

Perfect Solutions Backed by Three Decades of Experience



RITIKA



Agenda



About Us
Why Us

01



Infrastructure

02



Our Customers

03



What We Do

- Solar Panels
- Solar BOS
- Solar OEM
- Solar EPC
- RSPLMO

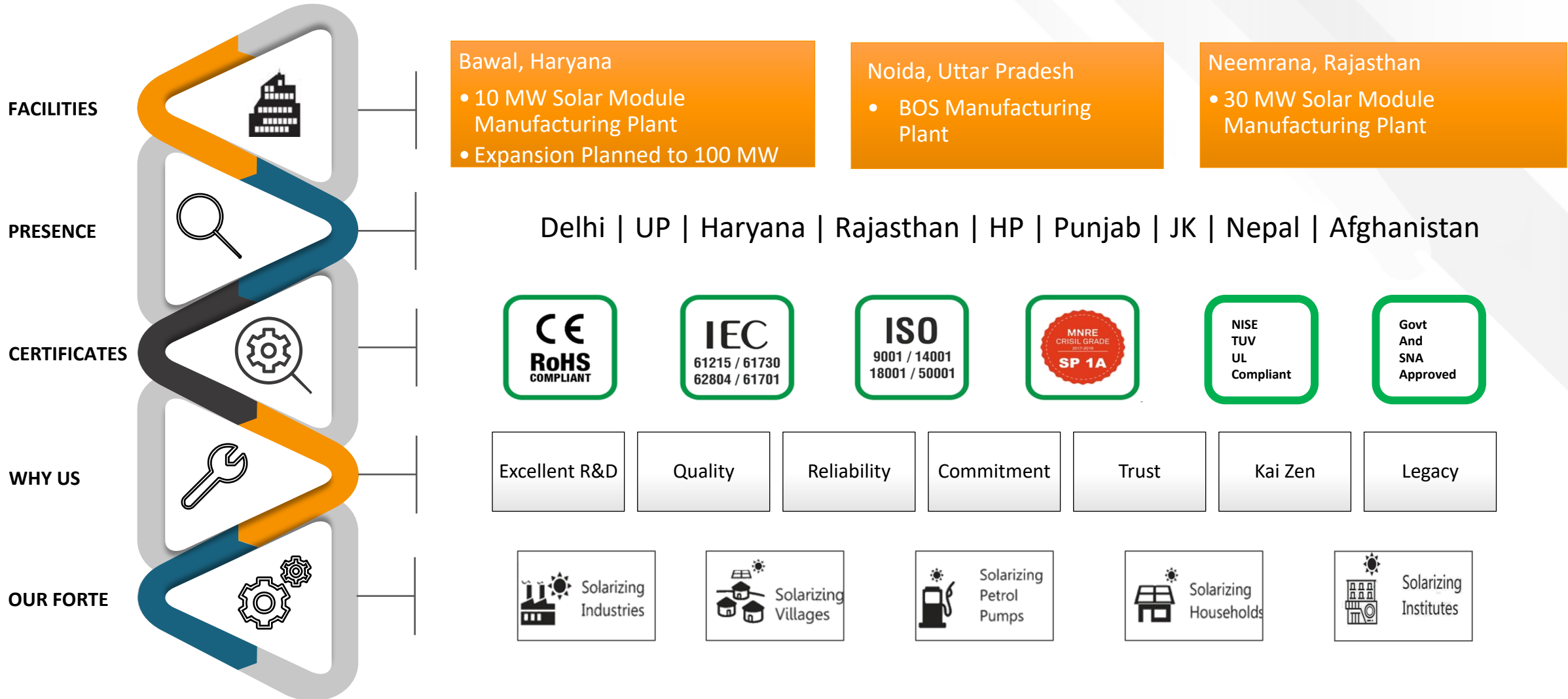
04



Our Projects

05

About Us



Why Us

Three Decades Experience

- One of India's Oldest Solar Companies with combined 70+ man years of experiences



