



KAMDHENU BUILD TEC

PRE ENGINEERED BUILDING SOLUTION



ABOUT **KAMDHENU** GROUP



KAMDHENU Nxt



KAMDHENU PIPES



STRUCTURAL STEEL



**BARBED WIRE &
CHAIN LINK FENCE**



KAMDHENU WIREBOND

The story of hard work and success started in the year 1995, where a creative young individuals started working in a production unit and instigated this expedition into India's steel sector with a single reinforcement steel bars manufacturing unit at Bhiwadi in Rajasthan. Kamdhenu brand which reverberates with strength, durability, and dependability has registered the utmost brand recall in the construction industry.

The hard slog and uphill struggle soon, within the flashes of year brought the journey to a milestone with Kamdhenu, where the business took shape of a company of towering reputation, in the Indian steel market.

What started as a single manufacturing unit has now twigged into more than 100 manufacturing units under license user agreements across the country and the string seems to be getting longer.

Conferred with prestigious awards such as World's Greatest Brands 2015 Amongst Asia & GCC ; Asia's Most Promising Brands 2015-16 By World Consulting & Research Corporation ; Indian Power Brand 2016 & 2019-20 ; World's Greatest Brands 2017-18 Amongst Asia & GCC ; Icon of Trust Extraordinaire Brand 2020-22.

Kamdhenu's technological improvements over the years has contributed immensely to the enhancement of quality of life through various new products. One such revolution is though the Pre – Engineered Buildings (PEB) whose origin can be traced back to last four decades, though its potential has been felt only during the recent years. This was mainly due to the development in technology, which helped in computerizing the design. A recent survey by the Metal Building Manufacturers Association (MBMA) shows that about 60% of Non-Residential low rise building in USA are PEB's.

PEB are steel structures built over a structural concept of primary members, secondary members, roof & wall sheeting connected to each other and various other building components. The building can be provided with skylight, wall lights, turbo vents, ridge ventilators, roof monitors, doors & windows trusses, mezzanine floors, fascias, canopies, crane system, insulators etc.

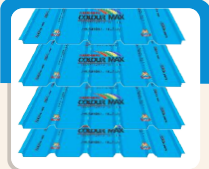
Based on customers' Requirements, these buildings are custom designed to be lighter in weight & high in strength. They are also economical in cost, factory controlled quality, durability, longevity, flexibility in expansion, environment friendly, faster installation etc.



KAMDHENU K+SCREW



KAMDHENU SHRESTH



COLOUR COATED METAL SHEETS



KAMDHENU BUILD TEC (PEB)



KAMDHENU PAINTS

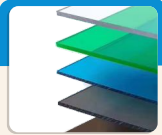


Unmatched Quality, Strength & Versatility

POLYCARBONATE SHEETS



EMBOSSSED SHEETS



SOLID SHEETS



DIAMOND SHEETS



KAMDHENU BUILD TEC
PRE ENGINEERED BUILDING SOLUTION

KAMDHENU STEEL DOOR & WINDOW FRAMES



DOOR FRAME



WINDOW

VISION AND MISSION

Dream → Action → Difference

Turning vision into reality through faith, determination, and dedication.

Vision 2030

Global presence through alliances, acquisitions & decentralized production.

Mission:

Deliver “Best Quality at Best Price” with continuous innovation

Focus Areas:

Technical upgrades, QMS implementation and stockyard model for maximum reach



BUSINESS STRENGTH

1

Innovative & Agile Marketing Team

Turning challenges into opportunities with out-of-the-box ideas.

2

Nationwide Presence

Centralized Gurgaon office + 10000+ dealers & 500 distributors/architects/engineers/consultants across India.

