novergy

POWER GENERATION
FOR GENERATIONS

Rugged, Tamper free, uninterrupted Solar Solution at a Railway Station

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

Site Location	Raipur Railway station, South East Central Railway, CG
System Capacity	40kwp
Installation Type	Grid interactive battery less rooftop solar PV system
Panel Type & Make	Novergy solar polycrystalline panels
Panel Capacity and Quantity	250wp x 160 Nos.
Inverter Type & Make	Novergy grid connect inverters
Inverter capacity and quantity	22kwp x 2 Nos.

A-Site Image

B-Site Image

C-Site Image

HIGHLIGHTS

SCOPE

Was to supply, design, installation, testing and commissioning (SITC) of 40KWP SOLAR PHOTOVOLTAIC SYSTEM.

CHALLENGES

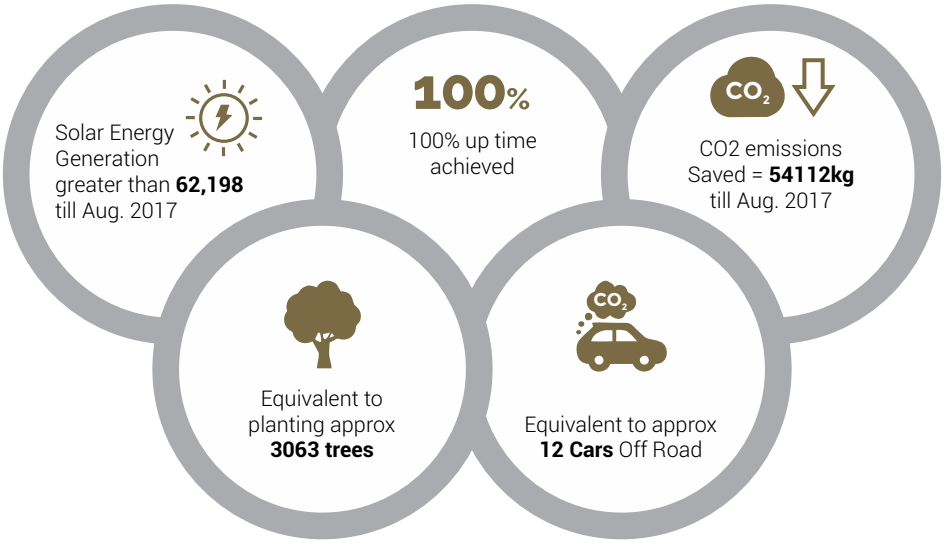
Being a railway station and an open public area this is a high footfall and traffic area.

It was very important that the solar system installed be very rugged and robust, so that it could not be damaged or tampered by general public. It was also essential that the solar system should under no circumstance cause any kind of damage to people. Hence all safety features and protections needed to be integrated.

Further since the railways are a continuous operations area, it was expected that the solar system implemented should not in any way affect their electrical distribution or operating equipment and loads.

Novergy was selected to assist in fulfilling these objectives set forward by SECR.

KEY HIGHLIGHTS



BENEFITS

1. Novergy took up the challenge and designed , supplied and installed a system meeting all the parameters in terms of ruggedness and robustness.
2. All necessary protection and safety features were incorporated in the solar system so as to avoid any damage or hazard as well as no disturbance to their critical equipments.
3. Special configuration was done to ensure there is no interference by the solar system to their electrical distribution and loads operating in the station.
4. Novergy has provided them with an online monitoring system to check the performance of their solar system on real time basis.

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.

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