



SERVING STEEL
BUILDING NATION

A TRUSTED BRAND OF
MAHAWAR GROUP
(ESTD 1990)



www.mahawarprefab.com

Pre-Engineered Buildings &
Structural Steel Manufacturer



ABOUT US

Mahawar Prefab Solutions (MPS), a flagship company of Mahawar Group, is a trusted name in the construction industry, offering complete structural solutions under one roof. With expertise in Pre-Engineered Buildings (PEBs), roofing solutions, and a wide range of iron & steel products, we cater to diverse industrial and infrastructure needs.

Our product also includes C&Z Purlins, Puf panel, Deck Sheet, MS Angles, Channels, Flats, Beams, and Bars manufactured with precision to meet the highest standards of quality and durability. Alongside, our flagship DataShyne Roofing Sheets provide reliable and aesthetic roofing solutions for modern projects.

Headquartered in Mandi Gobindgarh, Punjab, we serve clients across Punjab, Haryana, Himachal Pradesh, J&K, Leh Ladakh, Delhi NCR, and Uttar Pradesh. Over the years, we have earned a reputation for on-time delivery, customer-centric service, and sustainable practices.

At Mahawar Prefab Solutions, our mission is clear — to build stronger, smarter, and greener structures for the future.

THE BRAND STORY



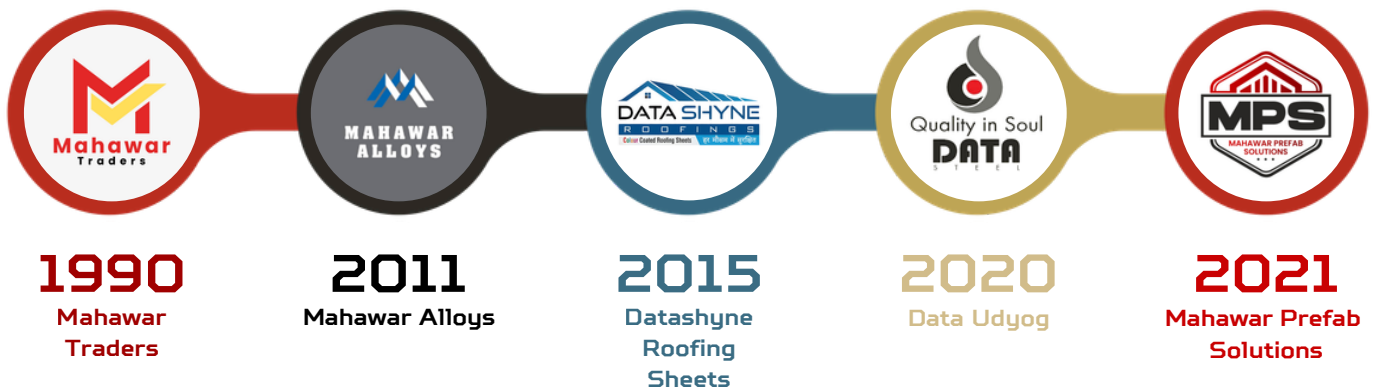
Managing Director's

Welcome to Mahawar Prefab Solutions

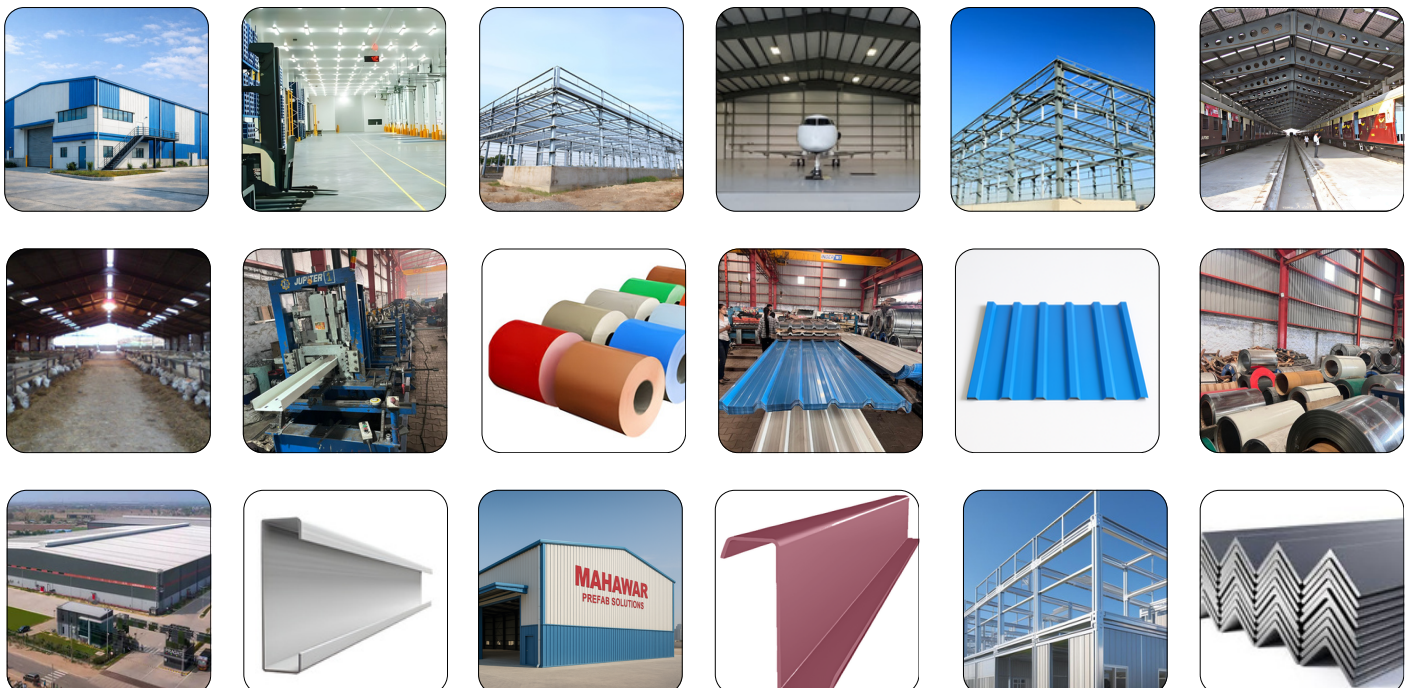
Founded with a vision to modernize steel construction, Mahawar Prefab Solutions has grown into a trusted name in the prefab industry. Our journey is built on innovation, technical excellence, and timely delivery across industrial and commercial projects.

