



GREENLIT

Energy Systems





OUR CLIENTS



ABOUT US

Go Green!!

Greenlit Energy Systems is a full-fledged *Renewable Energy Services Company (RESCO)* providing Design, Engineering, Installation and O & M Services for Utility/ Mega Watt Scale and Rooftop Solar Systems.

In the year 2015 a young startup team, under Mr. D. Abhiram's leadership, Pavanasuta Renewable Energy Pvt Ltd, began working out to give wings to his idea of starting a clean energy company.

Over the past couple of years, the company has given technical consultation services to numerous clients and helped them install solar power projects and add value to the respective organizations.

The company has recently forayed into delivery of end to end power solutions to customers. Greenlit Energy Systems is an initiative, to the expansion of the same.

"GREENLIT ENERGY SYSTEMS

is committed to leading a change in the country's current energy portfolio by delivering cleaner and smarter energy choices and thereby reducing India's carbon foot print."



Our people are committed to deliver
ONLY THE BEST.

ROOF TOP SOLAR

Convert your existing roof top or open areas into your very own private solar power plant

- We help you procure all the government permissions and clearances
- We design, execute and commission your solar power plant
- We help you receive Govt subsidies (Upto 30% of Project cost)
- System will be fully compatible with all existing electrical infrastructure

1. Net Metering

- *Supply the local power grid with the units generated by your power plant*
- *Pay the current bill only for units consumed beyond what your plant generated*
- *If your plant generated more units than you consumed from the grid, the Govt PAYS YOU!!*
- *All equipment required to enable this will be included as a part of the Solar Power Plant*

2. Off Grid Solution

The power generated from the Solar power plant is consumed directly at your site

Any excess power generated will need to be stored in batteries

Use the batteries to power your home at night or when sun radiation is low

Intelligent technology enables seamless switching between Solar and Grid power



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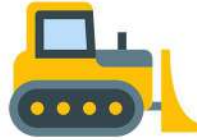
WORK FLOW

We offer end to end solar power plant EPC services with Project management, implementation from concept to commissioning including engineering, design, construction, procurement, operations and maintenance.



1. SITE ANALYSIS

Site identification and selection, radiation assessment and evacuation planning



2. BASIC ENGINEERING

Technology selection, Plans, SLD's, Standards and Codes



3. TECHNOLOGY SELECTION

Provide different technology options and assess the feasibility of the best technology with optimization



6. REGULATORY & LAW

Provide assistance in mitigating legal risks and availing all types of approvals and clearances



5. DETAILED PROJECT REPORT

Equipment selection, Specification, Balance of plant, Design and risk mitigation



4. PROJECT FEASIBILITY REPORT

Preliminary analysis of the project for its feasibility | Project site for the proposed technology



7. FINANCIAL ADVISORY SERVICES & BUDGETING

Estimation, Financial Modelling, Comparative analysis, Assistance in getting financial closure for the project.



8. DETAILED ENGINEERING DESIGN

Create and review of DC side, AC side, Electrical Structural (Civil) and SCADA Designs,.



9. PROCUREMENT SERVICE

Vendor selection, RF, Documentation, Negotiations, Contacting and tracking.



12. POST COMMISSIONING SERVICES

Create and review O&M Plans, Performance review of the project, Budget of O&M activities, O&M Schedule along with reporting schedule



11. INSPECTION & QUALITY ASSURANCE

Handling all the documents related to the project guarantee tests and other documents, if any.



10. PROJECT MANAGEMENT & MONITORING

Scheduling, Vendor Coordination, Safety and Quality Checks.

CASE STUDY

FOR COMMERCIAL PROJECTS

► Case Study for Commercial Projects

ITEM	UNIT	VALUE
System Size	kWp	140
System Cost	Rs. Lacs	79.8
Tax Benefit of Depreciation	Rs. Lacs	16.8
Net Cost to Client	Rs. Lacs	63
Avg. Solar Units Generated	Units/Year	229,950
Present Power Tariff	Rs./Unit	7.5
Avg. EB Tariff Increase	% p.a	-
Savings in Power Bill (Year 1)	Rs. Lacs	17.25
Pay Back Period	Years	3.7
System Life	Years	25
Total Units Generated Over Project Life	Units	5,748,750
Net Savings Over Project Life	Rs. Lacs	368.1
Project IRR%	%	27%

► Case Study for Residential Projects

ITEM	UNIT	VALUE
System Size	kWp	10
System Cost	Rs. Lacs	6.5
Government Subsidy	Rs. Lacs	2.0
Net Cost to Client	Rs. Lacs	4.6
Avg. Solar Units Generated	Units/Year	14,600
Present Power Tariff	Rs./Unit	8
Avg. EB Tariff Increase	% p.a	-
Savings in Power Bill (Year 1)	Rs. Lacs	1.17
Pay Back Period	Years	3.9
System Life	Years	25
Total Units Generated Over Project Life	Units	365,000
Net Savings Over Project Life	Rs. Lacs	24.7
Project IRR%	%	25%

FOR RESIDENTIAL PROJECTS

CONTACT US



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