Strong Financials and Track Record

- India's Oldest SP 1A rated solar organization from CRISIL and SMERA



World Class Design

- Duly Tested and Validated Structures and Plant Designs to maximize Performance and minimize Losses



Wide Presence

- Facilities spread over 5 states
- Multi State Project Capability



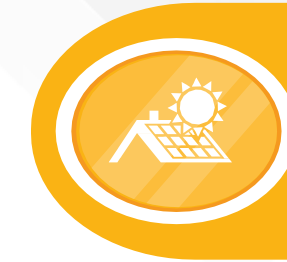
High Quality Components

- Control over 70% of Value Chain
- Own Panels ensured to highest Quality. Multiple Audited



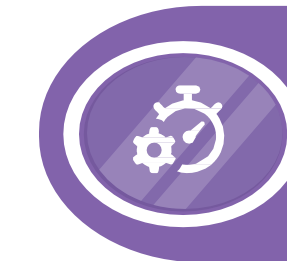
30MW+

Panels Supplied in various projects



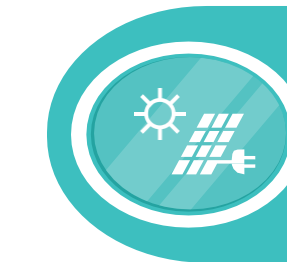
25MW+

Installations and Counting Fast



2MW+

On Going Projects Across States



50MW+

Proposal and Design Consultancy Given



Site Analysis



System Design



Project Schedule



Procurement



Installation & QC

Why Us



At RSPL we take challenges head on and try and improve our products continuously along with our service offerings and processes. CHANGE IS THE ONLY CONSTANT AT RSPL



Customized Solution



Excellent ROI



Negligible Maintenance



Rooftop Specialists with own Solar Panels



Guaranteed Savings



Infrastructure

At RSPL, we scour the globe in search of the most superior materials the industry has to offer. We offer consistently high power modules that will last a lifetime. Each material has been carefully tested to meet our best-in-class standards.

We are also a leading **OEM supplier** catering to many international brands across the globe and delivering unmatched quality at a competitive price With a State of the Art R&D and Development Centre in Noida,.

Inhouse design to product manufacturing backed by latest machinery and technology partners ensures our products to have high quality and reliability. All these efforts, backed by zero tolerance for any compromise on quality, help us maintain and deliver excellence in our products and manufacturing.



WORKS 1

30 MW AUTOMATED SOLAR PANEL PRODUCTION UNIT: NEEMRANA

We also have State of the Art Solar Panel Manufacturing Unit in Neemrana . Our modules are stringently tested for all product reliability factors across various parameters. Besides having a robust and automatic manufacturing line based on the latest Chinese technology, we follow best quality, environment and safety practices at our manufacturing process. BIS Testing in underway as well. Our modules have undergone all stringent quality tests at reputed third-party laboratories, along with being certified for PID resistance. Expansion planned for 100 MW.



WORKS 2

10 MW SEMI AUTOMATED SOLAR PANEL PRODUCTION UNIT: BAWAL

We also have State of the Art Solar Panel Manufacturing Unit in Bawal. Expansion planned for 50 MW.



WORKS 3

STATE OF THE ART R&D CENTRE: NOIDA

We also have State of the Art R&D centre and manufacturing hub out of Noida, Uttar Pradesh where the company designs, manufactures and validates BOS for Solar Systems which has always been our forte. Our BOS products are evaluated at Solar Energy Centre (Ministry of New and Renewable Energy, Govt. of India), ERTL etc and we have all necessary certifications for domestic and export supply