We provide end-to-end steel building solutions including Pre-Engineered Buildings, industrial sheds, warehouses, color-coated roofing sheets, and structural steel fabrication. Our turnkey approach ensures efficient execution, superior quality, and lasting performance.

A Legacy of Excellence Under the Mahawar Group Umbrella

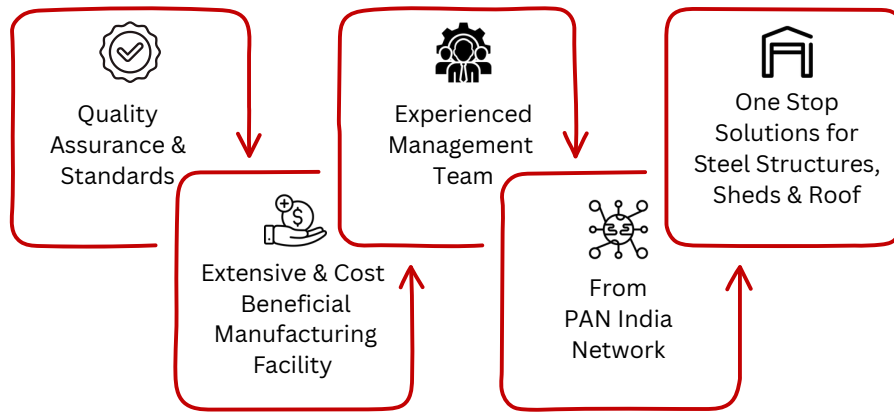


Our Services & Core Expertise



Why Us

We value our relationship with our customer as strategic, long-term, and enduring. **MAHAWAR PREFAB SOLUTIONS** is an organization where the atmosphere is professional and the culture is warm, open and friendly. Reasons to choose **MAHAWAR PREFAB SOLUTIONS** are :-



Product Basket

PEB (PRE ENGINEERED BUILDINGS)

Pre-Engineered Buildings (PEBs) are structures designed, fabricated, and assembled using prefabricated components such as columns, beams, and roof trusses, before being transported to the construction site for final assembly. The process involves meticulous planning and engineering, resulting in a faster and more efficient construction process compared to traditional methods.



AIRCRAFT SHED



ANIMAL SHED



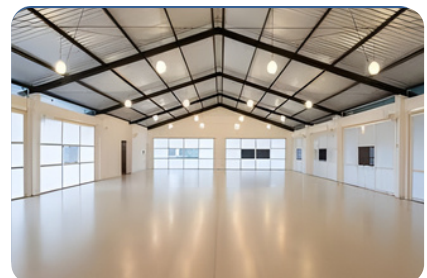
INDUSTRIAL SHED



WAREHOUSE SHED



RAILWAY SHED



MARRIAGE PALACE SHED

PEB vs. Traditional Building

The choice between Pre-Engineered Buildings (PEBs) and traditional construction methods hinges on factors such as cost efficiency, construction time, structural integrity, and sustainability considerations. In this section, we will compare Pre-Engineered Buildings with traditional construction methods.

Feature	Pre-Engineered Buildings (PEB)	Traditional Construction
Future Expansion	Modular design allows for easy and cost-effective expansion.	Expansion may require significant structural modifications and higher costs.
Erection Simplicity	Components are pre-fabricated and ready for quick assembly, reducing construction time and labour costs.	Involves on-site assembly of components demanding more time and skilled labour.
Single Point Responsibility	A single entity manages the entire process from design to erection, ensuring better coordination and quality control.	Involves multiple stakeholders, leading to potential coordination challenges and higher management effort.
Construction Time	Significantly faster due to prefabricated components and minimized on-site work.	Longer due to sequential nature of tasks and potential for weather-related delays.
Cost Factor	Generally more cost-effective due to standardized, efficient processes and reduced labour and material wastage.	Can be higher due to labour intensity, longer timelines, and unpredictability of on-site work.
Flexibility and Design	High degree of customization available, though some limitations based on modular design principles.	Offers a higher degree of design freedom and aesthetic choices at potentially higher costs.
Structural Integrity and Sustainability	Engineered to high standards with potential for better sustainability through material efficiency.	Dependent on design and materials used; can be sustainable but may require more resources.



Concept of PEB

Mahawar Pre-Fab building system is custom-designed to meet client requirements. The basic building parameters are:

BUILDING DIMENSIONS

The distance between the outside flanges of end wall columns in opposite end walls is considered the building length.

End bay length is the distance from outside of the outerflange of end wall columns of the centerline of the first interior frame columns.
Interior bay length is the distance between the center lines of two adjacent interior main frame columns. The most economical bay length is 6m or 2.5m. However, bay length up to 15m is possible

ROOF SLOPE (X/10)

This is the angle of the roof with respect to the horizontal. The most common roof slopes are 1/10 and 1/20, though any practical roof slope is possible as per customer's requirements.

