



POWER GENERATION  
FOR GENERATIONS

# DELIVERING 25% MORE SOLAR GENERATION VIA GRID INTERACTIVE SOLAR ROOFTOP SOLUTION.



# EXECUTIVE SUMMARY

Ambuja Cement has been aggressively pursuing the agenda of promoting sustainable practices with their organization wide initiatives to build a green legacy. When we began interacting with them, rising operational expenses on account of power consumption was one of their big concerns.

Ambuja Cements Ltd, a part of the global conglomerate LafargeHolcim. Ambuja Cements Ltd is India's foremost cement company known for its hassle-free, home-building solutions. Unique products tailor-made for Indian climatic conditions, sustainable operations and initiatives that advance the company's philosophy of contributing to the larger good of the society, have made them the most trusted cement brand in India.

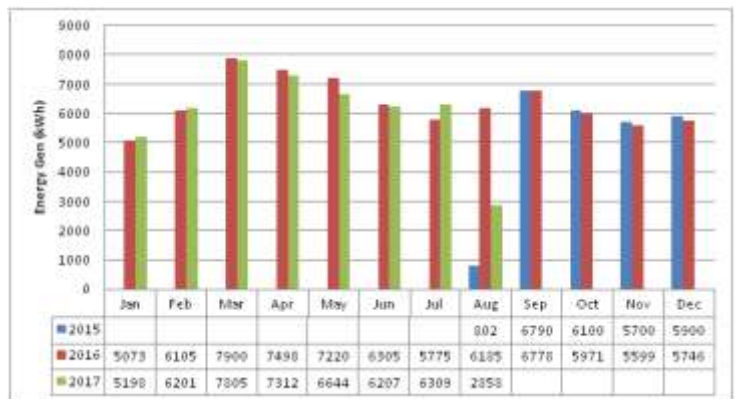
Novergy commissioned a Grid interactive, battery less solar rooftop solution at their Research And Development Center in Gurugram (Haryana).

## QUICK FACTS

<b>Site Location</b>	Ambuja Research And Development Center, 228, Udyog Vihar, Phase-I, Gurgaon-122016 (Haryana)
<b>System Capacity</b>	55.18 kwp
<b>Installation Type</b>	Grid interactive battery less rooftop solar PV system
<b>Panel Type &amp; Make</b>	Novergy solar polycrystalline panels
<b>Panel Capacity and Quantity</b>	310wp / 178 nos
<b>Inverter Type &amp; Make</b>	Novergy grid connect inverters
<b>Inverter capacity and quantity</b>	56kwp / 1 no.
<b>Total Energy Generation</b>	Greater than 1,45,000 Kwh till 21/7/17



\*Satellite Image



\*Energy Generation Graph



A-Site Image



B-Site Image



C-Site Image

# HIGHLIGHTS

## SCOPE

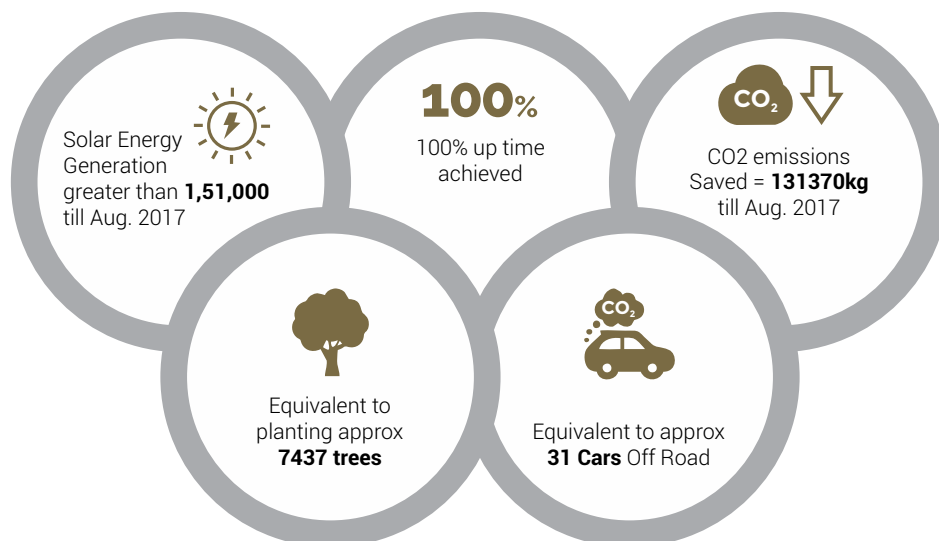
The project covered the entire gamut of activities –from concept design to commissioning. Novergy was responsible for Supply, installation, testing and commissioning (SITC) of 55.18 KWP NET METERED GRID SYNCHRONIZED ROOFTOP ENERGY EFFICIENT SOLAR PV SYSTEM.

## CHALLENGES

When we began interacting with Ambuja Cement, they were keen to implement a solar energy system that could enough generate energy for their internal consumption and wanted the excess generation to be exported to the grid during non use hours under net metering.

Novergy's brief was to fit 25% more solar generation capacity in comparison to what competitors were offering. They wanted the solution implemented to be compliant with Government norms.

## KEY HIGHLIGHTS



## BENEFITS

1. Conventional energy consumption reduced
2. Compliant with State Government initiatives
3. Operational cost savings
4. Eligible for Green Building certification
5. Tax savings due to accelerated depreciation
6. HAREDA compliance
7. Reduced Heat gain on roof and subsequent reduced power consumption for air conditioning
8. Better return on investment

# 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

[enquiry@novergy.net](mailto:enquiry@novergy.net) | [info@novergy.co.in](mailto:info@novergy.co.in)

Visit us at [novergy.co.in](http://novergy.co.in)