YOUR INFRA PROJECT SOLUTION

MAKE IN INDIA

INTERNATIONAL CERTIFICATIONS ISO 9001

the shape of things to come

MODERN InfraProjects

INTRODUCTION

Modern Infra Projects is an ISO (9001:2015) certified company. Modern Infra is a leading turnkey solutions supplier in West and North India and has versatile experience in designing, manufacturing, and commissioning of Pre-Engineered Buildings. We offer solutions for major applications including warehouses, heavy industries, infrastructure, high-rise buildings, factories, and leisure structures.

Since its inception in 2014, Our expert team has combined extensive industry knowledge with cutting-edge technology to provide efficient, cost-effective, and durable building solutions. From commercial warehouses to industrial facilities, we pride ourselves on our ability to streamline the construction process, ensuring timely project completion without compromising on quality.

At Modern Infra, we understand that every project is unique. That's why we work closely with our clients to tailor our services, ensuring each structure is optimized for functionality and aesthetics. Our dedication to customer satisfaction, along with our rigorous adherence to safety and environmental standards, sets us apart as a trusted partner in the pre-engineered building sector.

Join us in building a sustainable future with innovative structures designed to stand the test of time.
At the background put plant photos and inner photos

"**Modern Infra Projects. has a production facility at Bagru-Jaipur, Rajasthan with a capacity of 25,000 mt/annum**."

VISION

To empower businesses with efficient, sustainable,
and cost-effective building solutions that drive success.

MISSION

Our MissionTo be the most reliable solution provider in the PEB and structural steel industry, exceeding client expectations through exceptional service and experti

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MODERN
InfraProjects

PLANT AND MACHINERY

- CNC Fiber Laser Cutting Machine
  (Bed size 20m X 4m; up to 50 mm thickness)
- Robotic Multi Head Welding machine for Special jobs.
- Laser Welding Machine.
- Laser Marking Machine.
- Shot blasting machine.
- CNC Drilling Machine.
- CNC Press Brake Machine.
- CNC Plasma Machine.
- CNC Oxy Fuel Machine.
- Spot Welding Machine.
- Radial Drilling Machine.
- Shearing Machine.
- Standing Seam Machine.
- C&Z Purlin Line.
- Sheeting Line.
- End Milling Machine.
- Automatic H Beam Saw Welding Line.
- Airless Spray Painting Machines for special jobs.
- Submerged Arc Welding Machine.
- Multi-head Line Welding Machine.
- Magnetic Drilling Machine.
- SPM Grinders.
- SPM Threading Machine.
- DFT Meter.
- EOT Cranes.

PEB BUILD EVERYTHING THAT YOU NEEDED

Pre-engineered buildings consist of built-up primary and secondary elements, as well as single- or double-skinned insulated wall and roof cladding. A well-braced steel skeleton structure made up of built-up and secondary components is covered with wall cladding and roofing. As a result, we have a weatherproof, energy-efficient, airtight facility that meets consumer needs. International Standards are used in the design of pre-engineered buildings. These are made according to the specifications of the customer and may be equipped with various structural accessories, including as crane beams, mezzanines, canopies, fascia, partitions, and others, to improve the building's aesthetics and functionality.

SECTOR WE CATER

1. INDUSTRIAL BUILDINGS

- Warehouses
- Industrial Sheds
- Factory Buildings
- Cold Storage Buildings
- Clean Rooms
- Poultry Sheds
- Industrial Enclosures

2. INFRASTRUCTURE

- Airport Terminal Buildings
- Aircraft Hangars
- Metro Stations
- Railway Sheds
- Foot Over Bridges
- Shopping Complex
- Petrol Pump Stations

3. INSTITUTIONAL

- School Buildings
- Hospitals
- Hostel Buildings
- Laboratories
- Exhibition Halls
- Office Buildings

4. CONSTRUCTION

- Site Offices
- Staff Accommodations
- Canteen Buildings
- Toilet Blocks
- Guard Rooms

5. SPORT & LEISURE

- Stadiums
- Sports Complexes
- Auditoriums
- Gymnasiums

6. SPECIAL BUILDINGS

- Control Rooms
- Kiosks
- Noise Proof Enclosures
- Multilevel Car Parkings
- GIS Buildings

CONSTRUCTION TECHNOLOGIES WE OFFER

PRE ENGINEERED BUILDINGS

Warehouses
Factory Sheds / Industrial Buildings
Multi-storey Buildings
Commercial Buildings etc...