BUILDING HEIGHT

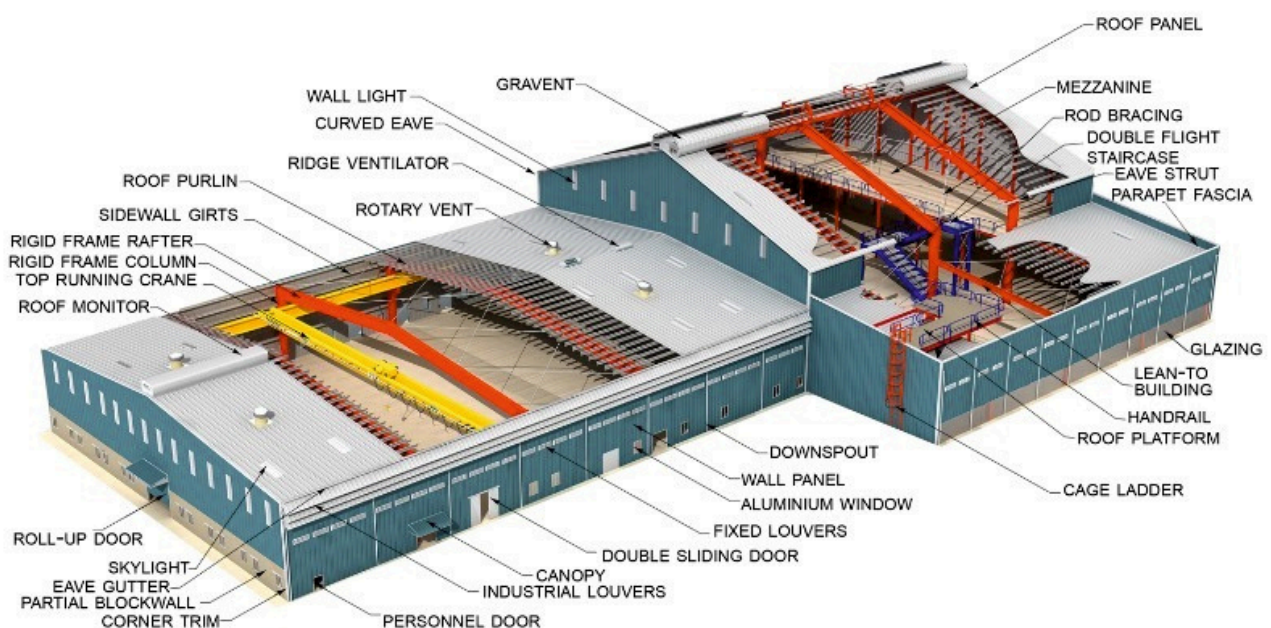
Building height is the Eave height which usually is the distance from the bottom of the mainframe column base plate to the top outer point of the eave strut. Eave heights up to 30m are possible.

When columns are recessed or elevated from the finished floor, eave height is the distance from the finished floor to the top of the eave strut.

ROOF LIVE LOADS

0.75kN/m² Design for snow loads, seismic loads collateral loads, or any other local climatic condition (if required) must be specified at the time of quotation.

Loads are applied in accordance with the latest American codes and standards applicable to pre-engineered buildings unless otherwise requested at the time of quotation.



High-Performance **Color Coated** Roofing Sheets

From industrial sheds to cold storages, we deliver profile-correct, color-stable roofing—fast. Time-bound logistics, verified brand sourcing, and strict QC at each stage.

Why Choose Our Roofing Sheets?



High Tensile
Strength
(550 MPa)