Our Customers



PSUs
Pan India
Presence, across
project lines



OEMS
Leading Power
Companies and
Conglomerates



INDUSTRIES
Helping Industries
get low cost
energy



NGOs
Powering Social
Revolution
through Solar



PLACES OF LEARNING
Powering Future
of Tomorrow



SNAs
Almost all States
across Off Grid
and On Grid
Projects



**BANKS,
HOSPITALS AND
RELIGIOUS
PLACES**



What We Do

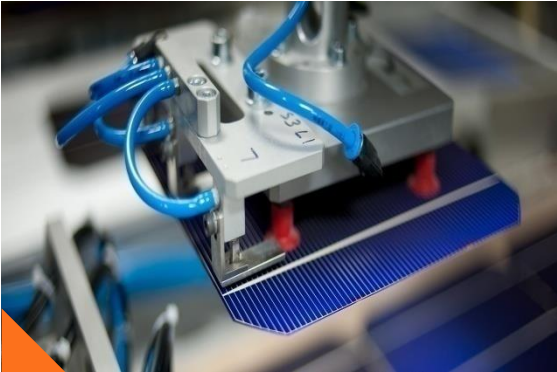
At RSPL, we cover the entire value chain for any Solar Solutions. Our Business Verticals are broadly divided into Four Main Verticals:

Solar Panels : A Wide Range of Solar Panels for various applications, from decentralized offgrid solutions to MW Solar Power Plants

Solar Products: Entire Solar BOS Products

Solar OEM Services: For all RSPL Solar Products

Solar EPC Services: Covering Project Management to Turnkey EPC from Design Services to O&M



Solar Panels

Backed by Tier A Raw Materials and Worlds Leading Technology Partners, RSPL Solar Panels are designed to last as life time. Offering Sturdy Design, High Efficiencies and Continuous Low Light Performance,.



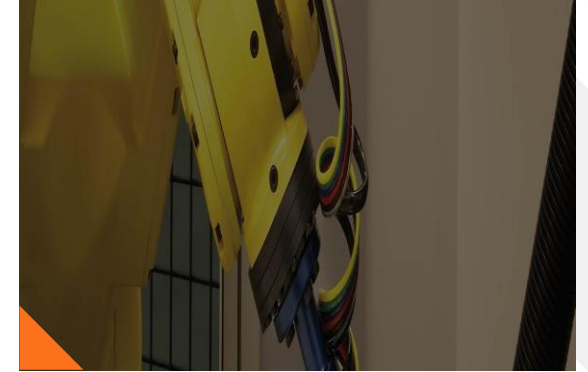
Solar BOS

State of The Art Economical BOS For a variety of applications primarily Off Grid. One of the largest BOS manufacturers in the country with three decade old experience and iterations.



Solar EPC Services

RSPL has made significant progress in the EPC segment with assured value-based services, timely completions of projects, active site design analysis and service monitoring.



OEM Services

RSPL offers state of the art and synchronized conveyor driven automated platform for the OEM manufacturing services if it is in bulk and on regular basis.

Solar Panels

Backed by **Tier A Raw Materials** and **Worlds Leading Technology Partners**, RSPL Solar Panels are designed to last as life time. **Offering Sturdy Design, High Efficiencies and Continuous Low Light Performance**, RSPL Solar Panels are designed to achieve **better light conversions**. With a complete range from 3 Wp to 350 Wp, RSPL Solar Panels are suited for a variety of solar applications like:

- Solar Lanterns
- Solar Home Lighting Systems
- Solar Street Lighting Systems
- Solar Rooftop : Residential and Industrial
- Utility Scale Projects
- Agriculture Solar Water Pumps

RSPL Panels come in the following ranges:

- Cut Cells 36 and 72 cells from wattages 3Wp to 145 Wp Suitable for Small Systems
- Full Cells 60 Cells from Wattages 230 Wp to 295 Wp Suitable for Rooftops and Pumps
- Full Cells 72 Cells from Wattages 300 Wp to 350 Wp Suitable for Utility Scale Project and EPC

Apart from these RSPL offers a wide variety of certified Solar Panels customizable in 48/54/72 Cut Cells and 144 Cut Cells for a myriad range of operations
RSPL Solar Panels are tested under the **CEBEC** scheme by **SGS Belgium** and our duly **IEC** certified.