3

Strong Brand Recall

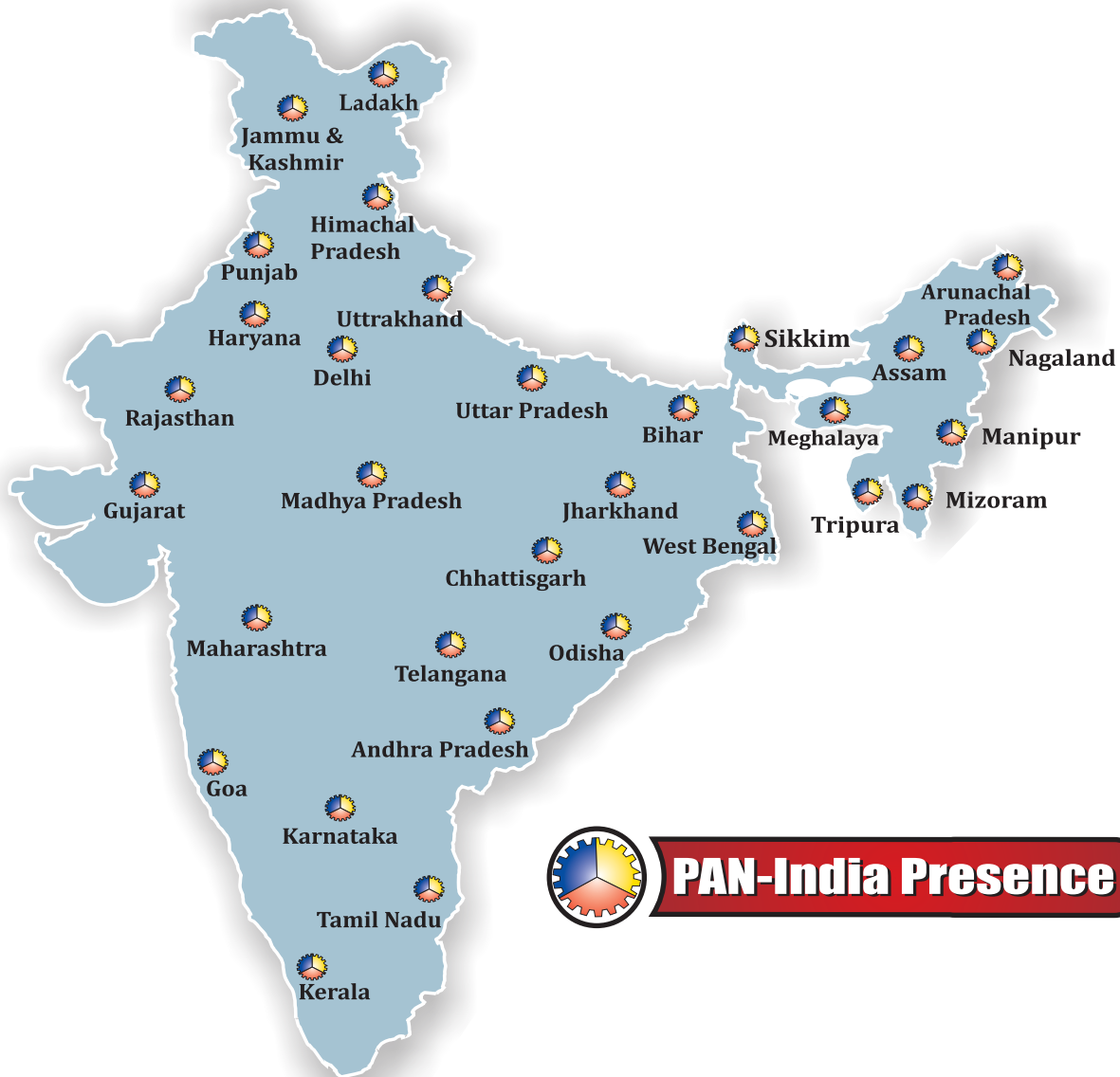
Continuous campaigns ensuring wide market reach and recognition.

4

Premium Quality Advantage

Kamdhenu products command higher value quality over non-branded competitors.

PRESENCE OF KAMDHENU BRAND



PAN-India Presence

Disclaimer: This map is not for scale. The map has been drawn for sole purpose of depicting presence of Kamdhenu products in India.
This map cannot consider as complete map of India.

PRE-ENGINEERED STEEL BUILDING

Pre-Engineered Steel Building is a steel structure built over a structural concept of primary members, secondary members & the cover sheeting connected to each other. The structural members are custom designed to be lighter in weight & high in strength. It can be fitted with different structural addition like trusses, mezzanine floors, fascia, canopies & crane systems as per user requirements. PEB are ideal for use in non residential, wide span low rise buildings. Among the advantages of PEB are lower cost, consistent quality control, durability, longevity, environmental friendly & faster delivery to name a few.

As a leading PEB manufacturer, Kamdhenу Build Tec provides the complete service of engineering & fabrication thus ensuring better quality control at every stage of process.

All over world, high performance material are replacing heavy & old designed conventional structural steel. With the use of HSS (Hollow Structural Section) we can reduce material cost & hence project cost.

