



POWER GENERATION
FOR GENERATIONS

Small space, highly efficient solar generation



EXECUTIVE SUMMARY

NHPC Limited (National Hydroelectric Power Corporation) is an Indian **Hydropower** generation company that was incorporated in the year 1975 with an authorised capital of Rs. 2000 million and with an objective to plan, promote and organise an integrated and efficient development of **hydroelectric** power in all aspects. Later on NHPC expanded its objects to include other sources of energy like Solar, Geothermal, Tidal, Wind etc.

QUICK FACTS

Site Location	Corporate Head office, Faridabad, NCR
System Capacity	150kwp
Installation Type	Grid interactive battery less rooftop solar PV system
Panel Type & Make	Novergry solar polycrystalline panels
Panel Capacity and Quantity	305wp / 492 Nos.
Inverter Type & Make	Novergry grid connect inverters
Inverter capacity and quantity	34kwp / 4 + 22kwp



A-Site Image



B-Site Image



C-Site Image

HIGHLIGHTS

SCOPE

Supply, install, test and commission (SITC) of 150KWP NET METERED GRID SYNCHRONIZED ROOFTOP ENERGY EFFICIENT SOLAR PV SYSTEM.

CHALLENGES

NHPC also wants to go for solar to achieve the objectives of Power and renewable energy ministry. Being into the energy business themselves, NHPC management wanted to take a visible sustainability initiative at their corporate office.

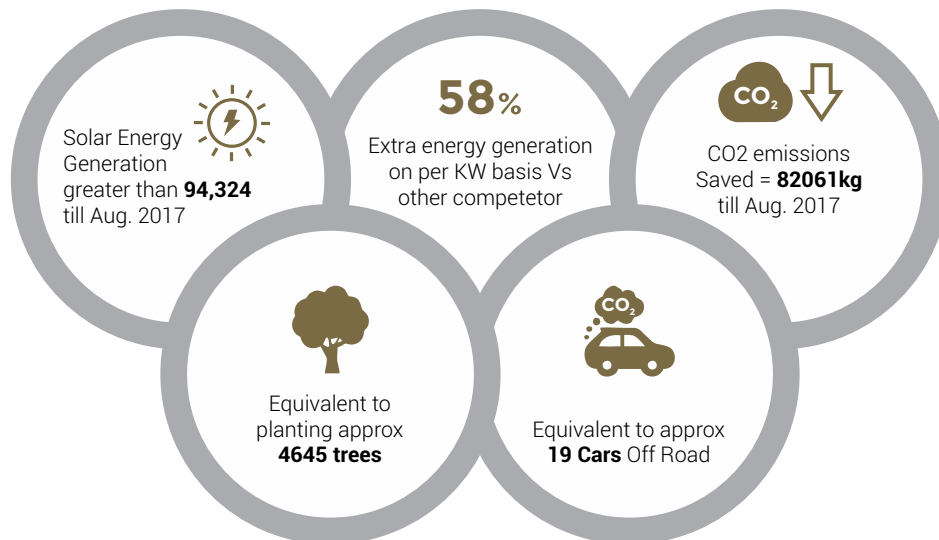
They had limited roof space with lot of hindrances and installing the solar panels on the roof for the desired capacity was a significant challenge.

NHPC had taken a solar system earlier from another vendor and they were very unhappy with the system as it was not delivering the desired energy generation. The solar modules were also showing very high degradation.

With this poor experience as a backdrop, NHPC wanted to be absolutely sure about the reliability and performance of the new solar system they were looking to deploy. They set fairly strict conditions for solar power plant performance and solar energy generation.

Novergy spent significant effort on design via construction of various 3D models and simulations to successfully plan for the desired capacity.

KEY HIGHLIGHTS



BENEFITS

1. The energy generation from Novergy system has proven to perform exceedingly well. On a per KW basis Novergy system is delivering upto 58% more energy.
2. Novergy met all the local regulatory compliance with necessary approvals from the state government nodal agency and local DISCOM.
3. NHPC was able to claim Tax savings due to accelerated depreciation.
4. Reduced Heat gain on roof and subsequent reduced power consumption for air conditioning.

ABOUT NOVERGY

Novergy has been offering a range of solar solutions across the globe since nearly 11 years. We have the best and most reliable solar technology in the industry with various International and National bodies certifying, accrediting or approving our products and company. This is also the reason that our systems deliver the best energy output for the same rating of solar capacity.

Being an integrated player that covers the total chain of design, engineering, manufacturing, supply, installation and commissioning delivers an excellent customer experience which is reflected in our project execution and performance track record.

Novergy offers a range of solar solutions that include power plants, rooftop and captive power systems, solar lighting solutions, pumping solutions, solar telecom systems, solar microgrid, solar genset hybrid systems, etc. Our team believes in carefully analyzing each project requirement and then providing the most appropriate solution in the interest of the customer.

A true test of reliability of the products and systems is seen in the fact that despite having solutions in very diverse and harsh field conditions, Novergy has a NIL replacement record for the solar modules.

We believe in thoroughly analyzing our client requirements and then providing the most appropriate and reliable solutions to our clients resulting in highest customer satisfaction.

Contact Us

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