PID
RESISTANT



LINEAR
DEGRADATION



OUTPUT
EL-TESTED



HIGH YIELD
& +VE TOLERANCE



MINIMAL
HOT - SPOT



CONTROLLED
GOODS FLOW



HIGHER WEAK
LIGHT PERFORMANCE



TIER 1
SUPPLIERS



Solar Panels

Tier A Solar Cell

- Compatible with multiple high-efficiency cell type-s Poly/Mono Crystalline, PERC etc
- High power efficiency A grade Anti PID Cells
- Stable performance under weak light conditions
- 100% EL Testing

Reliable Encapsulation Foil

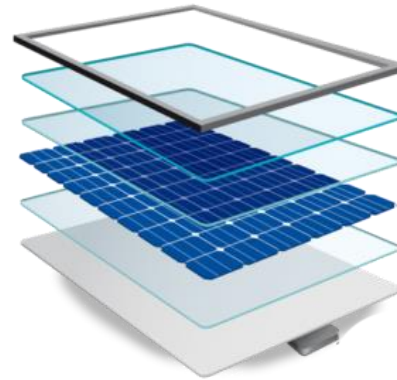
- Light transmittance more than 92%
- Snail trail prevention treatment
- UV resistance against ageing
- PID Resistant and Accelerated Life Tested

Durable Backsheet

- Low moisture permeability against snail trail
- Excellent electric insulation for high system voltage up to 1500V
- Outstanding weatherproof performance
- UV and weather resistant
- PET/PVDF

Extremely Durable and Efficient Glass

- Fully Tempered 2.8/3.2 MM Glass
- Anti-reflective coating to increase the module efficiency up to 2%
- Light transmittance improvement above 3%
- Self-cleaning function



Junctions Glued to Perfection

- IP 68/67 protection grade
- UL/TUV Certified
- 1000Vdc/1500Vdc available
- High quality diodes for electric safety
- Outfitted with (3) bypass diodes
- Negative effects of shading and hot-spots are mitigated.

Frame

- Strong mechanical load resistance up to 5400 Pa
- Anodic oxidation layer resistant to chemical corrosion
- Virtually indestructible frame

Solar BOS: Balance of System

RSPL Solar Lanterns have been reiterated in design for the past three decades. They are indisputably the most robust solar lanterns in the market with performance metrics of more than a decade in some cases.

03 Solar Street Lights

RSPL Solar SLS Systems have been reiterated in design for the past three decades. With over **200000+** SLS Installed Across the length and breadth of the country, **RSPL SSLs are truly versatile in design and deployment.**

