

**RADIANT
SOLAR**



Green energy for life

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Accreditation by Ministry of New and Renewable Energy of Government of India (MNRE) as authorized Channel Partner for Off grid, decentralized solar applications and Grid Connected Rooftop Solar Power Plants

A CASE STUDY OF 30kW SOLAR INSTALLATION AT SRI PARIJATHA HOTELS (BNG) PVT.LTD, BANGALORE



- Approved Empanelment Agency under ANERT 10,000 Home Projects in Kerala
- Second largest installer for ANERT 10,000 Home Projects in Kerala
- Radiant Solar – A company consisting of 90% Engineers
- We know it, we understand it
- Radiant Solar allows you to be free from all procedural whirlpools after placing the order
- From installation to subsidy Radiant does it all



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Introduction

Parijatha Hotels located at Bangalore, Karnataka State, is a well known and renowned hotel. Parijatha Gateway began with a vision unlike any other. It is one of the first authentic Vegetarian Hotel in the city of Bangalore. The Hotel gives great emphasis on quality treatment by making available standard services round the clock with special emphasis on quality Customer Care, special attention to all the customers and offers an excellent ambience and surroundings.



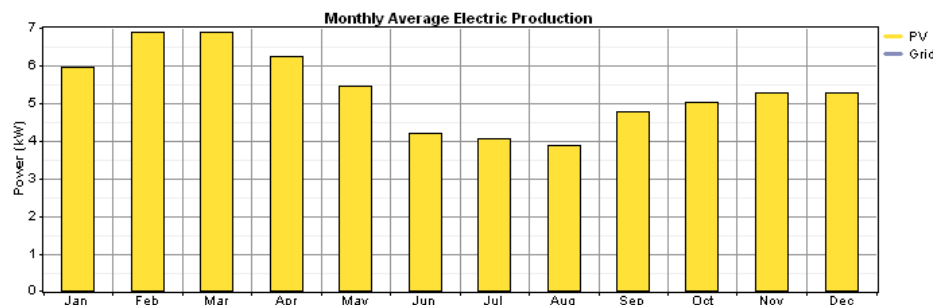
The Challenges

Being one of the largest and esteemed hotels, Parijatha Hotels needs provide uninterrupted services to its customers every time. To maintain its position in the market as a leading hotel and to add a feather in their cap, they wanted to go Solar with the largest solar producer **Radiant Solar**.

Radiant's Solution

Radiant Solar visited the hotel to collect information on current electricity charges, energy consumption pattern of the hotel. After thorough study and research we have proposed a 30kW On Grid Solar Power Plant using SMA make on grid inverters with 30.36kWp polycrystalline solar modules.

The average annual solar insolation at their location is 5.10kWh/m²/day and the installation at Parijatha designed to generate around 128 units of electricity per day and 46,561 units of electricity per year as per the average annual solar insolation.



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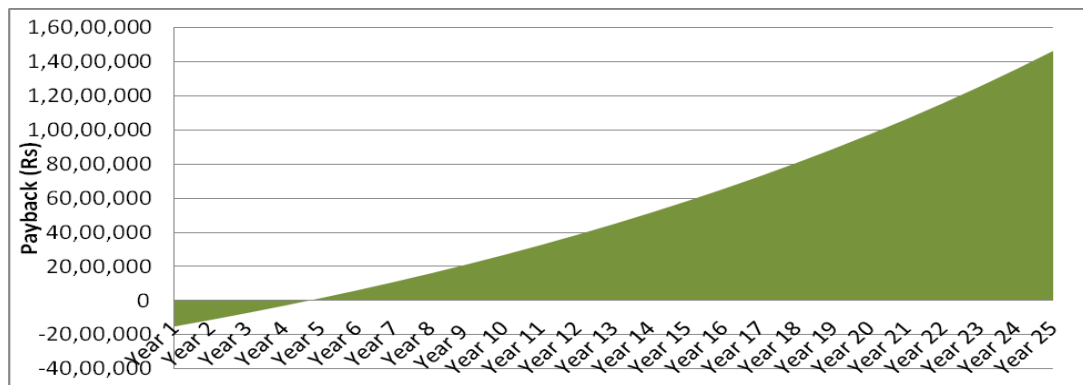
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During Site visit we found that there are space limitations to install 30.36kWp Solar Modules, however Radiant came up with a pioneering idea and guided them to make special structures to install the solar modules on the rooftop. These special structures enabled us to mount the modules enhancing the magnificence and excellence of installation.

Return On Investment

The Return on Investment for this power plant was one of the attractive and persuasive features. Based on an average of 128 Units of power generated per day for a 30kW system, and factoring in various other parameters the system has a rapid return on investment of 4 years.



Project Details

Technical Details

| | |
|--------------------------|---|
| Capacity of Power Plant | 30kW |
| Type | Grid Connected |
| Inverter | Imported SMA make 15kW On Grid Inverter – 2 numbers |
| Modules | 30.36 kWp Polycrystalline Modules |
| Annual Energy Generation | 46,561/annum |

Subsidy

- Under the Jawaharlal Nehru National Solar Mission (JNNSM), the Ministry of New and Renewable Energy (MNRE) Parijatha Hotel was eligible for Rs. 42/Wp.
- Radiant has done all the documentation and approached MNRE for subsidy

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Service & Maintenance

- Radiant Solar warranted the solar power system to be free from manufacturing defects for Five years from the date of commissioning as per MNRE guide lines.
- Any Service Call is handled within 24 hours

Our installation at Parijatha Hotels one of the best installations and the standard and quality adopted by us. This installation caught the attention of many and brought in the appreciation from ANERT and MNRE. The solar power system is installed under the guidelines of MNRE and it is working excellently.



Call us now for more information +91-8414-392602/603/604

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To know more about Radiant Solar, visit us at www.radiantsolar.us

Catch us live at: <http://www.youtube.com/watch?v=JW3K8JbdCII&feature=youtube>

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