PREGAVI

TURNKEY SOLAR EPC & ENERGY INTELLIGENCE

COMPANY PROFILE & PROJECT TRACK RECORD

Rooftop Solar Power Plant Execution Excellence

From conceptual engineering and DISCOM net-metering approvals to precision installation and smart IoT telemetry for industrial & commercial rooftops.

CORE FOCUS
C&I Rooftop Solar EPC

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Plot no:256, Shipra Sun City, Ghaziabad,
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WEB PORTAL
www.pregavi.com

WHO WE ARE

Integrated Clean Energy & Technology Partner

Pregavi blends seasoned power-sector engineering with digital monitoring systems to deliver resilient rooftop solar plants.

We enable Commercial & Industrial (C&I) clients to significantly lower operational electricity tariffs, achieve ESG sustainability targets, and protect energy continuity against grid volatility.

Domain-Led Engineering
Structural & electrical designs built for 25-year lifespans.

Digital Telemetry
Built-in Smart Asset & SEMS real-time visibility.

Why Industrial Clients Choose Us

- **End-to-End Delivery:** Single-window accountability from layout design to CEIG inspection.
- **Roof Integrity Guarantee:** Non-penetrative clamp mounting systems protecting roofs.
- **Generation Assured:** Stringent Tier-1 module & inverter component procurement.

DEMONSTRATED IMPACT

Operational & Financial Value Delivered

40–60%

Power Cost Reduction

Drastic cut in grid power units during daytime peak tariff slots.

3–4 Yrs

Average CAPEX Payback

Rapid return on investment accelerated by corporate tax write-offs.

99.2%

Plant Uptime Ratio

Sustained by continuous SEMS remote string-level health monitoring.

25+ Yrs

Asset Operational Life

Designed to resist cyclonic wind pressures and environmental wear.

METHODOLOGY

End-to-End Rooftop Plant Execution Flow

PHASE 01

Site & Shadow Audit

Drone 3D shadow analysis and structural roof load validation.

PHASE 02

Engineering & BOM

Tier-1 Mono PERC/TOPCon modules, string inverters & clamp design.

PHASE 03

Regulatory Liaison

Net-metering sanction, DISCOM approvals, and CEIG statutory sign-off.

PHASE 04

Installation & QA

Certified electrical cabling, DCDB/ACDB boxes, and lightning protection.

PHASE 05

Sync & SEMS Cloud

Bi-directional meter sync and Pregavi IoT telemetry dashboard go-live.

DIGITAL INNOVATION

IoT & Cloud Telemetry (Smart Assets & SEMS)

Pregavi integrates in-house Smart Energy Monitoring Systems (SEMS) with every installation.

15-Min Block Analytics

Real-time generation telemetry and PR analytics.

Smart Asset Alerts

Automated string failure and soiling detection.

DSM & ABT Metering Sync

Seamless compliance with state grid codes and deviation rules.



EXECUTION CREDENTIALS

Featured Industrial Rooftop Projects

PHARMA & AEROSOL

Pontika Aerotech Ltd.

Johron, Paonta Sahib, HP

800 kWp Industrial Rooftop

Turnkey engineering, high-wind structure, and plant-level grid synchronization.

PACKAGING & COATING

Papcoat India Pvt. Ltd.

Barhi Industrial Area, Haryana

High-Yield Shed Setup

Corrosion-proof non-penetrating clamps for harsh manufacturing atmospheres.

TEXTILE & APPAREL

Maclon Hosiery

Wazirpur Ind. Area, Delhi

Urban RCC Roof Plant

Compact ballasted setup with bi-directional net-metering and peak tariff reduction.

FLAGSHIP PROJECT

Case Study: Pontika Aerotech Limited



800 KW INDUSTRIAL PROJECT

Clean Energy Transition in Himachal

Engineered for high solar generation yield in Johron's industrial terrain with full grid synchronization.

- **Annual Yield:** Over 1.15+ Million units clean power per year
- **Structure:** Custom non-penetrating anodized aluminium profiles
- **Compliance:** 100% DISCOM liaisoning & net-metering synchronization
- **Monitoring:** Pregavi SEMS 15-minute block telemetry

COMMERCIAL FLEXIBILITY

CAPEX vs. OPEX / RESCO Execution Models

CAPEX Model

Self-Owned

Client funds the asset upfront for maximal lifetime energy yield.

Immediate ROI: Accelerated depreciation tax benefits.

Free Electricity: Zero tariff after 3-year payback.

Total Ownership: Asset stays with client.

RESCO / PPA Model

Zero Investment

Zero upfront investment with a pre-agreed tariff discount.

Zero Capital: No upfront setup expense.

Lower Tariff: 20-30% lower than grid power.

Full O&M Included: Developer manages performance.

POST-COMMISSIONING

Preventive O&M & Plant Care

Robotic & Wet Cleaning

High-efficiency automated module washing.

Thermographic Audits

Infrared detection of hot spots and micro-cracks.

Preventive Testing

Periodic I-V curve tracing and insulation tests.

ABT Recalibration

Certified accuracy audits for net-metering logs.

Power Your Facility With Solar

Partner with Pregavi for turnkey rooftop solar plant engineering, implementation, and smart telemetry.

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