



INDIA HARD SOLAR
FUTURE OF ENERGY



India Hard Solar

Zero Bills, Zero Pollution



Registered



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Introduction to Solar Energy

Solar power is now central to modern life. Thanks to improved engineering and initiatives like the PM Surya Ghar: Muft Bijli Yojana, you can create and own your own electricity.



We treat your rooftop solar plant like a true power facility—built with care, strength, and long-term reliability. It turns your home into an active energy producer.

About India Hard Solar

Who We Are

India Hard Solar is a dynamic subsidiary of India Hard Construction and Supplies Pvt Ltd. We are dedicated to providing technically sound and economically viable renewable energy solutions.

Our Expertise

We understand our customers' energy consumption patterns and work out economically viable plans for switching to renewable energy sources. We provide solutions on a "Turnkey Basis", meaning we handle everything from concept to commissioning.

Our Areas of Expertise Include:

- Energy Mapping & Site Analysis: Detailed survey of your roof and load requirements.
- Design & Engineering: Custom structure design (civil and mechanical).
- Procurement: Supply of Tier-1 Modules, Inverters, and Balance of System (BOS).
- Installation: Professional erection and commissioning of the plant.
- Liaisoning: Handling all government paperwork for Net-Metering.

Why Choose Us?

- Experience: Backed by the strong legacy of India Hard Construction.
- Quality: We use only MNRE-approved components (ALMM listed).
- Support: Exceptional after-sales support and O&M services.



MISSION, VISION & VALUES

Vision

To be a trusted leader in the solar energy sector, dedicated to enabling energy independence for individuals and organizations. We aim to contribute meaningfully to a cleaner global energy landscape by upholding the highest standards of operational excellence¹

Mission

Our mission is to place customers at the core of every initiative. We are committed to executing projects with precision, ensuring the highest levels of quality and safety. We strive to generate lasting value for our stakeholders while making a contribution to the environment.

Core Values

1. Integrity: Honest and transparent business practices.
2. Sustainability: Promoting green energy for a better future.
3. Customer-Centric: Solutions designed around your needs.
4. Quality: Zero compromise on material standards.
5. Innovation: Using the latest technology (Bifacial/Half-Cut panels).



Benefits of Solar Energy

- Zero Electricity Bills: Generate your own power to cover up to 300 units per month, potentially eliminating your monthly electricity bill entirely.
- Direct Cash Subsidy: Receive up to ₹108,000 in government support credited directly to your bank account
- 3-4 Year Payback (ROI): Recover your entire investment in just 3 to 4 years through bill savings,
- Easy, Low-Interest Loans: Access collateral-free bank loans at concessional interest rates (~7%), often making the EMI lower than your current electricity bill.



Products & Services



We offer a complete range of solar energy solutions:

