



PRODUCT BROCHURE

EMPOWERING TOMORROW INDERO'S RENEWABLE ENERGY

*Illuminating Pathways
in Solar and Wind
Innovation*





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COMPANY OVERVIEW

About Us

We are one of the most reputed names in providing experienced and quality industrial services to the clients located throughout the globe. Indero Metals Private Limited, headquartered in Noida, India. We are the company, proving the industrial service for solar and electrical segment.

Indero is a leading solar service provider dedicated to revolutionizing the energy landscape. Committed to innovation and sustainability, we deliver cutting-edge solar solutions, set industry standards, and contribute to India's solar infrastructure growth.



VISION & MISSION

Vision

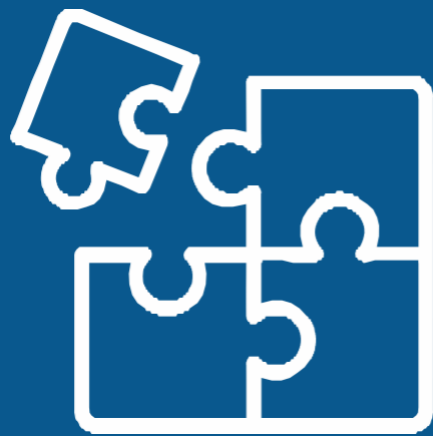
At Indero, our vision is to pioneer a transformative era in the solar & wind industry, setting new standards of innovation and sustainability. We aspire to be at the forefront of shaping India's renewable energy landscape, driving economic success, and empowering communities through groundbreaking solar & wind solutions.

Mission

At Indero, our mission is steadfast: to consistently provide top-tier renewable energy engineering solutions to a diverse and discerning customer base. We are dedicated to pushing the boundaries of excellence in this industry, ensuring reliability, efficiency, and innovation in every project we take on. By cultivating a culture of continuous improvement and embracing cutting-edge solar & wind technologies, we aspire to surpass customer expectations, contribute to societal progress, and play a pivotal role in advancing India's renewable energy infrastructure. Our unwavering commitment to excellence forms the cornerstone of our mission as we endeavor to leave a lasting impact on the solar engineering landscape.



5 Problems You'll Face in Purchasing Parts Separately



01

Compatibility Issues

Purchasing separate solar/wind components may lead to compatibility problems. Mismatched components can result in inefficiencies, reduced energy production, and potential system failures.

Complex Installation

Coordinating the installation of separate components can be challenging. It requires careful planning and coordination among different suppliers, potentially leading to delays and increased installation costs.

02



03

Warranty Challenges

Warranty management becomes complicated when dealing with multiple suppliers. In the event of an issue, it may be challenging to determine responsibility and coordinate warranty claims.

Increased Costs

Buying separate solar/wind components often incurs additional costs for shipping, handling, and coordination. These hidden expenses can significantly impact the overall project budget.

04



05

Limited Accountability

When components are sourced separately, accountability for the entire solar/wind system may be dispersed among different suppliers. This lack of a single point of contact can complicate issue resolution and ongoing system maintenance.



5 Reasons to Opt for Indero's Renewable Energy Solutions



INTEGRATED EXPERTISE

Indero offers comprehensive, end-to-end solar solutions. From design to installation, our in-house experts ensure a seamless process, providing you with a single point of contact for all your solar/wind needs.

1

2

QUALITY ASSURANCE

We prioritize the use of top-tier components and cutting-edge technology in our renewable energy solutions. Our commitment to quality ensures that your investment delivers long-term reliability, efficiency, and performance.



CUSTOMIZED SOLUTIONS

3

Indero understands that every project is unique. Our team works closely with clients to tailor solar solutions to their specific requirements, optimizing energy production and ensuring a perfect fit for diverse applications.



COST EFFICIENCY

5

4

By choosing Indero, you benefit from cost-effective, all-in-one renewable energy solutions. We streamline the process, minimizing overhead costs associated with purchasing individual components separately, ultimately providing you with better value for your investment.



PROVEN TRACK RECORD

With a successful track record of completed projects and satisfied clients, Indero has established itself as a trusted name in the solar & wind industry. Our experience and expertise make us the go-to choice for those seeking reliable solar solutions.



INDERO'S COMPREHENSIVE SOLAR OFFERINGS



Solar Consultancy:

- In-depth guidance from seasoned professionals.
- Feasibility analysis and system sizing support.



Customized System Design:

- Tailor-made designs for diverse applications.
- Optimization for enhanced energy production.



Top-Tier Solar Components:

- Integration of high-quality, cutting-edge technology.
- Assurance of reliability and long-term performance.



Turnkey Installation Services:

- Efficient and seamless installation handled by professionals.
- Comprehensive management from panel mounting to grid connection.