02 Solar Home Lights

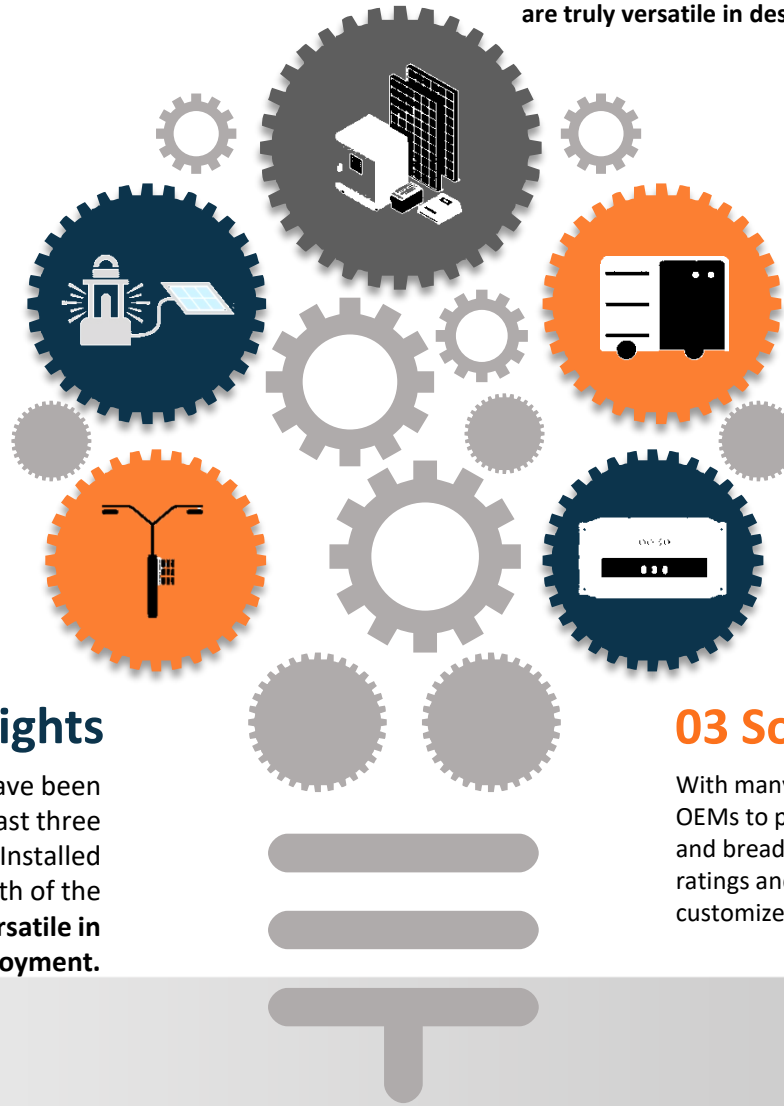
With over **50000+** HLS installed Across the length and breadth of the country, **RSPL HLS are truly versatile in design and deployment.**

02 Solar PCU

RSPL PCUs is a True Solar Power Conditioning Unit (PCU) which uses Solar energy (primary) and also the power from grid (secondary), to charge the batteries.

03 Solar CC and Interface

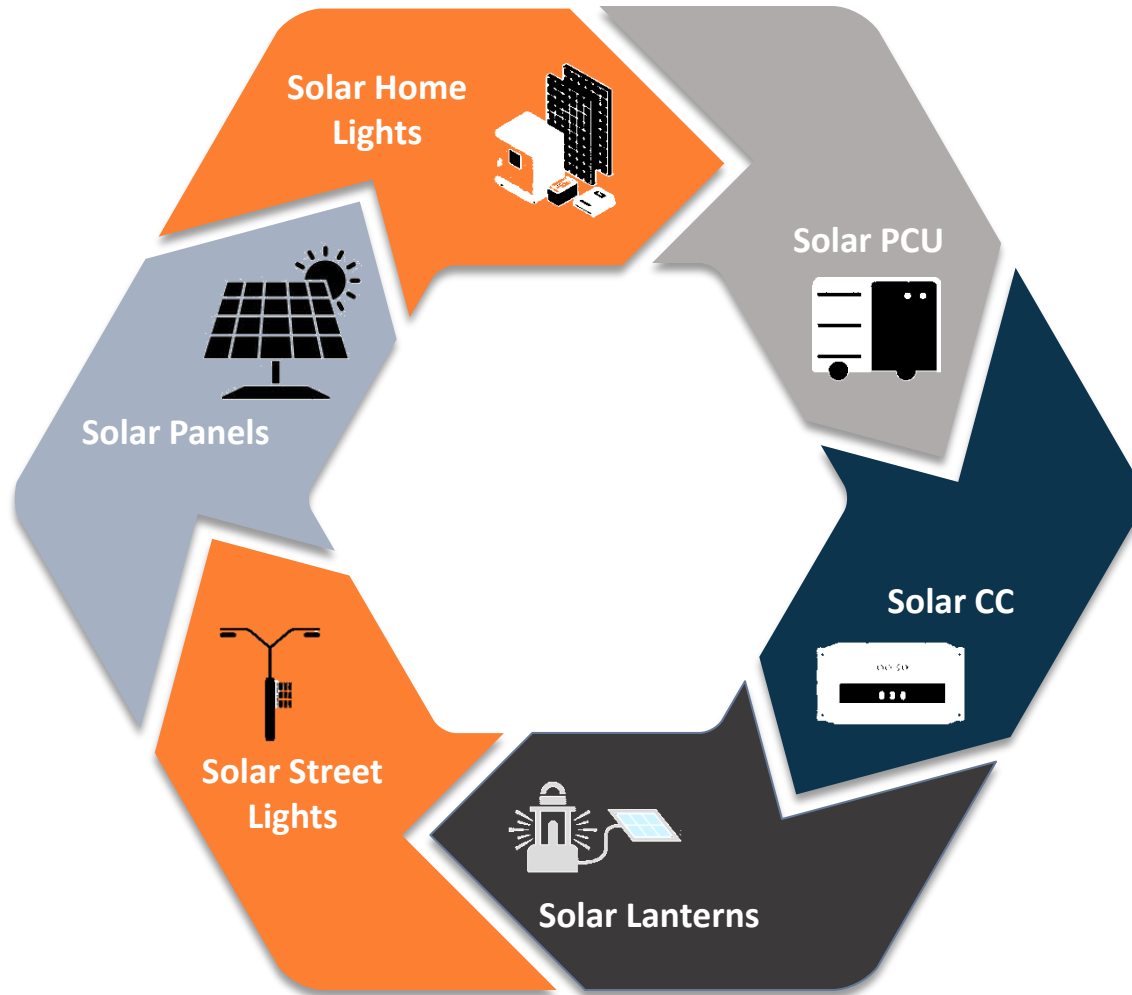
With many of them Installed and supplied as OEMs to power companies across the length and breadth of the country in a variety of ratings and models, RSPL CCs can be customized to any customers requirements.



