



NERUL GYMKHANA TRUST

CUSTOMER BACKGROUND

Nerul Gymkhana, based in Navi Mumbai, is a reputed club committed to social, health, and sports activities run by the Nerul Gymkhana Trust. The gymkhana has over 3500 members. The club facilities comprise of a cricket arena, football arena, gym, swimming pool, amphitheatre, and a resto bar.

PROJECT SCOPE

The gymkhana is upgrading its facilities and a new building is likely to be commissioned shortly with the state of art amenities. The Nerul Gymkhana Trust is committed to making a difference to the society at large and in particular to the community it caters to, hence they began exploring shift to renewable energy options with an aim to reduce their carbon footprint. The Nerul Gymkhana Trust adopted the BOOT Model (Build Own Operate Transfer) with Greenlance Energy, a specialised energy asset management player to help reduce their electricity spend as also transition to renewable energy to reduce their carbon footprint.

SOLUTION PROPOSAL

- Proposal: 105 KWp Grid Connected Captive Rooftop Solar Plant installation
- Location: Gymkhana terrace
- Executed Project Specification Size: 105 KW DC / 80 KW AC
- One Solar Inverter of 80 KW capacity (AC) installed. Net metering (Bi-directional Meter Installation) done for main HT Line of the Gymkhana Meter with CT/PT, HT Cubicle replacement as per MSEDCL specifications.
- Material source: The entire material for the project was sourced from the industry leader – Tata Power Solar. They have been the leaders in the rooftop solar division for 8 years successively.

EXECUTION

- Greenlance Energy finished the project within the decided time frame of 4 months in December 2021
- The plant has generated 67 MWh of Solar Electricity Units since it was implemented.
- Post project implementation, over 67 Tons of carbon footprint (CO2) of reduction in carbon footprint was achieved
- The electricity cost for the institute has gone down by 60% for each solar electricity (kWh) produced
- State-of-art Network Operations Centre monitoring via Greenlance Energy NOC for optimum Energy Asset Management.



BENEFITS

- Used idle terrace space for a sustainable energy renewable project
- The plant is generating Average 400 solar electricity units (KWh) daily
- The solar plant has already managed to achieve carbon reduction to the tune of planting of more than 800 trees in the few months of operation so far.

The shift from using traditional electricity to a renewable source of electricity has been a rewarding move for Nerul Gymkhana Trust. Greenlance Energy played its role in the transition to renewable energy by Nerul Gymkhana by making the change happen. The Nerul Gymkhana Trust is exploring further options of enhancing sustainability in the near future.

