOS) Components
 - DCDB _____
 - ACDB _____
 - Earthing _____
 - Lightning Protection (if applicable) _____
 - Surge Protection Device (SPD) _____
 - Cables _____
 - Conduits _____
 - MC4 Connectors _____
 - Junction Boxes _____
 - ☐ Installation & Labour _____
 - ☐ Transportation & Logistics _____
 - ☐ Net-Metering Charges _____
 - ☐ Administrative / Inspection / Approval Charges _____
 - ☐ Taxes (if applicable) _____
 - ☐ **Gross System Cost (Before Subsidy)** _____
 - ☐ **Government Subsidy (if applicable)** _____
 - ☐ **Net Cost After Subsidy** _____
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2. Lifetime Ownership Cost

- ☐ Annual Cleaning Cost _____
 - ☐ Annual Inspection & Servicing _____
 - ☐ Inverter Replacement Cost _____
 - ☐ Battery Replacement Cost (if applicable) _____
 - ☐ Mounting Structure Inspection / Repair / Repainting _____
 - ☐ Replacement of Cables, Junction Boxes, Connectors & Other BOS Components (if required) _____
 - ☐ Other Maintenance / Repair Cost _____
 - ☐ **Estimated Total Lifetime Ownership Cost** _____
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3. System Performance

- ☐ Solar System Size (kW) _____
 - ☐ Expected Annual Energy Generation (kWh) _____
 - ☐ Expected Lifetime Energy Generation (kWh) _____
 - ☐ Average Electricity Tariff (₹/kWh or \$/kWh) _____
 - ☐ Expected Lifetime Value of Electricity Generated _____
 - ☐ Estimated Annual Savings _____
 - ☐ Estimated Payback Period _____
 - ☐ Estimated Return on Investment (ROI) _____
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4. Installer Evaluation Checklist

- ☐ Compared quotations from at least three installers
- ☐ Verified installer experience
- ☐ Checked customer reviews and references
- ☐ Understood warranty terms
- ☐ Verified after-sales service availability

- ☐ Confirmed quality of solar panels and inverter
 - ☐ Confirmed mounting structure material
 - ☐ Verified expected annual energy generation
 - ☐ Confirmed installation timeline
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5. Decision Checklist

- ☐ Roof suitability verified
 - ☐ Correct solar system size selected
 - ☐ Future electricity demand considered
 - ☐ Lifecycle cost estimated
 - ☐ Maintenance cost considered
 - ☐ Equipment replacement cost considered
 - ☐ Government subsidy verified
 - ☐ Net-metering policy understood
 - ☐ Export compensation policy understood
 - ☐ Solar is financially worthwhile for my home
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6. My Final Investment Summary

Parameter	My Estimate
Gross System Cost	_____
Government Subsidy	_____
Net Investment	_____
Expected Annual Generation	_____
Expected Lifetime Generation	_____
Estimated Lifetime Electricity Value	_____
Estimated Lifetime Ownership Cost	_____

Expected Annual Savings	_____
Estimated Payback Period	_____
Estimated ROI	_____

Final Decision

- ☐ Yes, I am ready to invest.
- ☐ I need more quotations.
- ☐ I need a detailed financial analysis before investing.

Key Reminder

The cheapest quotation is not always the best investment. Consider the total lifecycle cost, expected electricity generation, maintenance, equipment replacement, warranties, and long-term financial return before making your final decision.