PREFABRICATED STRUCTURES

Accommodations
Schools/Hospitals
Construction Site Offices
Relief Camps etc...

LGSF BUILDINGS

High Rise Buildings
Transit Camps
Office Buildings
Villa / Cottages etc...

INSULATED SANDWICH PANELS

PUF Insulated Panels
EPS Insulated Panels
ROCKWOOL Insulated Panels
GLASSWOOL Insulated Panels

Green Intiative by MODERN INFRA

The demand for eco-friendly construction has grown recently. Individuals across different sectors are focused on sustainable objectives. It has been noted that buildings use a significant portion of resources and energy. By choosing pre-engineered steel structures, we are safeguarding our environment

1. Recyclable

Steel is the primary material utilized in the fabrication of pre-engineered buildings. It eradicates the detrimental effects Linked with concrete and cement.

2. Heat Island Effect

MIS Smart build employs metal roofing panels that possess a high solar reflectance index (SRI). These panels reflect a significant portion of sunlight, leading to reduced energy usage.

3. Sky Light

Natural sunlight is permitted to enter the structure to ensure sufficient lighting throughout every area of the building during daylight hours.

4. Heat Island Effect

MIS facilitates the installation of solar panels and solar water heaters on rooftops, assisting customers in fulfilling their power needs and resulting in reduced emissions.

Project Management
MODERN INFRA

The project management team oversees comprehensive project control, risk management, and the upkeep of project management systems for the whole organization. seamless execution of projects.

NEW PROJECT

MILESTONE & TASK ALLOCATION

RESOURCE MANAGMENT

DATA ANALYSIS

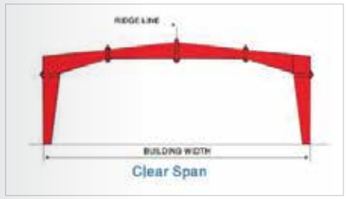
REPORTS

PROJECT CLOSED

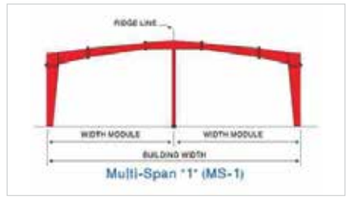
PRIMARY FRAMING MEMBERS

Primary build-up members (H-Beams) are made by gas-cutting HR steel plates in the requisite diameters and according to ASTM A572 Grade 345 Mpa. These plates of varying diameters are welded together on one side by continuous welding and the other side by stitch welding at regular intervals to form a H*-beam. Because they are custom-built parts, almost any size may be created to meet design specifications. Splice plates are welded to the ends of several Hbeam sections. These H-beam pieces are joined together by fastening the splice plates to form a full frame assembly.

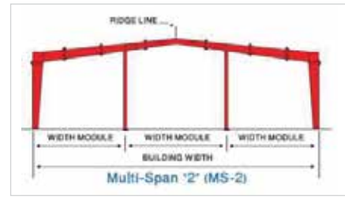
The primary members are offered in high-grade steel with a minimum yield strength of 345 Mpa.



