

CASE STUDY 01



**RESIDENTIAL
HOUSE 4KW
ON-GRID SYSTEM**



PROJECT OVERVIEW

The vision of a great businessman must always include power independence and green initiatives. Having a trusted partner that inculcates habits of renewable energy and reduced carbon footprint is a mandate. When one such entrepreneur approached the SuPhoteam, they commissioned a 4kW rooftop system for the residence in Bengaluru.

The designers made a layout which accommodated top quality MNRE and BESCOM approved products from leading manufacturers. The team also handled the approvals from the power supplier to give the customer a hassle-free journey. Now solar meets 70% of the energy requirement.

THE BENEFITS



01

70% of the power needs are now sourced from solar rooftop system.

02

The elevated structure helps keep the utility area of the terrace for gardening activities.

03

The layout helps the customer access the roof for periodic cleaning of solar panels.

04

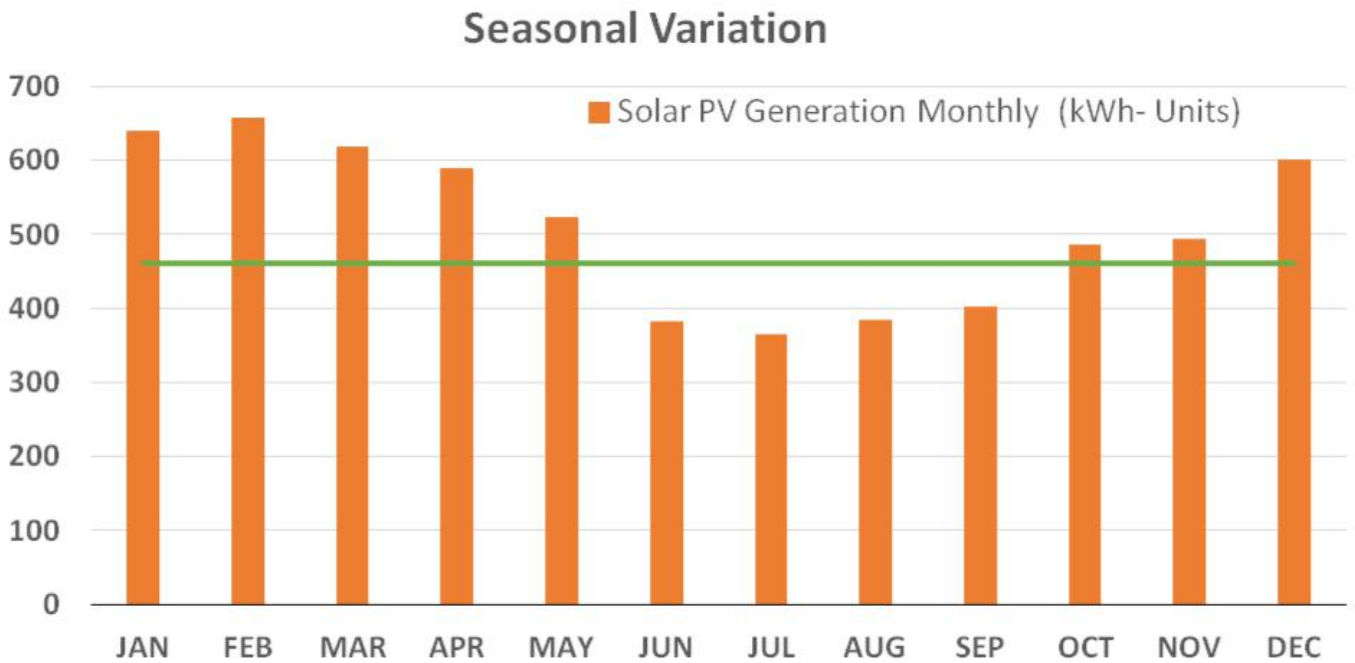
The green initiative helps in impressing customers and the neighbors are slowly taking up similar initiatives.



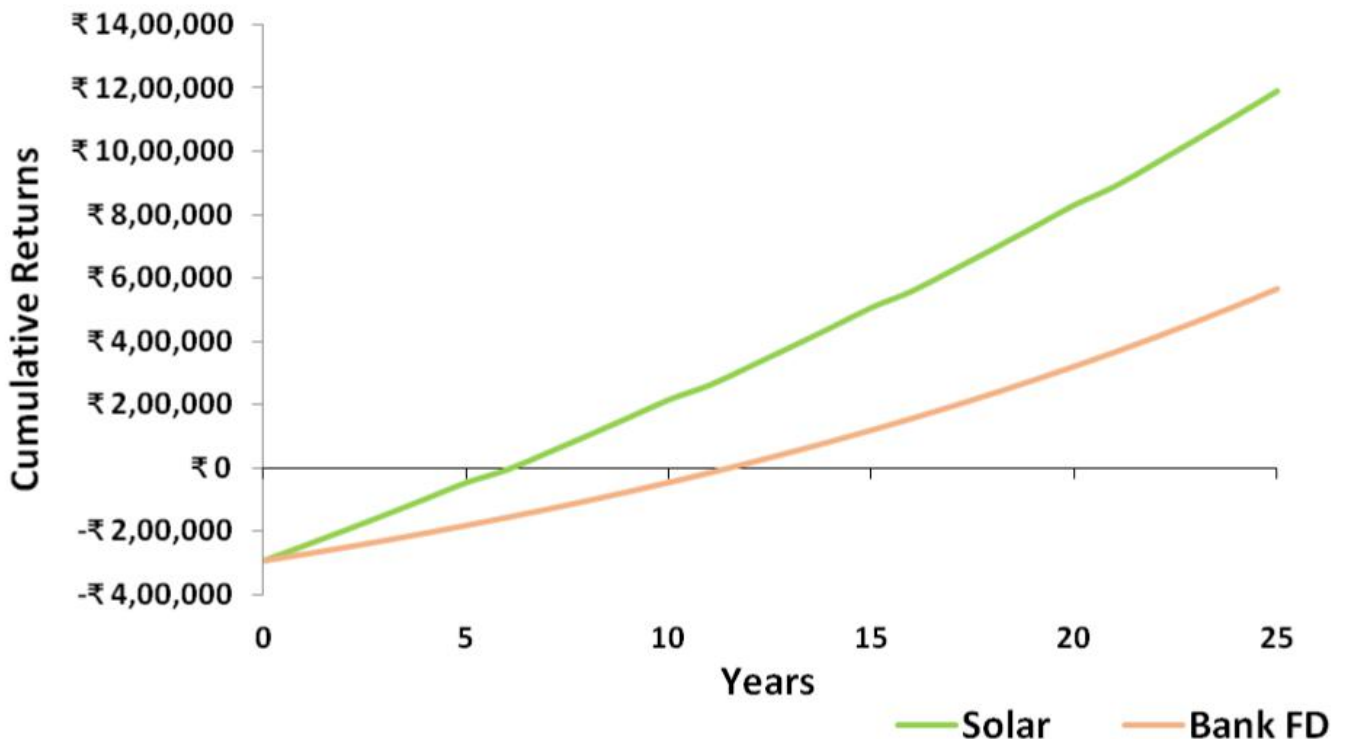
THE IMPACT

The system generates 6100 units of electricity annually. This will offset 110 tones of carbon over the next 25 years. Which is equivalent to 45 fully-grown trees in the campus.

Average Units Generated by 4kW Solar System, Bengaluru



Comparative Cash Flow Diagram for Solar and Bank FD



* With system degradation, parts change cost, inflation 4%, BESCOM tariff hike 3% , FD interest 7%