Operation & Maintenance:

- Regular inspections and system monitoring.
- Prompt issue resolution for optimal system performance.



Sustainability Integration:

- Contribution to environmental responsibility.
- Reduction of carbon footprints and support for a cleaner, greener future.





INDERO'S COMPREHENSIVE WIND OFFERINGS



Wind Wisdom Insights:

- Get practical advice from our wind energy experts.
- We help you navigate the wind energy landscape with tailored guidance.



Tailored Wind Designs:

- Custom solutions for every scenario.
- We create wind solutions that work seamlessly, maximizing power production.



Top-Quality Wind Components:

- Only the best in wind tech.
- Our components are built to last, ensuring your wind energy system stays reliable.



Effortless Wind Installation:

- A smooth process managed by our experts.
- From installing turbines to connecting to the grid, we handle everything.



Smart Wind Monitoring:

- Real-time tech for simple monitoring.
- Stay informed about your wind energy performance effortlessly.



Green Commitment:

- Choose sustainability with us.
- We're not just about energy; we're working towards a cleaner, greener future.



INDERO'S DIVERSE SOLAR ENERGY SERVICES:

- **Rooftop Solar Solutions:** Harness solar power on your rooftop for efficient and sustainable energy generation.
- **On-Grid Solar Power Plants:** Connect directly to the grid, optimizing energy consumption and reducing dependence on traditional sources.
- **Off-Grid Solar Power Systems:** Independent energy solutions for remote locations or areas with limited grid connectivity.
- **Ground-Mounted Solar Power Systems:** Large-scale solar solutions designed for ground installation, ideal for commercial and industrial applications.
- **Commercial Solar Power Plants:** Tailored solar solutions for businesses, ensuring cost-effectiveness and environmental responsibility.
- **Hybrid Solar Power Systems:** Innovative systems combining solar and wind energy for enhanced power production and reliability.





INDERO'S DIVERSE SOLAR ENERGY SERVICES:

Partnerships:

- **Tata Power Solar:** Benefit from our collaboration with Tata Power Solar, a trusted name in the solar industry.
- **Havells:** Explore cutting-edge solar solutions in collaboration with Havells, known for its commitment to quality.
- **Jaksons:** Leveraging expertise through our association with Jaksons, enhancing the reliability of our solar offerings.

Special Projects:

- **NHAI Solar Installations:** Undertake special projects with NHAI, installing solar systems along highways to power critical equipment such as Toll Systems, Advanced Traffic Management Systems, and Highway Lighting.

Indero takes pride in offering a diverse portfolio of solar and wind energy services, backed by strategic partnerships and a commitment to innovation in every project we undertake.



Expanding Horizons: Indero's Diverse Solar Environments:

Solar Plant Environments:

- **Desert Ground-Mounted Solar Plants:** Indero thrives in the desert, implementing ground-mounted solar plants for efficient energy production.
- **Mountain Ground-Mounted Solar Plants:** Conquer the heights with our solar expertise, designing and installing ground-mounted systems in mountainous terrains.
- **Plain Land Ground-Mounted Solar Plants:** Optimize solar potential in flat terrains with our ground-mounted solar solutions designed for plain lands.
- **Single Axis Tracker-based Ground-Mounted Solar Plants:** Embrace innovation with single-axis trackers, enhancing energy capture by following the sun's trajectory



Rooftop Solar Solutions:

- **Residential Rooftop Solar (Resco):** Tailored solar solutions for homes, ensuring cost-effectiveness and sustainable energy for residents.
- **Commercial and Industrial Rooftop Solar (Capex):** Empower businesses with capital expenditure solar solutions, maximizing energy efficiency and cost savings.



Expanding Horizons: Indero's Diverse Solar Environments:

Specialized Solar Installations:

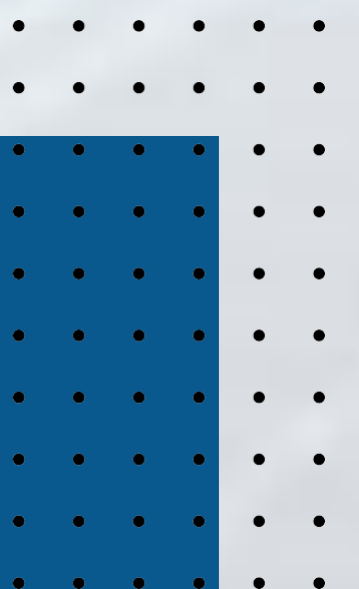
- **Floating Solar Plants:** Navigate uncharted waters with Indero expertise in designing and deploying floating solar plants for water bodies.
- **Solar Street Lights:** Illuminate pathways sustainably with our solar street lights, providing energy-efficient solutions for urban and rural areas.
- **Solar Water Pumping Systems:** Indero harnesses solar energy to power water pumping systems, addressing agricultural and rural water needs sustainably.
- **Solar Home Lighting:** Bring light to every home with our solar home lighting solutions, promoting energy independence and accessibility.