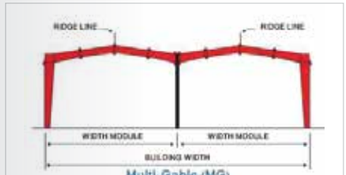
Clear Span



Multi-Span "1" (MS-1)

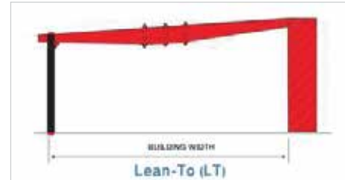


Multi-Span "2" (MS-2)

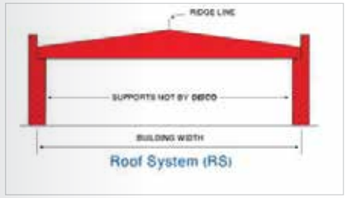


Multi-Gable (MG)

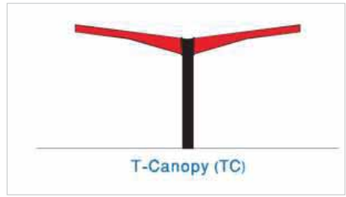
Single Slope (SS)



Lean-To (LT)



Roof System (RS)


T-Canopy (TC)

MEZZANINE SYSTEM

The standard mezzanine system is a mix of profiled GI steel deck and built-up. primary beams, mezzanine joists, and intermediate support columns. Built-up beams span lateral directions, whereas mezzanine joists span longitudinally and are fastened to the flanges of the beams. A final surface is formed by casting a concrete slab on the steel deck. Shear buttons are supplied on the deck panel to ensure good bonding of the concrete and deck panel. Steel checkered plates can also serve as top surfaces.

Mezzanine systems are utilized in industrial buildings to provide additional storage and office space within the building itself.

A mezzanine is a low-cost, time-efficient technique to add storage space to any new or existing structure. Mezzanines increase floor area by moving up rather than out, saving you the significant expense of new construction. The prefabricated design also saves time because all components are delivered premade and ready for rapid installation.