Available in PPGL,
PPGL, and ZAM
variants



Advanced Coatings:
RMP, SMP, SDP, PVDF



Leak-proof and
long-lasting

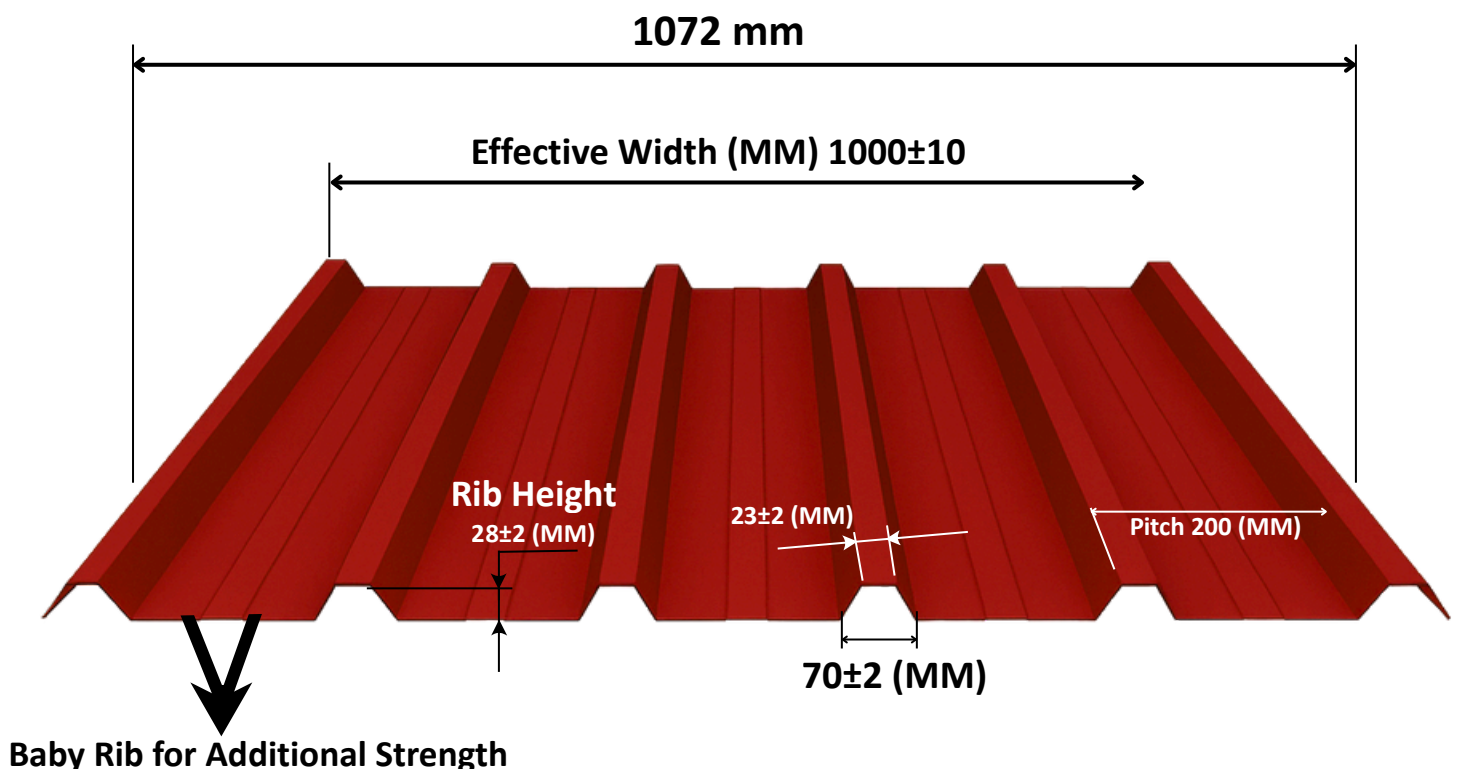


Designed for both
High Rib and
GC Sheets



Superior weather
resistance

Technical Description Of Color Coating Roofing Sheets



Full Product Basket

Roofing - Colour Coated Roofing Sheets/PPGI/PPGL Sheets

BRANDS: AMNS, JINDAL , INDERDHANUSH, JSW, DATASHYNE ETC.



ROOFING SHEETS ARE AVAILABLE IN VARIOUS SHADES:-



RAL 5012



RAL 9002



RAL 6016



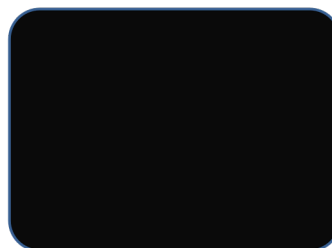
RAL 6028



RAL 6002



RAL 7024



RAL 9005



RAL 1001



SECO - RED



BARE



RAL 2009



RAL 5005

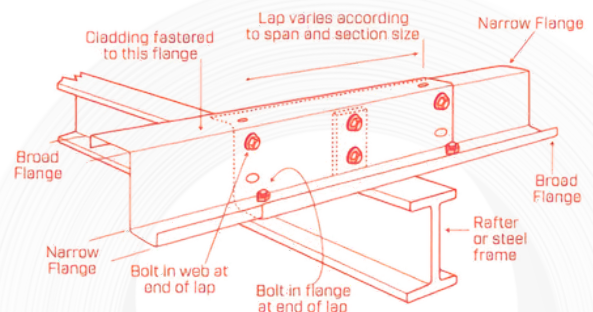
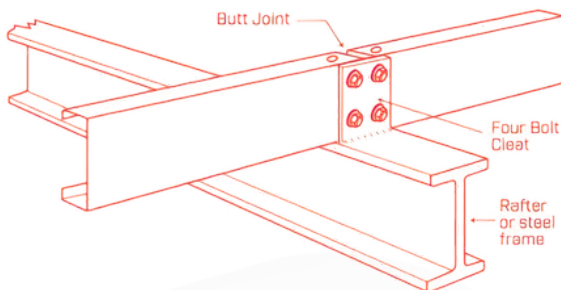
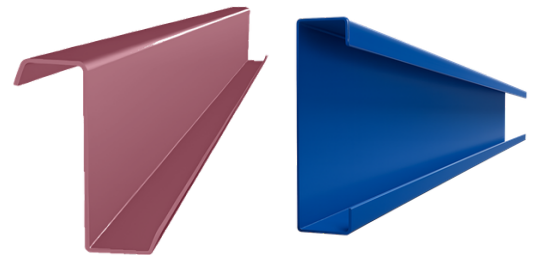
Color Coated/Galvanized Purlin CEE & ZED Section

Powering Roof with Smart Geometry

Purlins are essential structural components in Pre-Engineered Buildings (PEBs), providing lateral support for roof and wall panels.

Parameter CEE & Zed Purlin

Thickness	1.2 - 3.0 mm
Width	125mm - 250mm
Yield Strength	350/650 Mpa
Coating	80 GSM - 275 GSM
Grade	E250-E350
Color	Available in Various Colors



C Purlin vs Z Purlin – Quick Comparison

Feature

Shape

C Purlin

C-shaped cross section

Application

Walls, shorter spans, simple roofs

Lapping

Not suitable for lapping

Strength

Moderate, for lighter loads

Installation

Easier, straightforward

Z Purlin

Z-shaped cross section

Long-span roofs, continuous spans

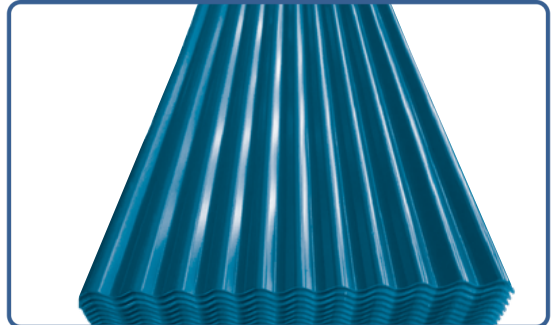
Can be overlapped for extra strength

Higher, for heavy loads & larger spans

Slightly complex due to orientation

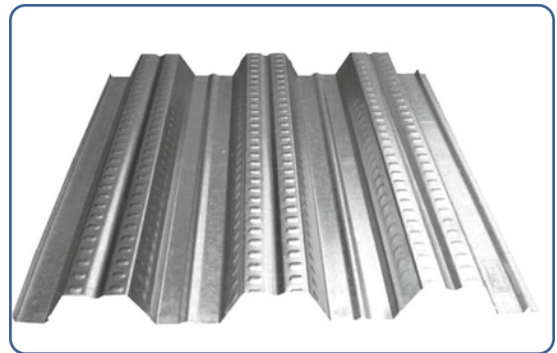
Galvanized Corrugated Sheet

Galvanized corrugated sheets, also known as galvanized corrugated metal panels, are made from galvanized steel, which is coated with a layer of zinc to provide enhanced corrosion resistance and durability. The corrugated design adds rigidity and strength to the sheets, making them suitable for roofing applications and wall cladding in both residential and commercial buildings. These are available in different colors and thicknesses.



