



Possible solutions

Self-reliant buildings:

Meeting energy needs through installation of small plants at roof top or in building compound.

Technology enablers:

The future is to develop smart buildings that optimize use of multiple energy sources



Green Buildings

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Possible solutions

Micro-grid/Mini-grid models :

Reliable and sustainable solutions to electrify urban communities, colonies .

Procurement of renewable energy:

Opt to procure clean and affordable from renewable power producers



Communities for Green Living

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Why Solar?

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Distributed Generation:

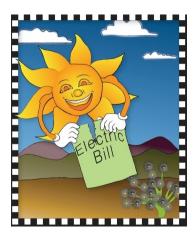
Can be installed anywhere and of any size

Favourable Policy incentives:

80% depreciation on installed assets and Capital subsidy up-to 30% of Project cost

Visibility on Future Energy Prices:

- No fossil fuel price uncertainties
- · No abrupt price changes by SEBs
- · Price locked up for long term



Cost of energy at a sustainable low (Over 30% drop in price in last two years)

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Solar roof top: a business case

Best for:

Commercial establishment like a mall, warehouse, industrial shed, educational institutes, hospitals or even a large residential roof top

Estimate of Capacity per unit area:

- •1 KW requires 10 square meter of shadow free area
- •Typical installed capacities range from100 KW to 1000 KW



Affordable and clean energy alternate for any building

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Solar roof top: a business case continued.....

Expected Generation:

Typically a 1000 KW solar project generates about 1.5 million units of electricity in a year.

Low operating and maintenance cost:

Requires minimal maintenance and has no operating cost.

Pay Back:

Project can have the payback from 3 years to 6 years depending upon the incentives. After this period, solar energy is *virtually free!*



Go Green!

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