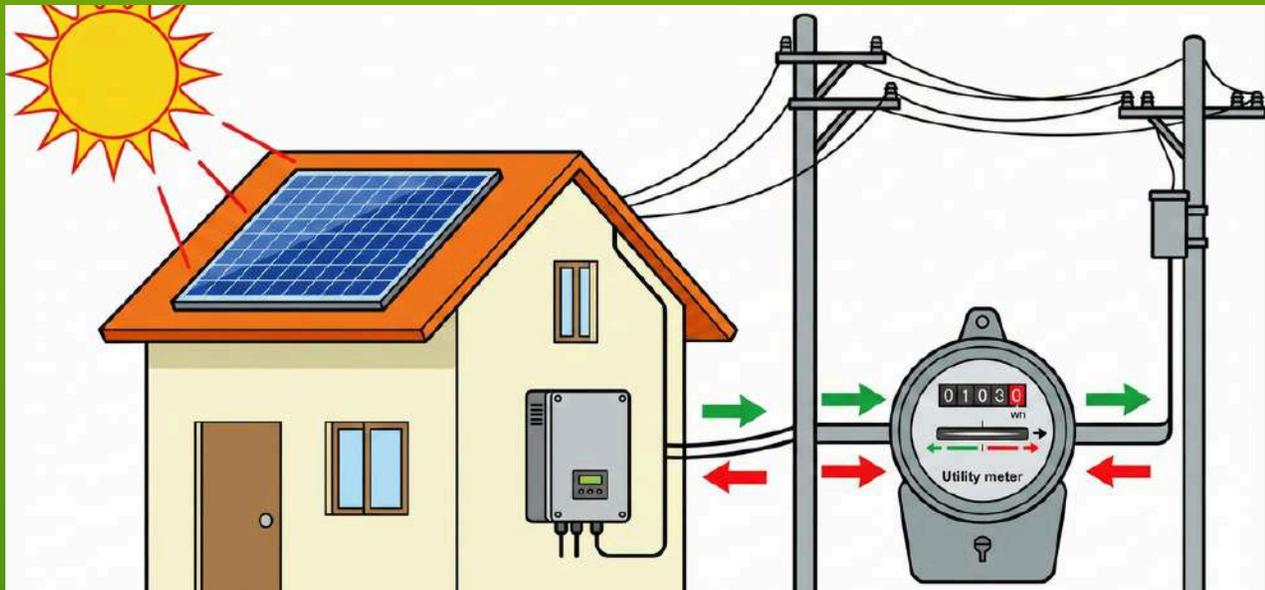
- Residential Solar Panels
- Commercial & Industrial Installations
- Off-Grid and Hybrid Systems
- Battery Storage & Inverter Solutions
- Installation & Maintenance Services
- We deal with all leading manufacturers.





In a grid-connected rooftop solar (RTS) system, the DC power generated from solar panels is converted to AC power using a power conditioning unit/Inverter and is fed to the grid.

ABOUT THE ROOFTOP SOLAR SYSTEM



PROJECT SUMMARY

Scope of work

	Description	INDIA HARD SOLAR	CLIENT
1	Design, Supply, Installation, Testing & Commissioning		
A	Conduct detailed site visit for measurements and site-specific information.		
B	Prepare full system design (civil, structural, electrical, mechanical) with construction drawings.		
C	Procure equipment and materials and deliver to the site.		
D	Perform complete system installation.		
E	Test all electrical components in accordance with manufacturer instructions.		
F	Liasoning work and Net-Metering & Calibration fees to get Net-Metering from DISCOM.		
G	Cleaning System of the Panel (like Motor, Sprinkles, and Pipe with fitting).		
H	Lodging, Transport & Fooding for Work Crew outside the Premises		

PROJECT SUMMARY

Scope of work

	Description	INDIA HARD SOLAR	CLIENT
2	Provide access to the work site for delivery of equipment and materials prior to And during project implementation		
A	Approval of full system design include Civil, Structural, Electrical and Mechanical components, with construction drawings and specifications		
B	Provide a suitable and secure space for storage of equipment and materials.		
C	Facilitate access of work crew to the work site 7 days a week.		
D	Facilitate inter facing with the client's resident engineering staff or consultation as needed.		
E	Post project commissioning & handover, weekly cleaning of solar modules via Cleaning arrangement		
F	Ensure the In wards of the material via Gate Pass in the premises at their Entry Point and Exit of equipment with work crew via Gate Pass at Exit Point		



Bill of Materials / TECHNICAL SPECIFICATIONS

We use top-tier components ensuring long life and high efficiency.

S.No	Component	Description
Solar PV Module	Adani/Waree/Tata(Equivalent)	<ul style="list-style-type: none">Type: Mono PERC Half-Cut / BifacialWattage: 540Wp - 550WpEfficiency High Efficiency DCR CellsApproval: MNRE / ALMM Approved
Solar Inverter	Growatt / Polycab	<ul style="list-style-type: none">Type: On-Grid String InverterEfficiency: >98%Monitoring: Wi-Fi/GPRS Remote MonitoringProtection: IP65 Rated for Outdoor
Mounting Structure	India Hard Solar	<ul style="list-style-type: none">Material: Hot Dip Galvanized Iron (HDGI)Wind Speed: Designed for 150 km/hrLife: 25+ Years stability
AC/DC Cables	Polycab / Havells	<ul style="list-style-type: none">DC Cable: 4 sq.mm Tinned Copper, UV ProtectedAC Cable: Aluminium Armoured
Protection Devices	L&T / Schneider	<ul style="list-style-type: none">ACDB (AC Distribution Box) with MCB/SPDDCDB (DC Distribution Box) with Fuses/SPD
Earthing & Lightning	CPRI Approved	<ul style="list-style-type: none">Chemical Earthing Pits (3 Sets) 41Lightning Arrester (1 Set)