Solar BOS: Balance of System



Solar OEM Services



RSPL offers state of the art and synchronized conveyor driven automated platform for the OEM manufacturing services if it is in bulk and on regular basis. Our experts with years of experience and training in handling customer jobs will interact with you to prepare a customer property document for manufacturing.

OEM Facilities are not only limited to Solar Panels but for BOS as well including PCUs, CC, Street Lighting and Home Lighting Systems.

As per the specific requirement of the OEM contract, the plant or infrastructure can be scalable to the tune of **30MW for OEMs within a quarter for Solar Panels and more than 10000 SKUs per Month for BOS.**

Our qualified design and QC team will then manage the job in co-ordination with our trained, skillful and experienced production team to take your job further with extreme care following all the QC aspects to ensure that quality and throughput meet simultaneously. We have well defined packing standards that will suit customer needs to load in 20' or 40' container.

Solar EPC Services

PROJECT SCHEDULE

We fulfill Initial system designs & construction requirements by integrated planning & timely supply of components. End to End PM is what we do best

SYSTEM DESIGN

We have a team of expert engineers who design projects and ensure that the projects deliver maximum financial results by maximizing electricity yield and reducing LCOE.

SITE ANALYSIS

A very important step done to estimate the availability of space, identify any potential shading and obstruction issues, and knowing the approximate amount of energy that could be generated from the site.

PROCUREMENT

Tier A Raw Material used by our sub vendors and us with Top Grade BOS to ensure your projects get the best for your money.

INSTALLATION AND QUALITY CONTROL

Top quality installation using industry best practices along with dedicated quality check points to ensure we cover every critical aspect of the power plant

INDUSTRY BEST PRACTICE

Why Solar

Solar Homes + High Value Homes

Research has shown that homeowners who have adopted solar, have increased the valuation of their home as compared to other homeowners. Any solar investment on your home will immediately increase the valuation of your property.

Become a Green Champion

Not only are you generating dependable power for yourself that saves you money, you are creating cleaner and greener energy that's saving the earth

Invest Simple

To go solar has never before been easier. Our team of independent solar consultants will help you sort through your options. To see how much you can save, and for all other solar questions, request a free consultation. There's no obligation. No Doubts.