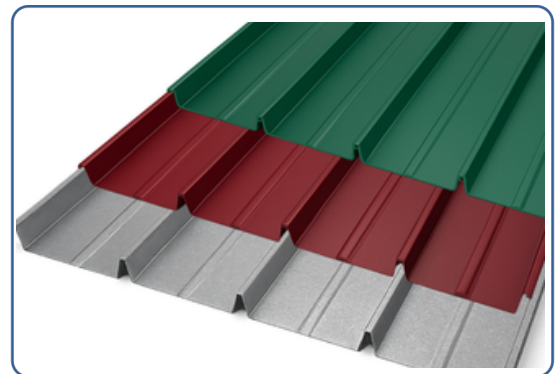
Deck Sheets

Deck sheets are crucial for enhancing the strength and stability of floors in Pre-Engineered Buildings (PEBs). Available from trusted brands such as **JSW, AMNS, TATA and Jindal**, these sheets come in thicknesses ranging from 0.8 mm to 1.4 mm. Made from high-quality galvanized steel, deck sheets provide a strong foundation for concrete slabs, ensuring superior load distribution and structural integrity. Their lightweight design enables easy installation and reduces construction time. Ideal for both commercial and industrial applications, deck sheets deliver durability, cost-effectiveness, and improved overall building performance.



Standing Seam

Standing seamless roofing gives leak-proof, modern roofs for PEB warehouses, factories and long-span sheds. Concealed-fix panels manage thermal movement and minimise maintenance. Standard sizes: cover widths 300–600mm, thickness 0.45–0.60mm, lengths custom up to 12–15m for continuous runs. Compatible with insulation, skylights and solar mounts for efficient, durable envelopes, gutters, fascias.



Tile Sheet

Tile sheets are a type of roofing material used to cover the roof of buildings for protection and aesthetic purposes. These tiles are available in various materials, shapes, and colors, allowing homeowners and architects to choose roofing options that complement the overall design and style of the structure. Roofing tiles have been used for centuries and are known for their durability, weather resistance, and long lifespan.



Puff Panels

PUF panels, also known as PUF (Polyurethane Foam) panels or sandwich panels, are a type of insulated building material commonly used for walls and roofs in construction projects. PUF panels are made by sandwiching a layer of rigid polyurethane foam between two outer layers, typically made of metal or other materials. The combination of the foam core and the outer layers creates a strong, lightweight, and thermally efficient panel.



Pre-Insulated Sheets

Pre-Insulated Sheets are an essential choice for Pre-Engineered Buildings (PEBs), designed to deliver superior thermal, moisture, and acoustic performance. At Mahawar Prefab Solutions, we provide sheets manufactured using premium insulation materials sandwiched between durable outer layers from top steel brands like **JSW, AMNS, Jindal, and Tata**.

In winters, these sheets prevent moisture and dew formation, protecting the structure from potential damage.

During hot summers, they reduce heat ingress, keeping interiors cooler and lowering air-conditioning costs. Additionally, they offer excellent sound insulation, minimizing the impact of rain and outdoor noise.



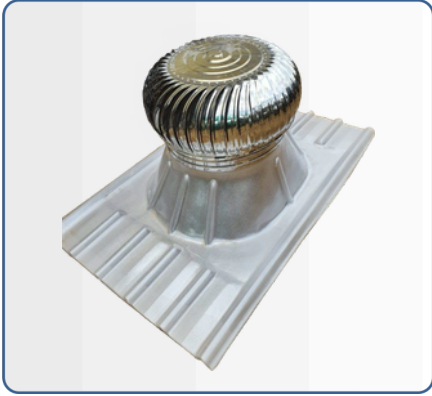
Liner Sheet

Liner sheets are an integral part of pre-engineered buildings (PEBs), providing an additional layer of protection and aesthetic appeal. Installed on the inner side of wall and roof panels, they improve insulation while giving the interior a neat, modern finish.

At Mahawar Prefab Solutions, we supply liner sheets made from premium galvanized steel and aluminum sourced from trusted brands like **JSW, AMNS, Jindal, and Tata**. These sheets ensure durability, resistance to corrosion, and long service life. With multiple thicknesses and finishes available, they can be customized to meet varied design and functional requirements for industrial, commercial, and warehouse projects.