RETURN ON INVESTMENT (ROI)

Why Solar is a Great Financial Decision:

1. Immediate Savings: Your electricity bill will drop by approx. 80-90% immediately after installation.
2. Short Payback Period: With the current subsidy scheme, the typical ROI period is 3 to 4 years.
3. Free Electricity: After the payback period, you enjoy free electricity for the remaining 21+ years of the system's life.
4. Asset Value: Increases the property value of your home.

We stand by the quality of our products.

1. Solar PV Modules
 - 25 Years Linear Performance Warranty.
 - Modules will retain at least 80% efficiency at the end of 25 years.
 - 10-12 Years Product Warranty on Manufacturing Defects.
2. Solar Inverter
 - 5 to 7 Years Comprehensive Warranty (Brand Dependent).
 - Option to extend warranty by paying additional charges.
3. Workmanship & Structure
 - 5 Years Warranty on System Workmanship⁶⁵.
 - 25 Years Estimated Life of Structure⁶⁶.



TERMS AND CONDITIONS

Category	Description / Condition
Warranty & Servicing	<ul style="list-style-type: none"> • PV Modules: 25/30 Years Linear Power as per policy. • Solar Inverter: 8 years as per policy. • Other Accessories: As per manufacturer's warranty applicable from the date of invoice as per manufacturer T&C. • Bill copy is necessary for claiming warranty. • Company shall assist in raising service requests and coordinating claims with the manufacturer.
Transportation & Insurance	<ul style="list-style-type: none"> • Transport: By Road Transport to your site. • Insurance: Transit Insurance to be done on Demand (Charges payable Extra). • Freight: Transportation and Freight are exclusive.
Payment Terms	<ul style="list-style-type: none"> • 100% payment required before Dispatch of Solar Panel & Inverter.
Mode of Payment	<ul style="list-style-type: none"> • A/C (Bank Transfer)
Finance Facility & Subsidy Terms	<ul style="list-style-type: none"> • Finance: Bank Finance available for 90% of Project Cost; rest 10% amount customer should pay to vendor. • Subsidy: The responsibility of the subsidy amount depends on the policy of the central and state governments. The Supplier Agency will not be responsible for it.
Variation	<ul style="list-style-type: none"> • Revision or addition beyond commitment in the Product Specifications/Scope, due to site requirement (within project capacity targets), will be at the sole discretion of M/s India Hard Solar, Raipur. The cost of the same shall be adjusted in the invoice accordingly. After designing the system, the capacity variation cost shall be considered for any changes.
Consumables	<ul style="list-style-type: none"> • Consumables like SPD, Fuses, Nut-bolt, and Fasteners, etc., are not covered under any warranty and will not be replaced.

ACCEPTANCE & DOCUMENTS

Category	Description / Condition
Warranty & Documents Required for Processing	<ol style="list-style-type: none">1. Aadhar Card & PAN Card of the Applicant.2. Latest Electricity Bill (1 Year history preferred).3. Bank passbook, cancelled check .4. Passport Size Photo.
BANK DETAILS FOR RTGS/NEFT	<ul style="list-style-type: none">• Account Name: India Hard Constructions and supplies pvt ltd• Bank: Canara Bank• Account No: 120001091051• IFSC Code: CNRB0004866• Branch: Abhanpur Chhattisgarh
Payment Terms	100% payment required before Dispatch of Solar Panel & Inverter.





पीएम सूर्य घर
मुफ्त बिजली योजना



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