



Built on **Strength.** **Designed for the Future of Energy.**

High-engineered steel mounting structures that safeguard every solar investment for decades — manufactured in the heart of India's steel belt.

01 — THE FACILITY

A state-of-the-art roll-forming plant.

GM Solar operates a fully automated manufacturing facility in **Bilaspur, Chhattisgarh** — the industrial heart of India's steel belt. High-speed CNC roll-forming lines convert Tier-1 virgin steel coils into precision mounting profiles, backed by an in-house testing laboratory that checks every batch.

CNC ROLL-FORMING LINE

40 MW+

Monthly production capacity

800 MT+

Steel processed every month

25 YR

Structural design life

180 KM/H

Cyclonic wind rating

Products We Roll-Form

1.5–2.5mm · custom lengths

C Profile

Primary purlins & rafters

U Profile

Channels, rails & bracing

Hat Purlin

Module-mounting top members

MATERIALS & COATINGS

- **HDGI**
Hot-dip galvanized iron
- **Galvalume**
Aluminium-zinc alloy coat
- **ZAM**
Zinc-Aluminium-Magnesium
- **Pre-Galvanized**
Mill-coated coil stock

TIER-1 STEEL PARTNERS

TATA STEEL**JSW****AM/NS** India

Automated roll-forming

High-speed CNC lines run continuous, uniform profiles.



In-house test lab

Every batch checked for dimension, coating & strength.



STAAD-proved designs

Engineered to IS 875 wind-load codes.



Zero on-site welding

Pre-punched, bolt-only modular assembly.



High-precision profiles

Custom thickness, width & length tolerances.



25-year coatings

HDGI / Galvalume / ZAM rust-free shield.

02 — MEGAWATT PROJECTS

Engineered for megawatt-scale projects.

High-velocity manufacturing, custom engineering flexibility and a seamless supply chain — built to feed aggressive commissioning timelines on large utility ground-mount portfolios.

ON-SITE · GROUND MOUNT

Hot-dip galvanized structures, erected fast.



Item-wise labelling, zero-error erection

Every single member leaves the plant laser-marked with an item code mapped directly to your site layout drawings — so crews sort, match and bolt without guesswork, cutting erection time on multi-MW sites.

Item-coded members — RE-32050

Galvanized base brackets, bundled



Massive throughput

40 MW+ per month keeps multi-MW sites supplied without supply gaps.



Custom engineering

Pre-punched holes, slotting & exact lengths to your layout drawings.



Item-wise labelling

Every member laser-marked with an item code for zero-error erection.



Industrial packaging

Heavy-duty weatherproof bundling protects coatings in transit.

03 — GOVERNMENT SCHEME

PM Surya Ghar: Muft Bijli Yojana

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In order to further sustainable development and people's well-being, the PM Surya Ghar: Muft Bijli Yojana, with an investment of over ₹75,000 crores, aims to light up 1 crore households with up to 300 units of free electricity every month.

Shri Narendra Modi

HON'BLE PRIME MINISTER OF INDIA

Ready, standardised rooftop structures

pre-engineered · bolt-only

3 kW

Compact homes & small rooftops

 6-8 panels**5** kW

Standard family households

 10-12 panels**10** kW

Large homes & housing societies

 18-22 panels**Fully standardised**

Fixed BOM, repeatable on every site.

**Bolt-only assembly**

No on-roof welding or cutting.

**Leak-proof mounting**

Roof waterproofing stays intact.

STANDARDISED STRUCTURE · ISO VIEW

**Subsidy-ready structures for every PM Surya Ghar rooftop installation.**

DISCOM-ready

Galvanized

Fast turnaround