ACCESSORIES



TURBO VENT



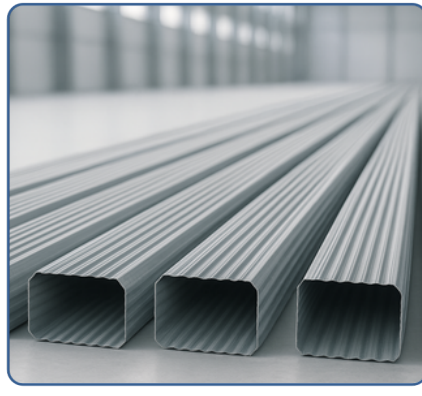
CYCLONE WASHER



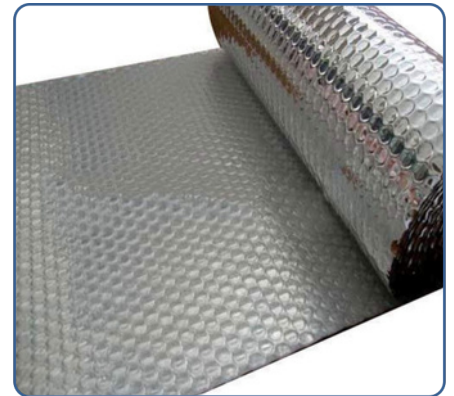
SELF DRILLING SCREW



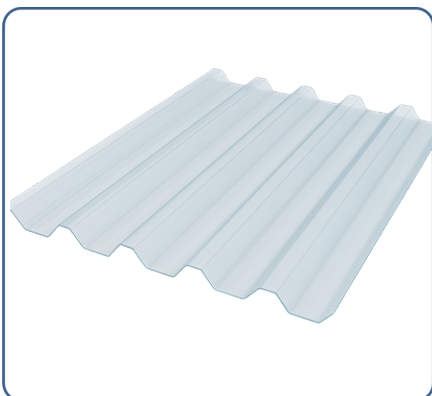
LOUVERS



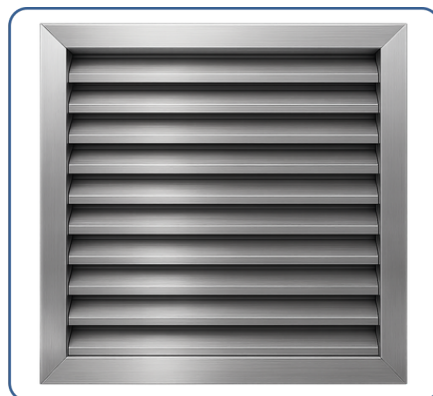
DOWNTAKE PIPE



BUBBLE SHEETS



POLYCARBONATE SHEET

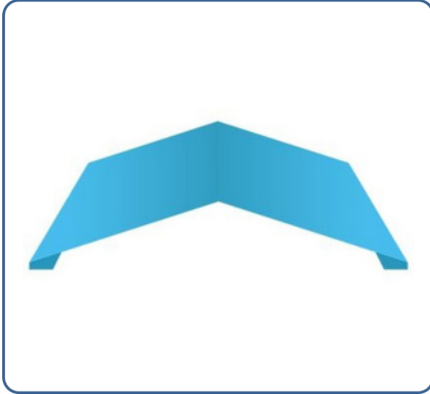


METAL LOUVERS

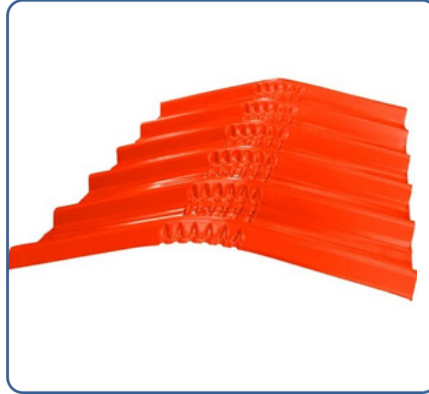


XLPE SHEET

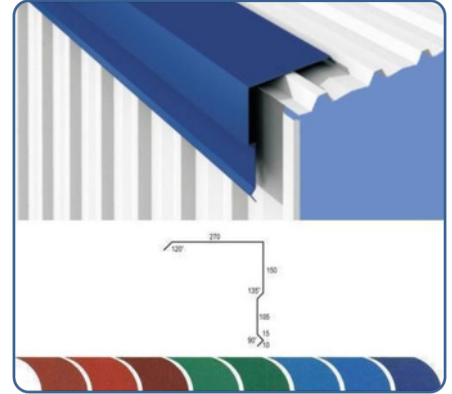
ACCESSORIES



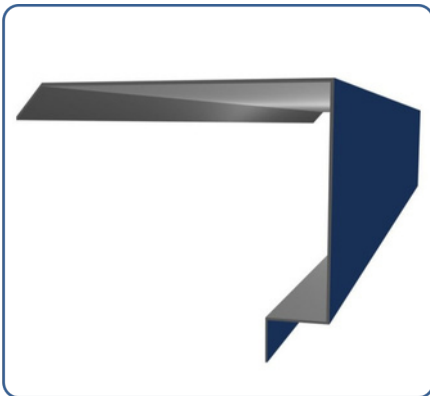
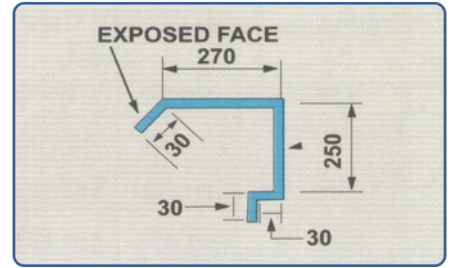
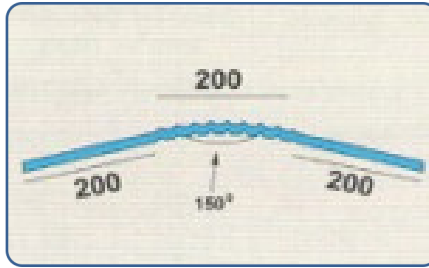
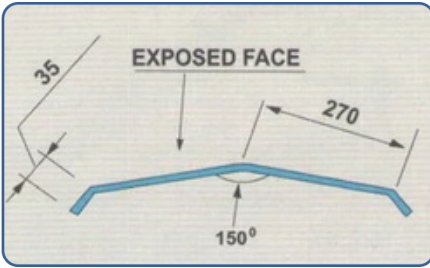
PLAIN RIDGE



