



## RIVIERA CO-OP HSG. LTD.

### **CUSTOMER BACKGROUND**

Riviera Co-op Housing Society Ltd. approached Greenlance Energy to install solar panels at their premises. This captive rooftop solar plant project was for their residential complex in Casa Bella, Palava, Kalyan Shil Road, Kalyan.

### **PROJECT SCOPE**

The residential complex has a large common area which needs to be well lit at all times. Also, the complex was incurring high spends on elevators, water pump across their buildings.

Riviera Co-op Housing Society decided to solve the problem at hand by installing solar panels. This choice was also a sustainable one and aimed at reducing the carbon footprint. The society adopted an innovative BOOT Model (Build Own Operate Transfer) with Greenlance Energy, a specialized energy asset management player, in the last week of January 2022, thereby choosing to channelize the energy savings to achieve a clear path to ownership of the Rooftop Solar Plant without incurring upfront capital expenditure.

## SOLUTION PROPOSAL

- Proposal: Captive Rooftop Solar Plant spread across terrace wings
- Location: Idle building terrace space
- Executed Project Specification Size: 100 KW DC / 80 KW AC
- Nameplate: One Solar Inverter of 80 KW installed
- Meter Installation: Netmetering (Bi-directional Meter Installation) done for main meter as per MSEDCL specifications
- Material source: The material for the project was sourced from the industry lead – Tata Power Solar. They have been the best in the rooftop solar division for 8 years successively

## EXECUTION

- Greenlance Energy finished the project within the decided time frame of 4 months in January 2022
- The Solar rooftop plant will generate over 144 MWh of Green Electricity Units annually.
- The plant aims to annually achieve over 145 Tons of carbon footprint (CO2) reduction. This is a considerable positive contribution towards the environment.
- Greenlance Energy has also set up the state of art NOC (Network Operations Center) monitoring for optimum Energy Asset Management. This also includes Tata AIG comprehensive Fire and Perils, Cyclones, Earthquakes Insurance of the entire Solar Plant for the PPA Tenure.



## BENEFITS

- Average 400+ solar electricity units (KWh) generated daily at the complex.
- The solar panel installation has resulted in cutting per unit electricity spend costs by around 45 % for every solar electricity (kWh) generated.
- After the project was implemented, over 67 Tons of reduction in carbon footprint was already achieved.

The Riviera Society in Thane took a step in the right direction by roping in Greenlance Energy to cut down their electricity costs. They chose a sustainable method to be able to strike a balance between enjoying all the amenities and the electricity spends. Large residential complexes like Riviera CHS Palava sets an example and benchmark for the others. It is best advisable to incorporate solar energy systems at the earliest to save costs and doing their bit for the environment as well.