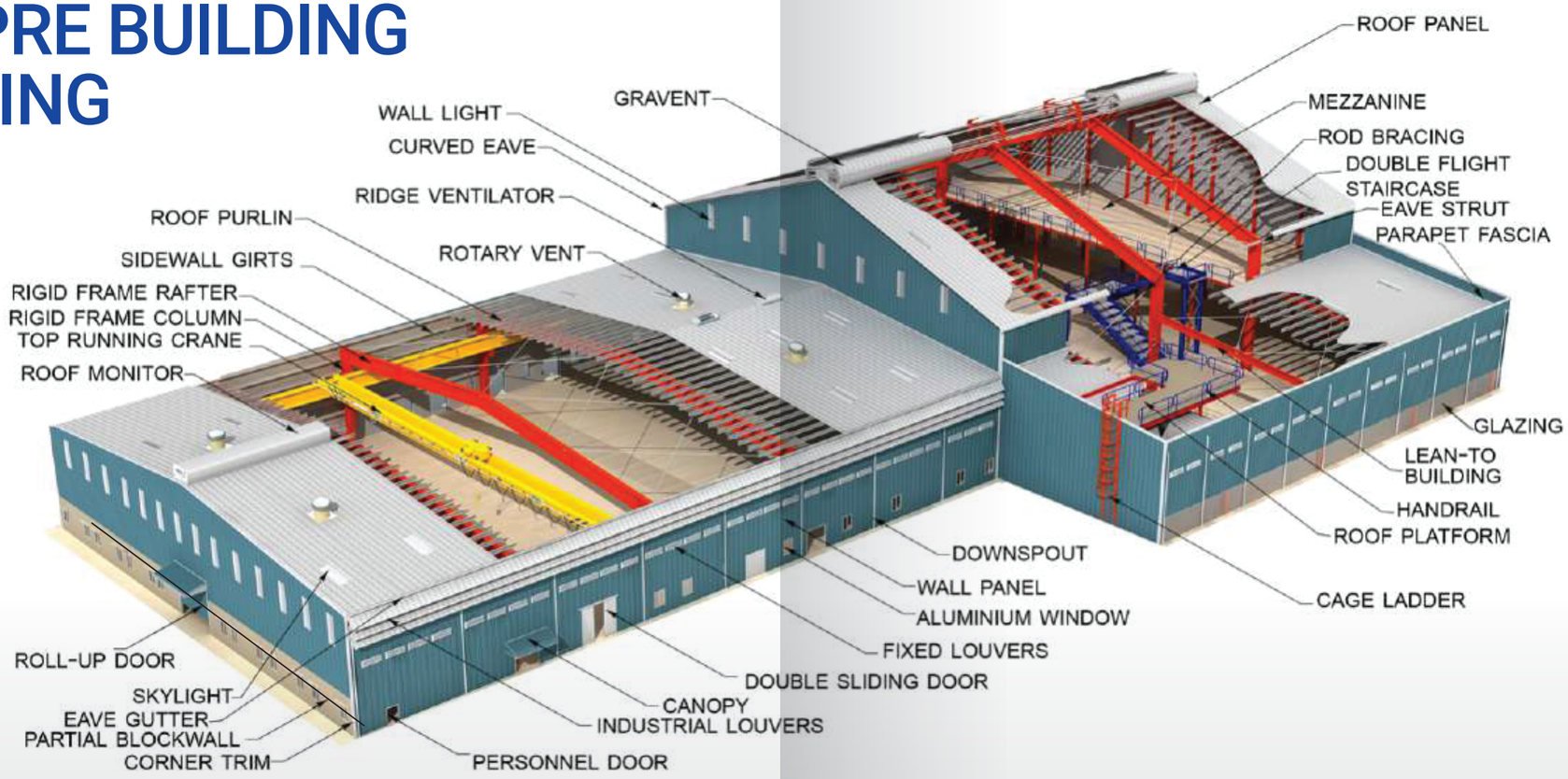
MULTISTORY STEEL BUILDING

In Western nations, pre-engineered steel building technology is widely used in multistory construction. The use of Pre Engineered Steel Buildings in Multistory building in India is getting more common due to technological dvancements in the field and the advantage of shorter construction times. Modern Infra Projects provides a full solution for the design, manufacture, and execution of these Steel Multistory Buildings in accordance with international quality standards.

ADVANTAGES OF STEEL MULTI-STORY BUILDING

- Construction is faster and less time consuming than RCC.
- Efficient and hassle-free implementation on location.
- Compared to RCC, larger spans without intermediate columns may be produced more efficiently.
- Steel buildings require a lighter foundation due to their lower weight compared to
- RCC, resulting in cost savings.
- Steel buildings are more easily expanded and modified.
- Earthquake-resistant design.

TYPICAL PRE BUILDING ENGINEERING



ROOF & WALL ENVELOPE SOLUTIONS

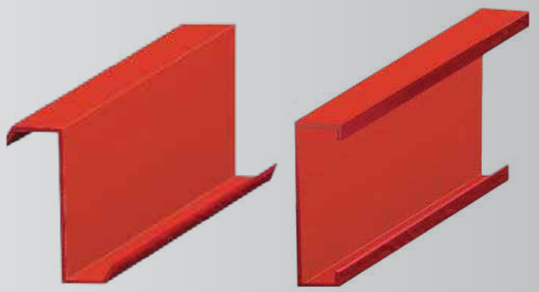
INSULATED SANDWICH PANELS

sandwich panels consists of two layers of metal or other rigid materials with a layer of insulation sandwiched between them.These panels are made by bonding the three layers together under high pressure, creating a strong and durable structure that is effective at insulating a building against Heat, Cold and Fire. MIS sandwich panels are often used in the construction of walls, roofs, and floors in a variety of buildings, including Industrial, Commercial, and Infrastructure structures.

SECONDARY MEMBERS

Purlins, girts and eave struts are secondary structural members used to support the wall and roof panels. Purlins are used on the roof; girts are used on the walls and eave struts are used at the intersection of the sidewall and the roof.

Purlins, girts and eave struts are available in high grade steel of minimum yield strength of 345 MPa in 1.5 mm to 2.5 mm thicknesses. These members come with a pre-galvanized finish or with a coat of Zn chromate primer for corrosion protection.