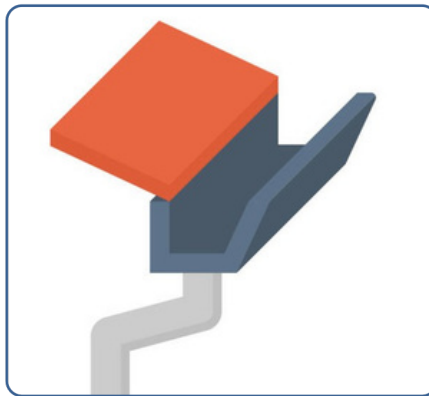
CRIMPED RIDGE



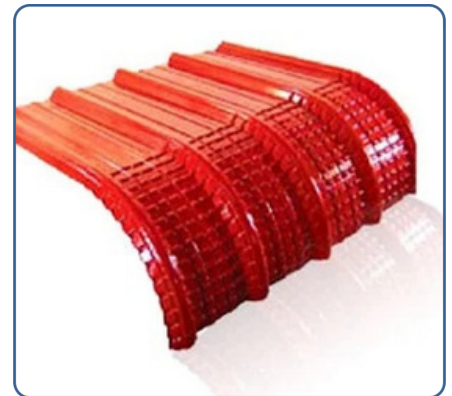
GABBLE END FLASHING



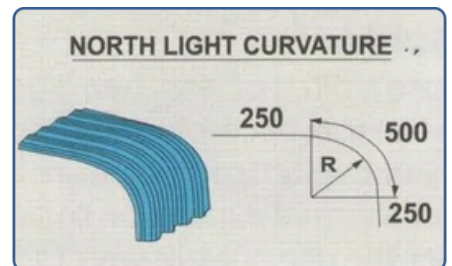
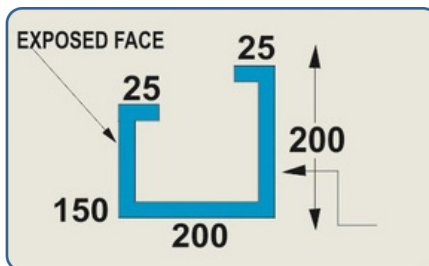
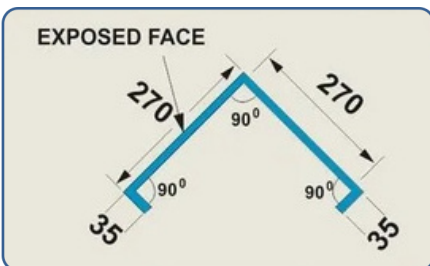
CORNER FLASHING



ROOF GUTTER



NORTH LIGHT CURVATURE



STRUCTURAL STEEL



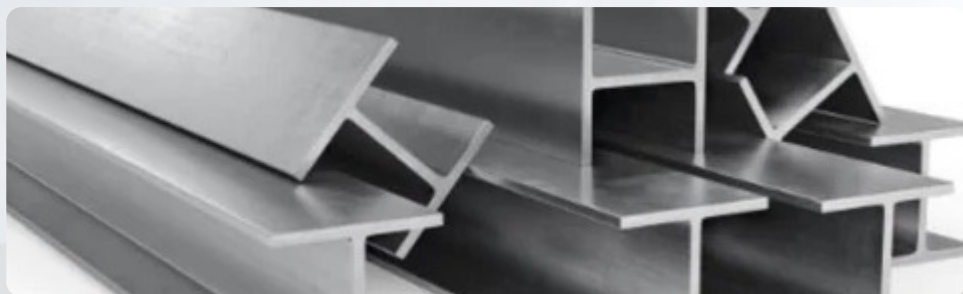
MS Angles / MS Channels

Mahawar Prefab Solutions fulfil complete structural needs of customers. We make MS angles /channels of various sizes under our brand name 'DATASHYNE'. We provide quality assurance by providing a wide range.



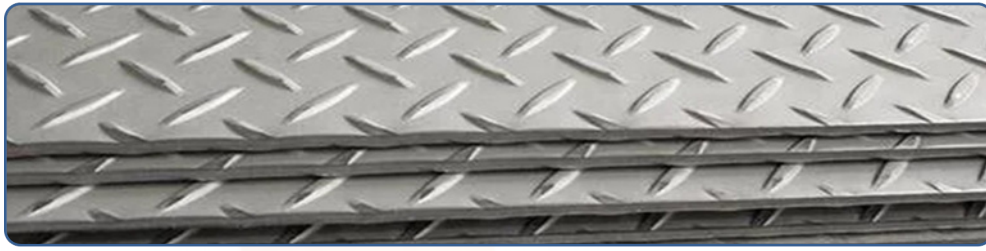
MS Pipes

We are the leading manufacturer, supplier and exporter of MS pipes and tubes with a wide range including round, flat, square pipes etc. which are commonly used for water supply, drainage systems, and various industrial applications.



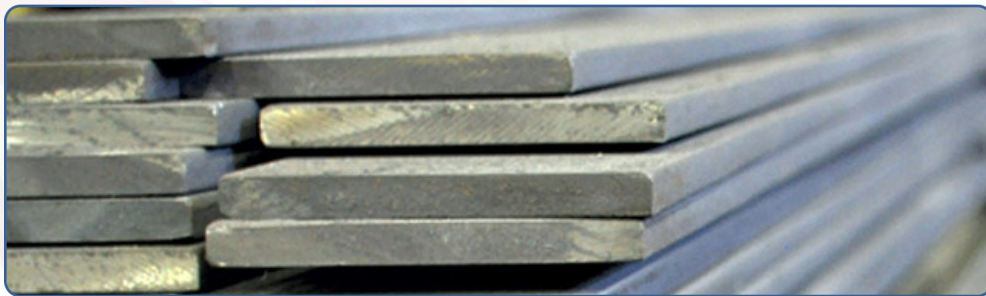
NPB / ISMB

We are also a leading dealer for MS beams which are used in construction due to their versatility, cost-effectiveness, and ease of fabrication. MS beams are typically "I" or "H"-shaped cross-sections, resembling the letter "I" or "H."



MS Plate/Chequered Plate

MS plates as well as chequered plates are available in various thicknesses and sizes, and they find extensive use in different industries and applications. Chequered plates, also known as floor plates, are a type of steel plate with raised patterns or lines on the surface. The patterns typically form a regular grid of diamonds, rectangles, or other shapes, which provide better traction and prevent slipping, especially in areas prone to wet or slippery conditions.