Battery Energy Storage Solutions:

Energy Storage Solutions: Store excess energy efficiently with our battery storage solutions, ensuring a continuous and reliable power supply.

Indero goes beyond conventional boundaries, adapting to various environments and delivering innovative solar and wind energy solutions tailored to diverse needs.





WIND MILL INSTALLATION

Taking a wind project from fully consented to fully installed requires multi-discipline engineering expertise, along with a working knowledge of heavy cranes and wind turbine installation logistics.

Add project management capability and you have a Indero's Wind installation engineer!

Wind Installation Process Overview: A Structured Journey to Success

1. Site Layout Design:

- Utilizing the expertise of our wind consultants, we craft a comprehensive site layout plan.
- Conducting a topographical survey to analyze ground features and levels impacting construction.

2. Foundation Planning:

- Geotechnical surveying determines ground conditions, crucial for foundation design.
- Earthing survey assesses ground resistivity, essential for the electrical earth system.

3. Location Determination:

- Information gathered guides the placement of key elements – turbine center, transformer, and high-voltage sub-station.

4. Electrical Distribution Design:

- With fixed locations, on-site electrical distribution is meticulously designed.
- Cable trenches and routes are specified for seamless integration.





WIND MILL INSTALLATION

5. Structural Engineering Collaboration:

- Partnering with specialist structural engineers to design robust groundworks.
- Managing a tender process with civil engineering contractors ensures optimal project value.

6. High and Low-Voltage Specification:

- Precise specifications for high and low-voltage works are detailed.
- Tendering processes engage specialist subcontractors for implementation.

7. Project Management Excellence:

- Project management begins post-contractor selection, ensuring a smooth process.
- Simultaneously managing client liaisons, wind turbine suppliers, and heavy lifting contractors.

8. Access Upgrades and Crane Pads:

- Coordinating the timely delivery of access upgrades and crane pads.
- Ensuring compliance with specified requirements.

9. G99 Testing and Commissioning:

- Wind consultants arrange and oversee G99 testing and turbine commissioning.
- Ensuring compliance until the issuance of the Final Acceptance Certificate.

10. Client-Centric Communication:

- Throughout the installation journey, the Renewables First Project Manager acts as the primary point of contact.
- Keeping clients informed and updated on project progress.





SOLAR POWER PLANT PROJECTS OVERVIEW



Ramchandra Singh Bisht and Sons Pvt.Ltd.

- Solar Power Plant capacity – 1 MWp.
- Plant Address – Village Bhainga, Tehsil- Pratap Nagar, District – Tehri Garhwal, Uttarakhand Pin- 249131



Dewki Solar Pvt. Ltd.

- Solar Power Plant capacity – 1 MWp
- Plant Address – Village Taidi (Taidi Substation), Near Danda Naagraj Mandir, Block- Kot, Patti – Banelsyu, Pauri Garhwal, Pin-Code 246173



Shri Siddhnath Projects Developers Pvt.Ltd.

- Plant capacity – 1200KWp
- Plant Address – Village Patal Gaon (Chaukhutia) Post Bhogti District Almora , Uttarakhand, Pin- 263656



Ranawat Solar Pvt.Ltd.

- Plant capacity – 1 MWp
- Village- Dhari, Talla Dhangu, Dwarikhal, District- Pauri Gharwal, Uttarakhand, Pin- 246173