The popularity of HSS (Hollow Structural Section) in construction has increased nowadays as Engineers / Contractors become aware of its advantages. The closed shape & relatively large Moment of Inertia (MOI) about the weak axis make them highly resistant to torsional effects.

PEB has seen tremendous growth in the last decade over the conventional steel building.

THERE ARE DIFFERENT TYPES OF LOAD BEAR BY THE STRUCTURE

1. Dead Load (Self Weight of Structure, Roofing Sheets)
2. Imposed Loads (Roof Live Load, Crane Load)
3. Wind Load
4. Seismic Load
5. Live Load
6. Collateral Load



KAMDHENU BUILD TEC PRE ENGINEERED STEEL BUILDINGS

1. Innovative & Cost-Effective Industrial Solutions
2. Smart Technology
3. Smart Engineering (Accurate Dimension Design Flexibility)
4. Smart Construction (Easy & Quick To Erect)
5. Smart Roofing (Durable & Strong)

We work with clients globally with more than 30 years of experience in steel manufacturing. We have a proven track record of managing projects of any size or scope.

We see ourselves as partners in our customer's success, with a distinct & important role to play. Our goal is always the same, to exceed our customer's expectations, every time.

At Kamdhenu Build Tec, we provide more than just steel structures; we deliver complete building solutions.

ADVANTAGES OF KAMDHENU BUILD TEC

1. Reducing Construction Time
2. Lower Cost
3. Flexibility of Expansion
4. Low Maintenance
5. Single Source Responsibility
6. Faster Installation
7. Energy Efficient Roof & Wall Systems
8. Earthquake-resistant

OUR SPECIALIZATION

1. Fully Automated Manufacturing Set-up
2. Quality Material Used
3. Professional Team
4. Co-ordination Among Us.
5. Execution of Project within Time Frame.

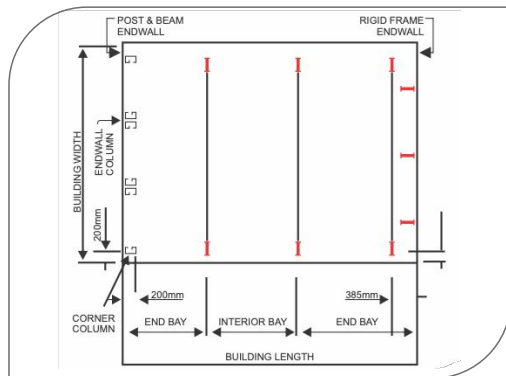
ENGINEERING

The engineering department uses the latest version of internationally renowned industry standard 2D & 3D softwares for designing & detailing.

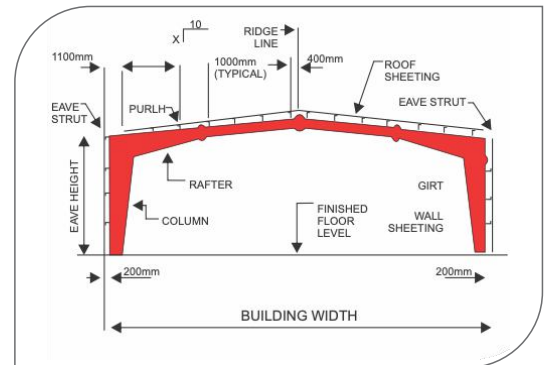
Skilled structural engineers using the very latest in computerized engineering design & detailing systems permit the selection of the most economical, accurate & efficient framing & cladding systems.

PRE-ENGINEERED STEEL BUILDINGS KAMDHENU

Kamdhenу Pre-Engineered Steel Buildings can be 100% customised designed to provide maximum space utilisation, excellent strength, minimum waste and building usecase. Everything we do is keeping in mind the highest safety standard; safety is always a priority for us.