TYPICAL Z SECTION

ROOFING AND WALL CLADDING

Roofing and wall cladding panels are 0.5 mm thick and made of 550 Mpa galvalume material.Standard roof panels are comprised of bare Galvalume, whereas wall cladding panels are color coated Galvalume. The panel paint film thickness is 25 microns on the outside weather face and 5-7 microns of PU compatible epoxy primer on the inside face.

The sheeting material has a hot dip metallic coating of Galvalume 150 gm/m2 total, AZ 150, according to ASTM A792 or AS 1392, and the walls are covered with a 25 micron regular modified polyester paint system applied on Zincalume.Modern Infra projects provide a variety of -2 colors in wall cladding p

BUILDING ACCESSORIES

Canopy

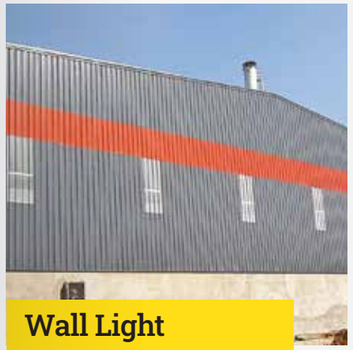
Fascia

Insulation

Ridge Vent

S Type Louvers

Sky Light



Wall Light

Wall Opening

Turbo Vent

ADVANTAGE OF PRE ENGINEERED BUILDING

- Construction is completed much faster than with conventional methods.
- A cost-effective and economical construction option.
- With effective pricing, broad clear spans with fewer columns are easily achievable.
- Pre-engineered buildings provide excellent flexibility for future expansions and alterations.
- Long durability with little maintenance costs.
- Steel's recyclable characteristics make pre-engineered building construction environmentally friendly.
- Clients benefit from a hassle-free construction process with a single supplier for pre-engineered buildings.
- Because production occurs in a factory-controlled environment, the highest quality requirements are maintained.

TURNKEY SOLUTIONS

MODERN INFRA PROJECTS provides cost-effective and comprehensive solutions to our clients, including civil and structural PEB work, allowing them to have their building solutions all under one roof. With our knowledge and wide experience in the construction sector, we would want to provide one-of-a-kind services that will help our clients complete their projects professionally. We execute Civil Structural Construction Works from the foundation stage to the completion stage, which includes all types of concrete and brick constructions such as concrete foundations, concrete columns, brick masonry, and flooring as

SCOPE OF WORK:

- Foundations
- Substructures
- Super Structures
- Masonry Works & Plaster
- Flooring Work

Why choosing **Modern Infra Projects?**

SINGLE WINDOW SOLUTION Consultancy, Design, Fabrication, Erection	MIP is able to offer a complete process of high-quality steel structure, including consultancy, design, fabrication & erection. This integrated the production process will bring to our customers huge advantages of an optimal solution, high quality products and perfect customer services.
FAST DELIVERY & ERECTION	Buildings are designed with low engineering complexity can be designed, detailed, fabricated, and shipped from our plant in less than 6 weeks. We work closely with our clients to meet their delivery targets.
SAFE & COST EFFECTIVE DESIGN SOLUTION	Advanced and customized software determines the exact position of each part of the structure. Combination of structural strength with optimum use of steel to ensure the safety and longevity of steel structure.
ADVANCED MANUFACTURING FACILITY	State of Art factory that manufactures all the PEBs components under one roof, with the help of advanced CNC based Cutting, Welding and Forming machine which provide precise and fast production of PEB structure with the high quality control.
STANDARD & HIGH QUALITY MATERIAL	MIP mainly use high-grade materials for building components and offer quality products. Our material specifications always meet the industry requirements. We use high strength steel of yield strength from 345MPa for all the Primary Member & secondary member, 550MPa grade material is used for Roofing.
QUALITY ASSURANCE	Quality check of strength and appearances carried out at every stage and every piece of manufacturing to execution to ensure the excellent end product with high durability.
FUTURE EXPANSION	Since all the member of structure such as Columns, Endwall posts, Rafters & other main support members are connected with the bolts so expansion of PEB structure is easy and simple by adding additional bays. Also, expansion in width and height is possible by pre-designing for future expansion.
PERFECT CUSTOMER SUPPORT AND SERVICES	With the regular attendance of the project management board to serve customer's from the beginning to the final stage of project, customers can be sure of the quality, on schedule progress and guaranteed service.