SOLAR PROJECTS COMPLETED & IN PROGRESS

| COMPLETED & ON-GOING PROJECTS :- | | | | Dt 11-01-2024 |
|----------------------------------|---|-------------------------|------------------|---------------|
| SI No | Project Type | Location | Capacity KWp/MWp | STATUS |
| 1 | RCC Rooftop KIRLOSKAR- (ICICI Foundation) BOS & I&C | Karnataka & Telangana | 400 kWp | On going |
| 2 | RCC Rooftop GODREJ-AIPL JOY | Central Gurgaon | EPC-150 KWp | On going |
| 3 | RCC Rooftop KIRLOSKAR- BOS & I&C | Ludhiana Police Station | 600 kWp | On going |
| 4 | Ground Mount ENERPARC-Neogen Ltd BOS & I&C | Gujarat | 990 kWp | On going |
| 5 | Rooftop VNT-Telecom Site BOS & I&C | | 2 MWp | On going |
| 6 | Metal Roof AB ENERGIA-JSL (Hissar) 1.8Mwp Done | Hissar | 1.8 MWp | Completed |
| 7 | Ground Mount GREEN ALTERNATIVE | Roop nagar (Patan) | 500 kWp | Completed |
| 8 | Metal Roof Ornate-Priction Product Pvt Ltd. | Ghaziabad | 253 kWp | Completed |
| 9 | Metal Roof Divya Power-Zonac Knitting | Noida | 268 kWp | Completed |
| 10 | Metal Roof ARTHA-Legrand | Nashik | 506 kWp | Completed |
| 11 | Metal Roof GENSOL-JBM | Pune | 667 kWp | Completed |
| 12 | RCC Roof GENSOL_Jawarsons | Ludhiana | 314 kWp | Completed |
| 13 | GroundMount PROZEAL-ACG Associates | Tuljapur, Maharastra | 12.3 MWp | Completed |
| 14 | RCC Rooftop BLUEBIRD-SDMC Govt. School | Delhi | 300 kWp | Completed |
| 15 | RCC Roof GAINWELL-African House Govt. Building | Delhi | 520 kWp | Completed |
| 16 | Metal Roof SUNSHOT-Tata Motor Limited. | Chinhat, Lucknow | 600 kWp | Completed |
| 17 | Metal Roof JUPITER-Himachal Pradesh University | Shimla | 300 kWp | Completed |
| 18 | GroundMount SUNFUND-Bhaskar Jyoti Pvt Ltd | Pimpri, Maharastra | 2.94 MWp | Completed |
| 19 | Metal Roof PINAKIN-Kanchan India Pvt Ltd, | Bhilwara, Rajasthan | 1.4 MWp | Completed |
| 20 | Metal Roof HARSHA ABAKUSH-Sakun Polymer Pvt Ltd. | Halol (Gujarat) | 300 kWp | Completed |
| 21 | Metal Roof HARSHA ABAKUSH | Ahamadabad (Gujarat) | 206 kWp | Completed |
| 22 | Metal Roof HARSHA ABAKUSH-Shilp Grauers, | Santej Kalol (Gujarat) | 201 kWp | Completed |
| 23 | Metal Roof HARSHA ABAKUSH-Salasar Balaji, | Jodhpur (Rajasthan) | 78 kWp | Completed |
| 24 | Metal Roof HARSHA ABAKUSH-Carrat Commodeal, | Jodhpur (Rajasthan) | 97.8 kWp | Completed |
| 25 | RCC Roof ENVIO-Scope | Minar Complex (Delhi) | 10 kWp | Completed |
| 26 | Ground Mount SUNIVA- | Phaloudi (Rajasthan) | 150 kWp | Completed |
| 27 | Blast RCC Roof AZURE-Mancheswar Railways Station | Odisha | 300 kWp | Completed |
| 28 | Metal Roof SAURA-Modison Metal | Daman (Silvasa) | 106 kWp | Completed |
| 29 | Metal Roof HARTEK-Ludhiana | Punjab | 900 kWp | Completed |
| 30 | Albestor Roof INDUS-Chauhan Paper | Yamuna Nagar (Haryana) | 179 kWp | Completed |
| 31 | RCC Roof ORB-Jindal House | Hissar (Haryana) | 33 kWp | Completed |
| 32 | RCC SUNSWITCH-Gurugram | (Haryana) | 53 kWp | Completed |
| 33 | Metal Roof HARTEK-Sikar | Jaipur (Rajasthan) | 297 kWp | Completed |
| 34 | RCC Roof AKDIT | Shahdra | 1340 kWp | Completed |



MAN POWER

MAN POWER HEIRARCHY

❖ Chief Technical Officer

Name- Mr. Aditya Narayan Thakur

Qualification- B.Tech (EEE)

Experience- 8 Yrs. In Ground Mounted Execution in North India
(Also in Hills)

❖ Project Manager (Technical)

Name- Keshab Kumar Sahoo

Qualification- B.Tech (Electrical)

Experience- 13 Years in Electrical work.

❖ Site Engineer

Name-Mr. Vivek Kumar Rawat

Qualification- Diploma in Civil Engineering

Experience- 3 Yrs. Solar Ground Mount Project Execution

❖ Site Engineer

Name- Mr.Sunil Kumar

Qualification- Diploma in Mechanical Engineering

Experience- 4 Yrs. Solar Ground Mount Project Alignment & I and C

Execution

❖ Site Engineer

○ Name- Mr. Suraj Kumar

○ Qualification- Diploma In electrical Engineering

○ Experience- 4 Yrs. Solar Design & Execution

❖ Site Supervisor

○ Qualification- Graduate and Diploma in Solar Ground Mount Projects

○ Experience- 6 Years in I & C

Remarks: - Balance work force will be increased as per site requirement and will be arranged locally.



GET IN TOUCH



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Riteish Bhatnagar & KK Sahoo