Become Energy Independent

We will inevitably run out of oil, coal and natural gas. While we continue our consumption of these increasingly expensive and dangerous energy source, our national security and economy suffers. Solar is one step in the right direction.

Say Goodbye to Increased Tariffs

A one time investment in solar protects you from future rises in power costs as Solar power is reliable, dependable and most importantly, cost efficient. You will have a better ROI and be virtually insulated from the excesses in tariffs



Why EPC@RSPL

RSPL has made significant progress in the EPC segment with assured value-based services, timely completions of projects, active site design analysis and service monitoring.

Armed with an in-house team of highly experienced engineers with technical expertise we develop the most cost effective and energy efficient solar power plants. Client satisfaction being on the top of our priority list, our EPC services are the 'best value for money' investment.

25 MW + Counting Systems Installed

Ongrid and On grid Solar Solutions that have actually worked



Site Survey and Analysis

Comprehensive Engineering Assessment with detailed Layouts and SLDs



Installation and Monitoring

State of the art Installation with 24X7 monitoring option available



Statutory Permissions

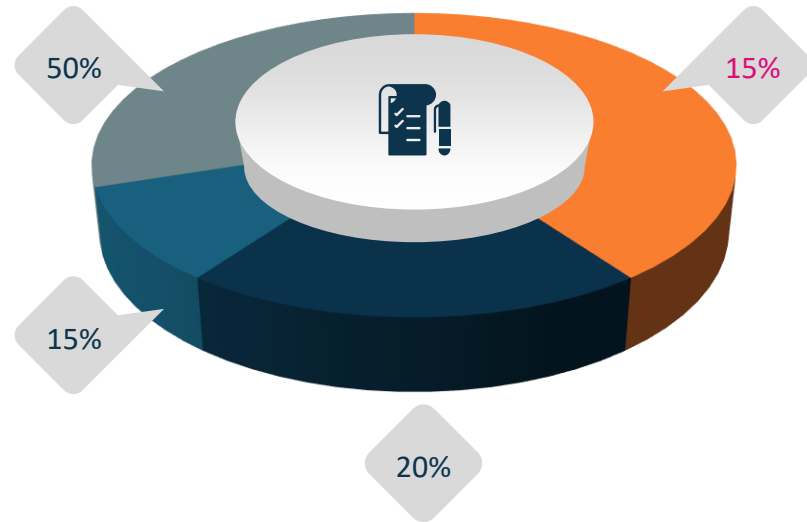
Permission to Operate and subsidy facilitation if applicable.



Maintenance and Support

360 Degree service support and on call engineers for peace of mind

EPC @ Categories



- Residential
- Commercial
- Industrial
- Government



RSPL EPC Projects are diverse and spread across categories and geographies

We undertake turnkey EPC projects for all categories from Inception to Execution with focus on timely delivery and quality

RSPL MO



RSPL MO is easy to use, intuitive and gives a bird eyes view on your Solar Street Light Performance

Simple solution, Hardware integrated with high performance metrics and reliability. The most economical solution for large scale solar streetlight monitoring



Easy to Install and operate ,Hardware Integrated. Can be used with any Solar SLS as a black-box as well if need be.



Fast & low installation cost – Most Economical Solution for your Solar Street Light.



