

Harnessing Solar Energy in Hospital

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Chennai

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- Technical Innovation
- Roof Top Solar Plant
- Solar Power for HT Consumers
- SN Solar Initiatives
- Benefits of Solar Power

Technical Innovation

- Innovation Embraced by SN
 - Tele-Ophthalmology
 - Mobile Spectacle Dispensing Unit
 - Mobile Surgical Unit
- Innovation to be Tapped / Emerging Trends
 - Present Shortage in Electricity Generation – a “real” Challenge
 - Power Generation from Solar Energy
 - Solar Radiation – Natures Gift to Human Kind
 - Generation of Electricity without Feed Stock
 - Saves Cost
 - Prevent Environment Pollution
 - Abundantly available in India
 - Tapping the Resources available without any dependence on conventional Fuels

Tele-Ophthalmology



Mobile Spectacle Dispensing Unit



Mobile Surgical Unit



Dreams shape tomorrow's world.

Energy Powers today's dreams.

Fossil Fuels are accelerating climate change.

Climate change is impacting the world's flora and fauna.

The answer to the world's energy demand is on the horizon.

Our good old sun.

With infinite energy inside.

Waiting to be tapped forever.

SANKARA
NETRALAYA



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Roof Top Solar Plant

- SN Experience
 - 122 kW Power Capacity
 - 4 Locations in Chennai
 - Savings of Rs. 5000 per day in EB Bills

Roof Top Panel at St. Thomas Mount Hospital



Roof Top Panel at St. Thomas Mount Hospital



Solar Power for HT Consumers

- Land 5 Acres / MW
- Power Generation 15 Lakh Units / MW
- Power Evacuation Through TNEB grids
- Panels & Invertors 25 years life
- No addition and alterations in EB Rooms
- Cost of Project
 - Rs. 7.5 Crores / MW
 - Different Models Possible
 - Equity participation
 - EPC
 - Third Party Purchase
 - With “no” investments Re 1 per unit is saved for next 20 years

SN Solar Initiatives

- Easur 132 Acres of Land
- Just 60 KM from Chennai
- 28 to 30 MW Solar Power Generation
- Plant coming up near Power Guzzling Units of Chennai, where availability is scare
- Potential Savings
 - A case study

Benefits of Solar Power

- Reduce Energy Cost
- Energy Independence
- Enhanced Environmental Awareness
- Energy Security

Thank You



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