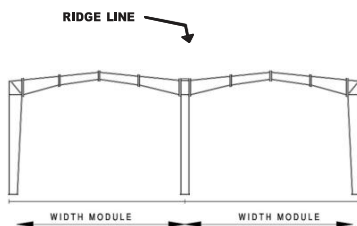
Typical Plan



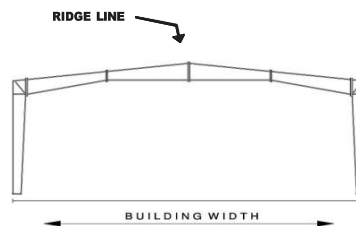
Typical Section

PRIMARY FRAMING TYPE

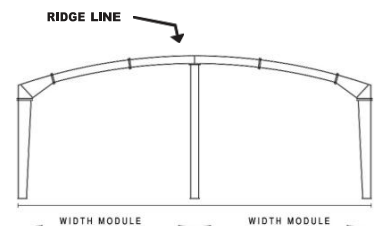
Multi Gable



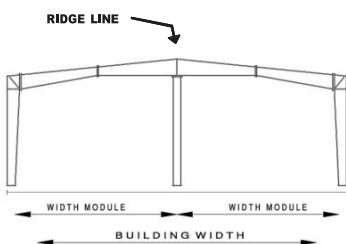
Clear Span



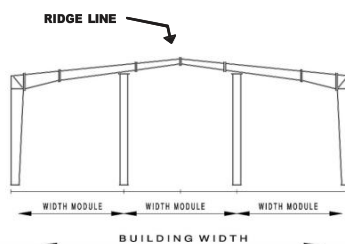
Arched Multi Span



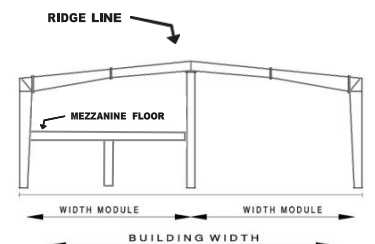
Multi Span 1, (MS-1)



Multi Span 2, (MS-2)

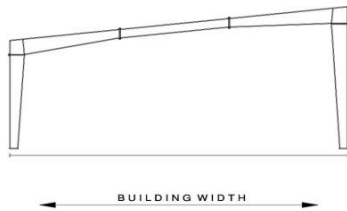


Mezzanine

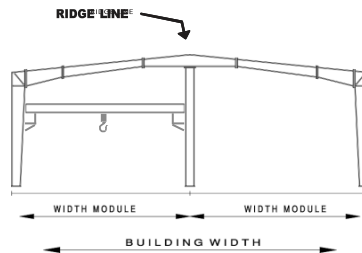


PRIMARY FRAMING TYPE

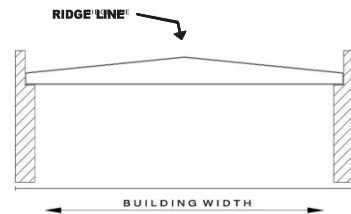
Mono Slope



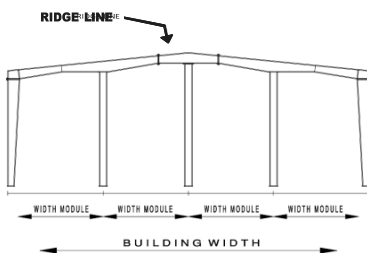
Crane Building



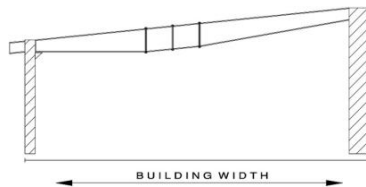
Roof System



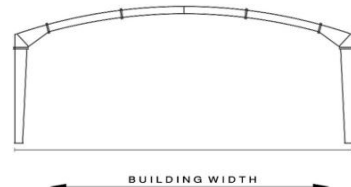
Multi Span3



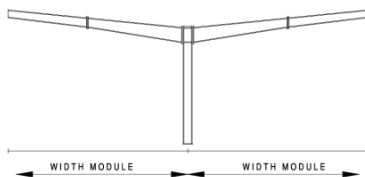
Lean-to



Curved Rafter



Butterfly Canopy (T-can)



L - Canopy (L-can)



SECONDARY MEMBERS



C Section

C-Section are normally 200 mm deep with a 100 mm angle. These flanges are perpendicular to the web and have a 24 mm stiffening lip.



Purlins & Girts

Purlins and Girts are roll formed Z Sections, 200 mm deep 64 mm angles shall have a 16mm stiffening lip formed at 45 degree to the angle.



