



SOLAR STRUCTURES

THE **BACKBONE** OF SOLAR ENERGY

Precision engineered mounting structures



STRENGTH
MATERIAL

LONGEVITY
FINISH

PRECISION
BUILD

Manufactured in Bhopal, Madhya Pradesh

ABOUT VIVAAN INNOVATION

PRECISION, FROM COIL TO INSTALLATION

Vivaan Innovation Pvt. Ltd. is a leading engineering organization renowned for providing innovative solar solutions. With state-of-the-art manufacturing facilities, we drive the solar revolution by providing structures you can trust.

WHERE MYROOF WORKS

- Industrial & commercial rooftop
- Ground-mount solar farms
- Carports
- Agrivoltaic
- Solar water pumping

STRENGTH 550 MPa high-yield steel	LONGEVITY Corrosion-resistant finishes	PRECISION Weld-free, pre-punched builds
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BACKED BY
Topaz Products Pvt. Ltd. — a name in iron & steel trading across Central India for 35+ years, supplying our raw material and material expertise.

WHY MYROOF

01

550 MPA YIELD STRENGTH
High-tensile material rated for superior load-bearing capacity across every profile we roll.

02

CORROSION RESISTANCE
Available Pre-Galvanized, Hot-Dip Galvanized, or Galvalume — matched to your site conditions.

03

WELD-FREE PRECISION
Pre-punched holes and slots on every run, for rapid, tool-light assembly on site.

04

HIGH-CAPACITY PRODUCTION
High-speed roll-forming lines hold delivery schedules for single rooftops and full solar parks alike.

"Built to withstand the harshest weather conditions — the pillars of strength beneath every solar project."

MANUFACTURING CAPABILITIES

📍 **BHOPAL, MADHYA PRADESH**

Every myROOF section starts as raw coil and leaves our Bhopal facility as a finished, pre-punched structure. Coil slitting, cut-to-length, and roll forming are all done in-house — owned and operated end-to-end by Vivaan Innovation.



COIL SLITTING

Bhopal's first dedicated coil slitting line converts master coils into precise, burr-free strips ready for every profile we roll.

0.30–3.50 mm · up to 1,600 mm width · HR / CR / GP



CUT TO LENGTH

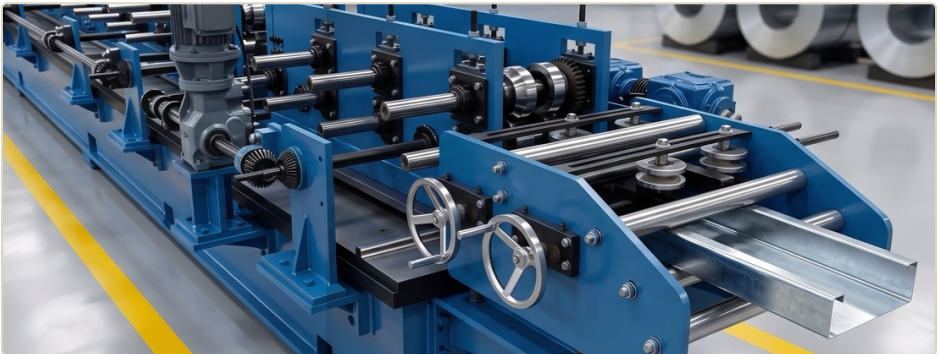
Two automatic lines with coil-set correction hold flat, consistent sheets at production scale.

HR to 12 mm · CR/GP 0.30–3.5 mm · up to 2,000 mm width



ROLL FORMING

Specialized roll-forming machines shape, punch and cut every custom section in a single continuous pass.



