

Market Potential For Solar Photo Voltaic Cells In India Part 2- Cost Comparison

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Abstract

There is a wide gap between supply and demand for power in India inspired by the many power projects completed after independence. This gap is likely to increase over the years and cannot be bridged if efforts are focused only on conventional systems namely, thermal, hydel and nuclear. SPV cells could be looked upon as an alternate source of energy to reduce this gap. The paper looks at the advantages of using SPV cells as an alternate energy source in India. The paper is in two parts. Part-1 presents the demand estimates in the chosen market segments. Part 2 presents the comparison of Costs of Electricity using SPV cells and that by Grid Supply.

Keywords: Alternate Energy Source , Solar Photo Voltaic Cells, Amorphous Silicon Cells.