Eave Strut

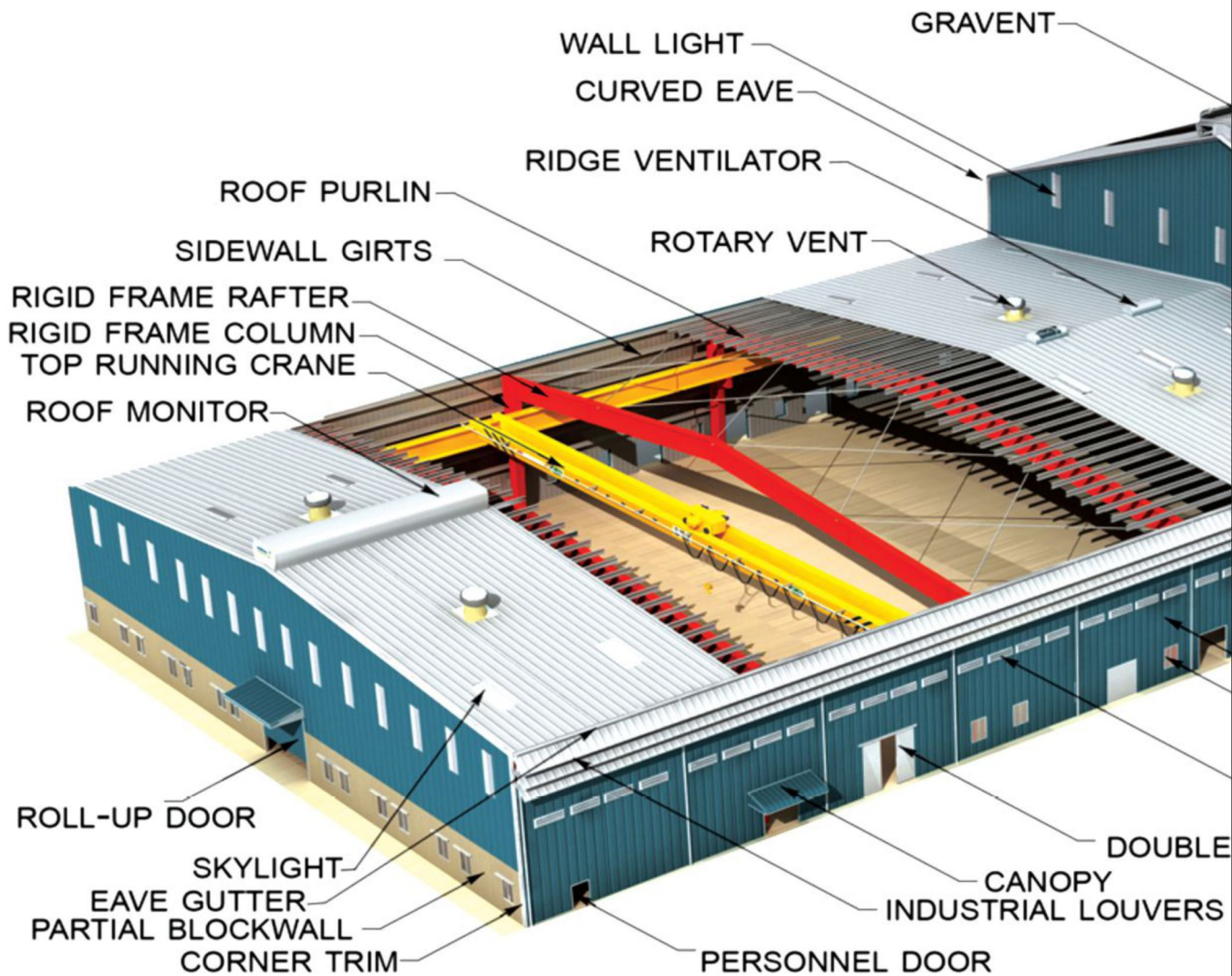
Eave Struts constructed from cold formed 'C' Sections and it is rolled to suit the roof slope. This member transmit longitudinal wind force on the end walls from roof brace rods to wall brace rods.



Rod Bracing

Rod bracing (also called X-bracing) is a tension-only bracing system. Locates in the roof and walls of a building between frame members, transferring longitudinal forces to foundation. Cable bracing (like rod bracing) is a tension only X-bracing system.