Project **Work Flow**

Identifying Customers need	Develop possible solutions & select promising one
Providing Quotation with promising solutions	MIP offers best proposal with Promising solution to all kinds of PEB structure
Finalizing deal and Receiving Purchase order	MIP's experience Design, Fabrication & Erection team Start planning to Complete project in optimum tim
Getting Approval of general Arrangement drawing from Customers	After approval of GA drawing detail Design drawing and erection drawing will be prepared.
Fabrication and Supply of Structural Material	All the Fabrication Work is done By CNC. Cutting, Welding, Forming Systems, etc.
Erection Process	Providing Quotation With Promising Solution
Work completion certificate from Customer	A project completion certificate is issued when a project is completed in its entirety with fully satisfaction from customer

PROJECTS

BRIGHT METALS - Rengus

AGGARWAL STAHL IMPEX - Sonipat

PROJECTS

DILIP CERAMIC - Jaipur

ARL INFRA TECH - Jaipur

PROJECTS

PRECISION AUTO FOUNDARY - Kala Dera

RATAN IMPRINTS - Phagi

PROJECTS

PIDILTE - Alwar

CONCOR - Khtuwas

PROJECTS

Harley Davidson
Jaipur

Amzaon
Lucknow

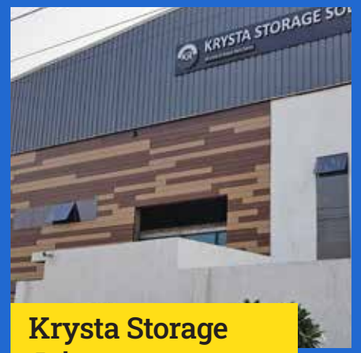
Vijay Solvex
Alwar

Bansal Oil
Jaipur

Gastag
Jaipur

J S Polypack
Alwar

Kath factory
Neemrana



Krysta Storage
Jaipur

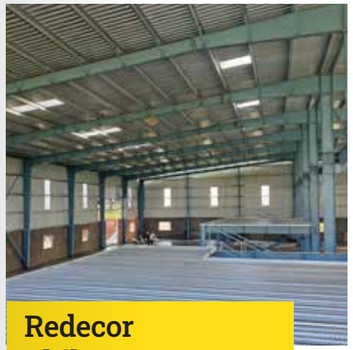
Pacific Quartz
Dudu

PROJECTS

Pangea Stone
Jaipur

Zudio
Jaipur

R K Warehouse
Jaipur



Redecor
Bhilwara

Rishab Digital
Jaipur

RTD
Rengus

Shree Krishan Urja
Newaie

MNSV
Jaipur

Universal Auto
Foundary - Rengus

OUR PATRONS

TATA Zudio
ARL Infratech Ltd.
Bright Metals 1968
GOLDEN HARVEST WAREHOUSING LLP
PAAVAN Ecofriendly Tableware
VAISHALI METALS AN ISO 9001:2015 CERTIFIED COMPANY PVT. LTD.
कनकधारा
MAMA
LNA InfraProjects Pvt. Ltd.
HONDA
mnsv CORPORATION
Mount Litera Zee School
OSWAL CABLES
PACIFIC STONES
Pidilite
Spinny
Gyan
Coca-Cola
Precision AUTOCASTINGS PRIVATE LIMITED
UltraTech CEMENT The Engineer's Choice
UNIVERSAL AUTOFOUNDRY LIMITED
HARLEY-DAVIDSON MOTOR CYCLES
URJA
Vijay Solvex Limited

OUR ACHIVMENTS

100+
HAPPY CUSTOMERS

2500000
AREA COVERED (SQ FT)

200+
PROJECTS DELIVERED

10+
EXPERIENCE (YEARS)

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