Smart & versatile - remote monitoring & control



Intuitive user interface - quick & easy access via mobile app

Device ID	Status
18	on-line
17	on-line
16	on-line
1421	on-line
1422	on-line
1423	on-line
1424	on-line
1425	on-line

Date	Battery Voltage	Panel Voltage	Battery Current	Panel Current	Load Current	Battery Power	Panel Power	Load Power	Error	Latitude	Longitude	%
2024-01-05 18:07:46.223664+05:30	14.3	16.2	0	0	0	0.0	0.0	0.0	0	28.8097	77.2028	NA
2024-01-05 18:08:20.957102+05:30	14.3	16.4	0	0	0	0.0	0.0	0.0	0	28.8097	77.2028	NA
2024-01-05 18:09:24.986288+05:30	14.3	16.4	0	0	0	0.0	0.0	0.0	0	28.8097	77.2028	NA
2024-01-05 18:10:31.712217+05:30	14.3	16.4	0	0	0	0.0	0.0	0.0	0	28.8097	77.2028	NA
2024-01-05 18:11:37.223664+05:30	14.3	16.2	0	0	0	0.0	0.0	0.0	0	28.8097	77.2028	NA
2024-01-05 17:07:36.224864+05:30	14.3	16.4	0	0	0	0.0	0.0	0.0	0	28.8097	77.2028	NA
2024-01-05 17:08:01.854465+05:30	14.3	16.4	0	0	0	0.0	0.0	0.0	0	28.8097	77.2028	NA



**Powering Lives
Since 1985...**

Powering PSUs and Government Buildings in District Administrations



Powering Temples of Education: Schools and Colleges





Powering Religious Places and Residences

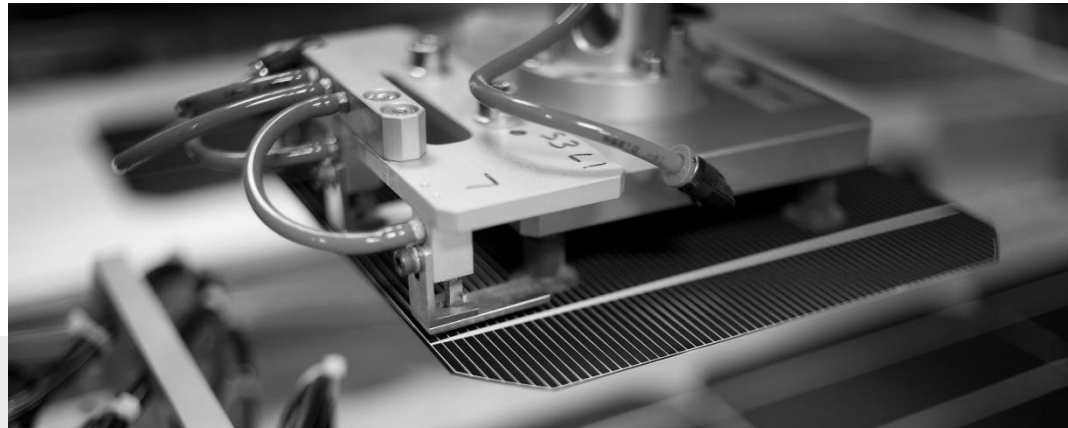


Powering Lives Since 1985...

With three decades experience of operational experience in the field of solar and being the oldest SP1A Rated Solar Organisation in India, Ritika Systems Pvt Ltd is one of the leading solar PV module manufacturing and EPC companies in India.

Having close to 25+ MW installations spread across the breadth of the country dealing primarily in solar street lights, home lighting systems, power packs, roof top solutions etc, RSPL is not only one of the leaders in Off Grid Solutions, but also has its foot print across Retail, Telecom, Rooftop Power Plants and Rural Electrification.

Over the years, RSPL has grown into a formidable force in the Solar Energy Sector. Experts having decades of experience in the Solar Sector have and continue to contribute to its success. We rely on cutting-edge technologies to provide our customers the highest degree of quality standards.




Ritika Systems Private Limited

Corporate Office: C-22/18, Sector – 57, Noida – 201301, U. P.

Works 1 : C-22/18, Sector – 57, Noida – 201301, Uttar Pradesh.
Works 2 : G-166, RIICO Industrial Area Neemrana Phase –II, Raj.
Works 3 : Plot No 17, Sector-15, Phase –II , IMT Bawal, Haryana

 info@ritikasystems.in

 0120-4298921,+91-8800564525

 www.ritikasystems.in