



POWER GENERATION  
FOR GENERATIONS

# Reducing dependence on conventional energy & keeping it hazard free.



# EXECUTIVE SUMMARY

Indian Oil is an Indian **petrochemical** company. It is the largest commercial enterprise in the country.

Indian Oil's business interests overlap the entire **hydrocarbon** value-chain, including **refining**, pipeline transportation, marketing of petroleum products, exploration and production of **crude oil**, **natural gas** and **petrochemicals**.

Indian Oil has ventured into **alternative energy** and globalization of downstream operations.

## QUICK FACTS

<b>Site Location</b>	Bengaluru
<b>System Capacity</b>	20kwp
<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>	PCA-250 / 80 Nos.
<b>Inverter Type &amp; Make</b>	Novergy grid connect inverters
<b>Inverter capacity and quantity</b>	22kwp / 1 No.



A-Site Image



B-Site Image



C-Site Image

# HIGHLIGHTS

## SCOPE

The project was to cover the entire gamut of activities - Concept Design to Commissioning. Novergy was responsible for supplying, installing, testing and commissioning(SITC) of 20KWP GRID CONNECTED ROOFTOP SOLAR PHOTOVOLTAIC SYSTEM.

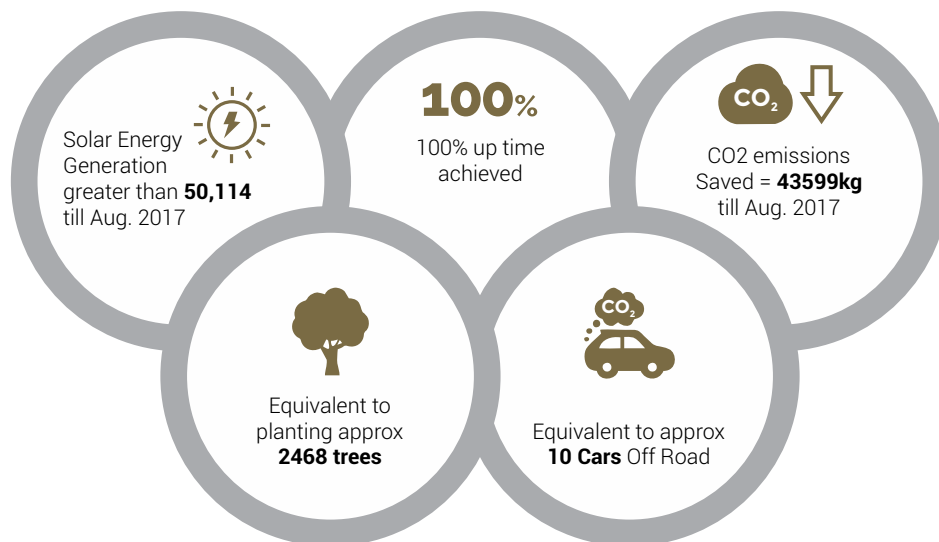
## CHALLENGES

IOCL's senior management takes sustainability and green energy as an important initiative to remain environmentally responsible.

One of the key challenges being an Oil major was to work towards eliminating hazardous situations and institutionalise safety standards. IOCL was keen on a Solar energy solution that would be electrically safe and would not be the cause for any accidents that could result in loss of human life or assets.

IOCL wanted to reduce their dependence on conventional energy, reduce their operational costs and take benefit of the accelerated depreciation policy.

## KEY HIGHLIGHTS



## BENEFITS

1. Novergy successfully delivered a solution with best safety features so as to avoid any kind of electrical hazard, risks, or chances of human mortality
2. Solution is compliant with MNRE and local DISCOM (BESCOM) norms. (Novergy inverters are approved by BESCOM for net metering)
3. Sustainable and green initiative for IOCL was achieved.
4. Novergy was able to deliver a better than expected energy generation and hence achieved the goals of IOCL in terms of energy savings and subsequently operating cost reduction.

# 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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