KAMDHENU BUILD TEC



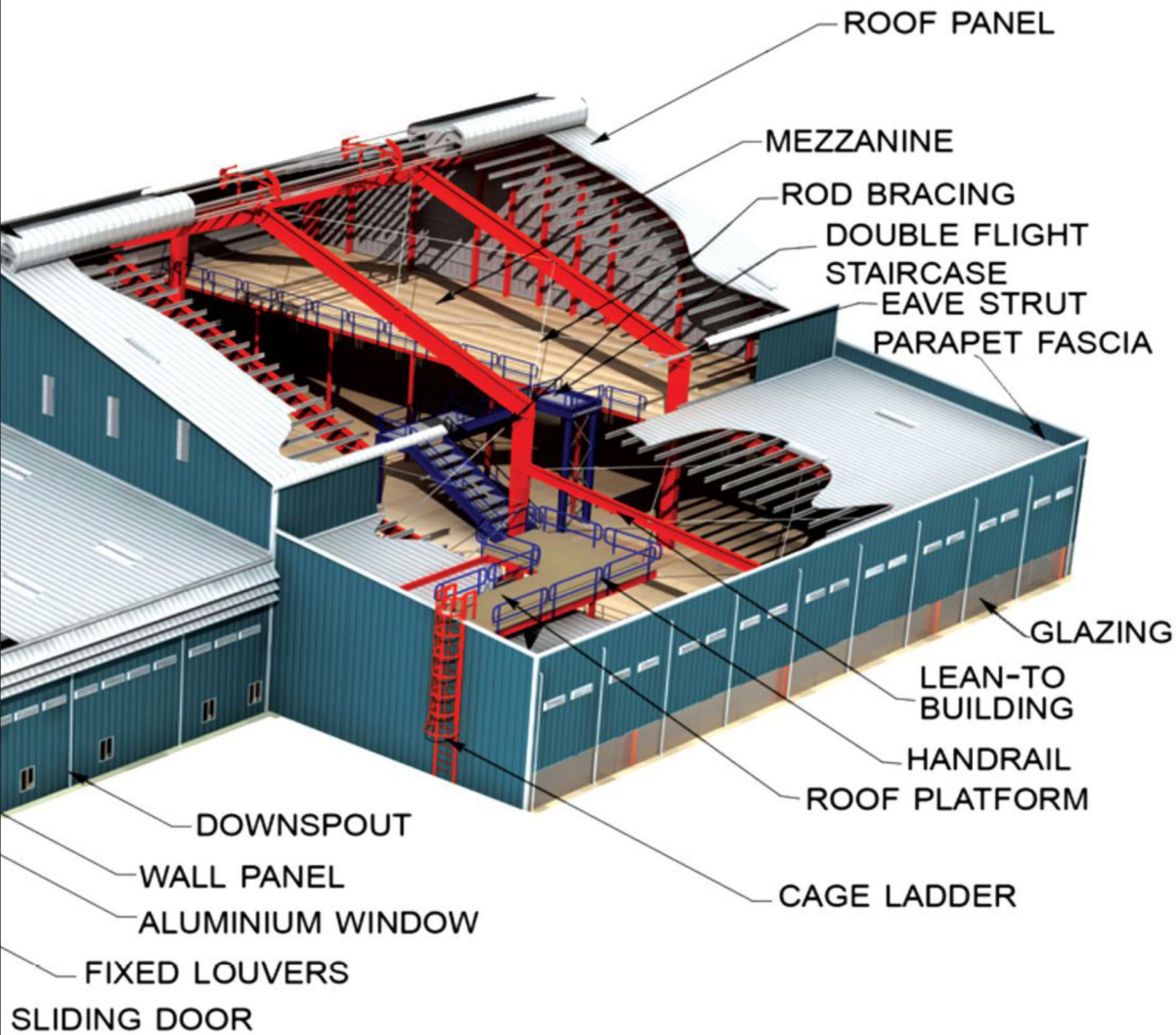
Structural System

- Main Frame
- Mezzanine
- Crane Support System
- Fascias
- Canopies
- Truss
- Curved Beam

Secondary Members

- Purlins & Girts
- Eave Strut
- C-Section
- Curved Eave
- Open Web Joist
- Bracing System