MS Flat/Bars

Customers can also avail MS flats in various widths, thicknesses, and lengths to cater to different requirements. They are typically produced through hot rolling, which involves passing the steel through rollers at high temperatures to shape it into the desired flat profile.



Square Bars & Round Bars

They are available in various diameters and lengths to suit different requirements. Mild Steel square is a type of steel product that has a square cross-section and is made from mild steel. MS squares are available in various sizes and thicknesses to cater to different requirements.

Certificates

Certificate of Registration

This is to Certify that
Occupational Health & Safety Management System of

DATA SHEET & STRUCTURES PRIVATE LIMITED
BEHIND MODERN STEELS LTD., DATA SHEET AND STRUCTURES PRIVATE LIMITED,
SIRHIND SIDE G.T. ROAD, K.L. ROAD, MANDI GOBINDGARH,
FATEHGARH SAHIB - 147301, PUNJAB, INDIA

has been assessed and found to conform to the requirements of
ISO 45001:2018
for the following scope :

MANUFACTURER OF COLOR COATED ROOFING SHEET, CZ PURLINS AND PRE
ENGINEERING BUILDINGS (PEB) .

Certificate No	: 23EOLQ83	
Initial Registration Date	: 08/06/2023	Issuance Date : 08/06/2023
Date of Expiry	: 07/06/2026	
1st Surve. Due	: 08/05/2024	2nd Surve. Due : 08/05/2025



Magnitude Management Services Pvt. Ltd.
Third Floor, A-46, Sector-2, Noida, Gautam Budh Nagar, U.P.-201301, India
e-mail: info@mmscertification.com, website: www.mmscertification.com
* Subject to successful surveillance audits and surveillance audits is not allowed to be conducted, this
certificate shall be suspended/withdrawn.
Certificate Validity: Please Re-check the validity of certificate at <http://www.mmscertification.com> or www.mmscertification.com at Justice Client.
Certificate is the property of Magnitude Management Services Pvt. Ltd. and shall be returned to the company upon demand.



Director

Certificate of Registration

This is to Certify that
Quality Management System of

DATA SHEET & STRUCTURES PRIVATE LIMITED
BEHIND MODERN STEELS LTD., DATA SHEET AND STRUCTURES PRIVATE LIMITED,
SIRHIND SIDE G.T. ROAD, K.L. ROAD, MANDI GOBINDGARH,
FATEHGARH SAHIB - 147301, PUNJAB, INDIA

has been assessed and found to conform to the requirements of
ISO 9001:2015
for the following scope :

MANUFACTURER OF COLOR COATED ROOFING SHEET, CZ PURLINS AND PRE
ENGINEERING BUILDINGS (PEB) .

Certificate No	: 23EQLS86	
Initial Registration Date	: 08/06/2023	Issuance Date : 08/06/2023
Date of Expiry	: 07/06/2026	
1st Surve. Due	: 08/05/2024	2nd Surve. Due : 08/05/2025



Magnitude Management Services Pvt. Ltd.
Third Floor, A-46, Sector-2, Noida, Gautam Budh Nagar, U.P.-201301, India
e-mail: info@mmscertification.com, website: www.mmscertification.com
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Certificate is the property of Magnitude Management Services Pvt. Ltd. and shall be returned to the company upon demand.



Director



सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF
MICRO, SMALL &
MEDIUM ENTERPRISES



CERTIFICATE

ZED BRONZE

under MSME Sustainable (ZED) Certification Scheme
awarded to

DATA SHEET & STRUCTURES PRIVATE LIMITED

UNIT NAME

Flat No:- DATASHYNE ROAD, Building:- SIRHIND SIDE, Road/Street:- NEAR INOX GAS
PLANT, Village/Town:- G.T ROAD, Block:- BEHIND MODERN STEEL LTD., City:- MANDI
GOBINDGARH, FATEHGARH SAHIB, PUNJAB-147301

UNIT ADDRESS

25-Manufacture of fabricated metal products, except machinery and
equipment

CODE (AS PER NIC-2008)

UDYAM-PB-05-0002898

UDYAM REGISTRATION NUMBER

Issued on :
June 14, 2023

Certificate Validity :
Three years from the date of issue





Certificate No. 14062023_040241

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the
MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification Level.
Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.

Our Esteemed Clients

All year, we've grown by keeping three promises: deliver on time, dispatch the full committed weight, and offer the best price for the spec. We double-weigh every load, share transparent challans, and give live updates so sites never wait.

That consistency turned first orders into repeat schedules—and helped our recurring clients finish projects faster, control costs, and scale to new locations with us. Meanwhile, real project stories on social media—quick site reels, before/after posts, and client shout-outs—kept new enquiries coming and expanded our network month after month.

Notable clients we've served include: AFCONS, DCM Nouvelle, Indo Farm Equipment Limited, NHPC Limited, NCC Limited, PepsiCo, Wave Infratech, Leap India, Kapsons, ISC, Uttam Energy, Green Field, Dilip Buildcon Limited, Sapcon Steels, Synergy, Surgitech, GSA, KIET, Klickson Paints, Pushpanjali, D R Builders, and Royal Bakers.



GLIMPSE OF OUR PROJECTS



TAPA MANDI (PB)



SANGRUR (PB)



MACHIWARA (PB)



LUDHIANA (PB)



ZIRAKPUR (PB)



RAJPURA (PB)



SIRHIND (PB)



MORINDA (PB)



SUNAM (PB)



MANDI GOBINDGARH (PB)

*Next
Building
Can be yours*



1800 309 1940

MAHAWAR PREFAB SOLUTIONS —
Serving Steel Building Nation
Contact Us

 +91 9888269454 | +91 8556800185

 info@mahawarprefab.com

 www.mahawarprefab.com

 Datashyne Road, Near Bhagwati Weigh Bridge,
Sirhind Side, Mandi Gobindgarh, Punjab (BHARAT)



SCAN CODE
FOR MORE DETAIL