PRODUCT PORTFOLIO

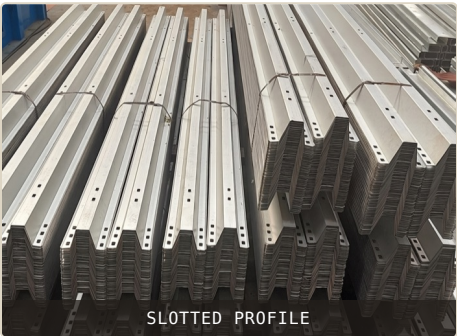
HAT SECTIONS

Omega profiles — the rooftop specialist

Designed for rooftop applications, the HAT (omega) profile delivers a high strength-to-weight ratio and acts as a sturdy, weather-tight interface between the roof sheet and the solar module — without compromising the roof's waterproofing. Beyond mounting rails, the same section doubles as inter-row bracing, holding consistent dimensional accuracy across the array.

PROFILE	HEIGHT	WIDTH	LIP
H70	35 mm	70 mm	20/25 mm
H80	40 mm	80 mm	20/25 mm
H100	50 mm	100 mm	20/25 mm

Thickness 0.7–1.5 mm · custom sizes and slot patterns available on request.



PRODUCT PORTFOLIO

C & U PURLINS

Structural integrity for solar parks

For utility-scale ground-mounted solar farms, agrivoltaic installations and carport structures, our C and U purlins provide the primary structural support — fully customizable, weld-free, and built for superior durability in outdoor environments. The same sections also serve as roof and wall purlins in PEB (pre-engineered building) sheds.

PROFILE	WEB	FLANGE	LIP
C80	80 mm	40 mm	15–20 mm
C96	96 mm	48 mm	15–20 mm
C140	140 mm	50 mm	15–20 mm
C150	150 mm	60 mm	15–20 mm

Available in 40–200 mm width and 1.0–2.5 mm thickness — solid or slotted, sized to your project.



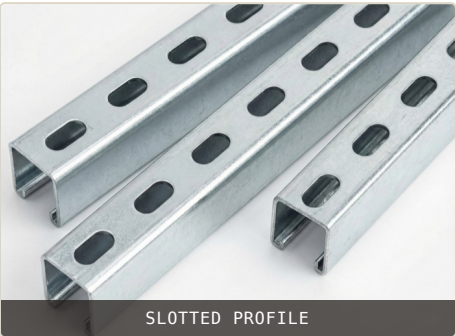
PRODUCT PORTFOLIO

STRUT CHANNELS

Versatile, slotted & weld-free

The industry standard for rapid solar-module mounting rails. Precise, evenly spaced slotting gives installers full flexibility to position and adjust modules on site, with no welding or custom drilling required.

FINISH	Galvanized 80–275 GSM · Galvalume AZ70/AZ150
PROFILE	41 × 41 mm (standard)
THICKNESS	1.2 / 1.4 / 1.5 / 1.6 / 2.0 / 2.5 mm
LENGTH	Standard & customized



PRECISION SERVICES

LASER CUTTING SERVICES

6 kW fiber laser · Fanuc CNC · Precitech head

State-of-the-art 6 kW fiber laser cutting delivers exceptional precision across a wide range of steel grades and thicknesses. Equipped with a Fanuc controller and Precitech laser head, the system ensures consistent quality on every cut — from intricate sheet components to heavy structural blanks. Nest-optimized cutting keeps material waste low, with minimal dross and no secondary finishing required.

LASER POWER	6 kW
BED SIZE	2,500 × 6,500 mm
THICKNESS	1.00 – 25 mm
CONTROLLER	Fanuc CNC
LASER HEAD	Precitech
TOLERANCE	± 0.1 mm
MATERIALS	MS, HR, CR, Stainless, GI

ALSO SERVING

- Automotive components
- Electrical panels & enclosures
- Agricultural machinery
- Structural elements
- Decorative metalwork





VIVAAN INNOVATION PVT. LTD.

LET'S BUILD SOLAR'S FOUNDATION, TOGETHER.

REGISTERED OFFICE & WORKS

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Vivaan Innovation manufacturing facility – Bhopal, MP

Trusted by Solar Suryaghar vendors, EPC contractors and direct customers across India.

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