PRE ENGINEERED BUILDINGS



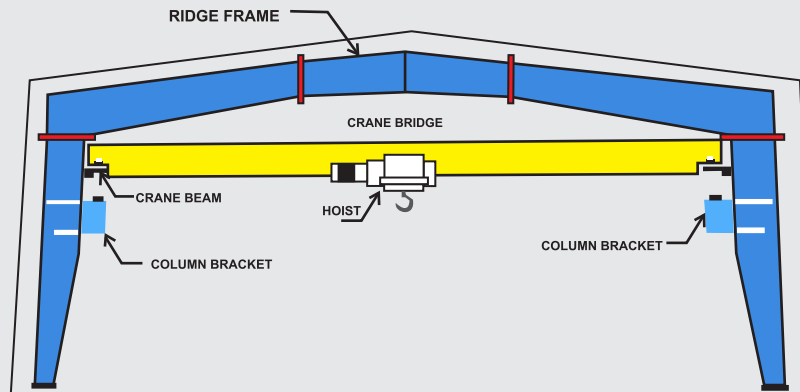
Cladding System

- Panel Profiles
- Standard Colors
- Insulation
- Insulated Sandwich Panel

Accessories

- Skylight
- Turbovent
- Ridge Ventilator
- Louver
- Polycarbonate Sheet

WHY WE CHOOSE PEB



Features	Build Tec Pre-Engineered Buildings	Conventional Structural Steel Buildings
Design	Highly sophisticated software design package is used for designing which reduces design time significantly and eliminates errors.	Substantial engineering and detailing work is required on every project. resulting in time overruns.
Delivery	Average 6 to 8 weeks.	Average 20 to 26 weeks.
Foundations	Simple design, light foundations	Heavy Foundations.
Erection Simplicity	Standard Components connections, short learning curves.	Connections are complicated and differ from project to project, resulting in long learning curves of erection
Erection Time	Fast and standard components connections.	Long, highly variable and unpredictable.
Seismic	Low-weight flexible frames offer higher resistance to seismic forces.	Rigid heavy weight structures do not perform well in seismic zones.
Overall Price	Cost Efficient,	High
Architecture	Outstanding architectural design can be achieved at low cost using standard architectural features and interface details.	Special architectural design and features must be developed for each project, which often require research and thus resulting in much higher cost.
Future Expansion	Future expansion is simple, easy and cost effective.	Future expansion would be more difficult and more likely, costlier.
Safety and Responsibility	Single source of supply results in total responsibility.	Multiple responsibilities can result in questions of who is responsible when components do not fit properly.

RCC V/S PEB

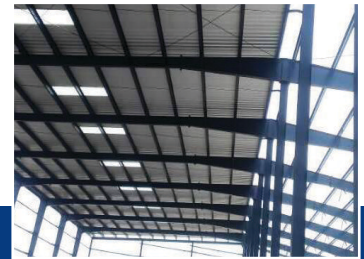


Shape	RCC	PEB
Shape	Can be shaped into any form.	Can be shaped into any form.
Manpower	It requires more manpower, especially because all the process happens on-site from preparation to structuring.	It requires less manpower and is more of a machine-aided process. Manpower is needed mainly at the time of erection
Earthquake resistance	Since concrete is brittle, its earthquake resistance is very low.	PEBs are strongly earthquake resistant and hence safer.
Customizations	It is customizable only up to a point.	It is easily customizable given that it's a fit-and-fix system.
Modifications	After solidification, the only way to customize RCCs is to break and redo them. Modifying an existing RCC structure is expensive.	Modifying a PEB is relatively simple. For example, you can add or remove mezzanine floors. The only thing you need is space for expansion.
Precision	Since it involves handwork, precision varies from project to project. The material used and the skill level of the labors impact quality.	PEBs are made in factories that follow international standards to assure quality. Since a large part of the making process is automated, the chances of error are less.
Time	RCCs are clearly a lot behind PEBs in this perspective. They take a lot of time from foundation to construction, finishing, painting and drying.	PEBs can be constructed within a few hours. In fact, a 10-storey building in China took just 28 hours and 45 minutes for erection.
Scrap value	There's zero scrap value for RCCs as the debris behind them is completely useless.	PEBs have a high scrap value. Steel, being up to 100% recyclable promises better scrap value.
Eco-friendly	RCCs are not green buildings. Plus, they leave behind a lot of landfill mass.	Steel doesn't cause much impact on the environment. Plus, with a recycling value of up to 100%, it qualifies for a green building.
Span and area	RCC buildings require supporting pillars at regular intervals. Consequently, the usable floor area reduces.	PEBs can span from one end to the other without any support in between. This accounts for more usable space.
Load-bearing capacity	The load-bearing capacity of any RCC structure is almost equal to its weight.	Steel can carry up to six times its own weight. Thus, PEBs are stronger.
Self-weight	Concrete structures are very heavy.	PEBs are up to 60% lighter by weight as compared to RCCs.
Cost overruns	In most projects, there are multiple revisions in costs during RCC construction due to delays and site conditions.	Since all components can be precisely engineered, no change is required during erection.

MEZZANINE SYSTEM

Nowadays the construction of mezzanine system is very common being used in steel building for various purposes. In most factory or warehouse buildings shop floor offices, production offices, store, maintenance offices, washrooms canteens etc., are made above the shop floor area wherever surplus headrooms are available. This also helps in saving the floor area as well as creates ease of serving being closely. This also reduces the cost of construction. A typical

mezzanine system is basically a joist beam construction taking support from the building columns as per availability and on top of beams and joist, deck slab is poured over GI decking of profile metal sheet. A light reinforcement over decking and light concrete is used to make a permanent floor. Typical mezzanine details for various elements are shown below.



