

30kW Rooftop Solar System  
At  
CMS Kerala Bhavan, Akurdi, Pune, Maharashtra



## 1 PROJECT BACKGROUND

Established in 2011, **CMS Kerala Bhavan in Nigdi Pradhikaran-Akurdi-Pimpri Chinchwad, Pune.** is one of the most sought after one banqueting facilities in the city. It was setup with a view to provide an elegant and superior banqueting space to cater to the varied requirements of their clients. Occupying a favourable location Near Akurdi Railway Station, Opposite Income Tax Office, this grand banqueting facility is at a strategically advantageous spot.

Observing ever growing electricity tariff/bill and increasing climate concerns, management decided to explore rooftop solar systems. However, the management was a little sceptical about the function of the system, but after a detailed presentation by Sologix Energy, management agreed to install a 30kW on-grid rooftop solar system to reduce the electricity bill and contributing to climate.

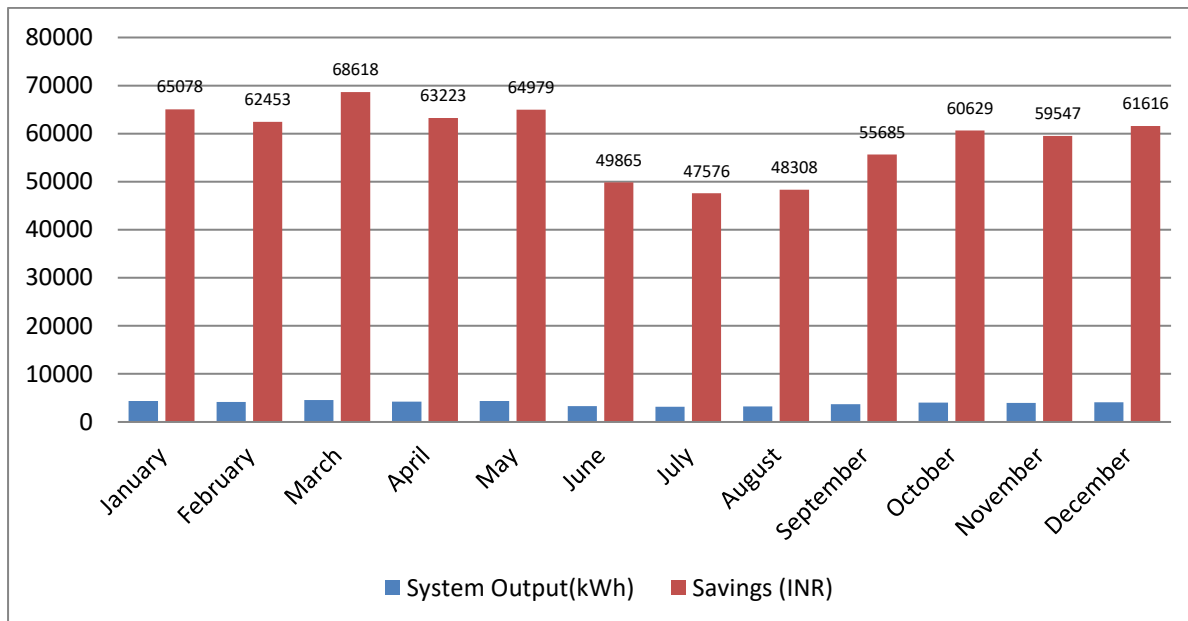
This project consists of 90 number Axitec make solar modules and one Solis make grid-connected inverters. The entire 30 kW system is connected to the MSEDCL grid under a net-metering arrangement. The project is to generating approx. 50,000 units of electricity per year. After installation of the system, we are able to reduce our electricity bill up to 90%. We are only paying demand charges now.

## 2 PROJECT SUMMARY

Solar System Capacity	30 kW
Roof Area Covered	300 Sq. m.
Project Cost (Complete EPC)	12,60,000 Rs.
Annual Solar Energy Generated	47,000 Units/Year
Saving to Industry	7,00,000 Rs. /Year
Payback Period	2 Years

## 3 GENERATION & SAVING

Month	System Output(kWh)	Savings (INR)	Emission Reduction (tCo2)
January	4339	65078	4
February	4164	62453	4
March	4575	68618	4
April	4215	63223	4
May	4332	64979	4
June	3324	49865	3
July	3172	47576	3
August	3221	48308	3
September	3712	55685	3
October	4042	60629	4
November	3970	59547	4
December	4108	61616	4
<b>Total</b>	<b>47172</b>	<b>707575</b>	<b>42</b>



#### 4 MANAGEMENT SPEAK

Sologix Energy has done excellent work. They have completed the project on time and provided outstanding Operation & Maintenance service, and we are getting excellent output. The plant is performing well, and we are thrilled with our solar system.

Our plant is generating approximately 4,000 units of green energy per month and we are saving approximately 50,000 Rs. /Month. Apart from saving on electricity bills, we are contributing to the environment and our society becoming aware of renewable energy and climate change.

In my opinion, every building should go for solar installation. This saves money and creates awareness among our society about climate change, global warming, and how solar PV system can help mitigate extreme climatic disasters.