Special emboss marks are rolled into the profile, creating the highest bond between concrete and steel floor

Material : 76 mm Decks are manufactured from tested quality CR Coils as per IS:513 apart from these material, 76mm sections can be rolled from galvanized steel , Pre colour coated and bare galvalume sheets. 76mm Sections are manufactured in thickness of 0.5mm, 0.6mm, 0.8mm, 1.00mm, 1.25mm and are available in any standard lengths as per customers requirement subject to transport restrictions (upto maximum of 12mtrs length)



STEEL DECKING SHEETS

KAMDHENU METAL DECK SHEET

Kamdhenu Metal decking or steel decking has become one of the most preferred methods of construction in recent years. Kamdhenu Steel Deck can be used as a composite Floor System. It also considerably speeds up the construction process. The fast & simple installation of this high strength product gives immediate access to a working platform. Used in a composite design, Steel Deck performs as a positive reinforcement and a permanent form support, providing savings in concrete and reinforcement steel. Its newfound popularity in construction of multi-storeyed buildings is due to the flexibility that it provides combined with high strength. Because of such benefits, it has found usage in residential, commercial as well as industrial building constructions.

Decking sheet Applications

Decking slabs made of composite have historically been utilized primarily in steel-framed structures, but can also be used for the following types of buildings:

Other commercial buildings/Supermarkets/Malls

Industrial buildings and Multi-Storeyed Building

Bridge /Walkway

Schools

Bridges

Housing- both individual houses and residential buildings

➤ Hospitals

➤ Platforms

➤ Refurbishment projects

Material Specifications

Steel Deck is produced from galvanized and color coated galvanized steel produced as per IS:513, IS:277, IS:14246, and AS:1397-G300-Z275.

Kamdhenu Deck Profile: 76mm, 44mm 30mm, 53/2 45 mm, 75/300mm

Thickness: 0.80mm, 1mm, 1.2mm 2mm

Length: Can be customized up to 12,000mm.

Coating Standard: Galvanised Steel as per IS: 277

Type: Bare, Primer coated, Galvanized, Pre-Painted

Coating Mass: 120, 180, & 275 GSM

Yield Strength: 240mpa, 345mpa & 550mpa

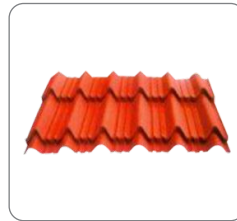
NEW ALUMINIUM-ZINC ALLOY COATED PROFILE SHEET



HI-RIB PROFILE SHEETS



Kamdhenu Hi-Rib profile sheets are produced on state of the art machines. We ensure that the products offer extra strength and perfect overlap to provide a high degree of weather protection & corrosion resistance, while at the same time being aesthetically appealing & cost effective.



TILE PROFILE SHEETS

Kamdhenu Steel is one of the versatile company, having a wide range of roofing products in the Indian and International markets. These tiles provide most aesthetically pleasing look to the roof. We use pre-painted Galvanised Steel Sheets.

**Strong, Safe and
Durable**

Low Maintenance

**High Strength to
Weight Ratio**

**Exceptional
Corrosion Resistance**

Thermally Efficient

Parameters	AZ (PPGL)	(PPGI)
Thickness	0.30-0.60 mm	0.30-0.60 mm
Coating	AZ 70/AZ 150	120 GSM
Width	1071± (5mm)	1071± (5mm) /1274± (5mm)
Length	As Per Requirement	As Per Requirement
Paint Type	SMP / RMP / PVDF	SMP / RMP
Finish	Glossy / Matte	Glossy/Matte
Colour	As Per RAL Shades	As Per RAL Shades
Yield Strength	240-550 MPA	240-550 MPA



APPLICATIONS

Factories | Workshops | Warehouse | Showrooms | Exhibition Halls | Auditoriums | Schools | Convention Halls | Food Courts
Service Stations | Transport Terminals | Hangars | Parking Lots | Site-housing | Rail Yards | Cold Stores | Distribution Centers

MANUFACTURING FACILITIES

Continuous h beam welding machine



C/z Purlinmachine



Roof Profile Machine



Cnc Plasma Cutting Machine



Shot Blasting And Painting Facility



Shearing Machine



Cnc Punchingmachine



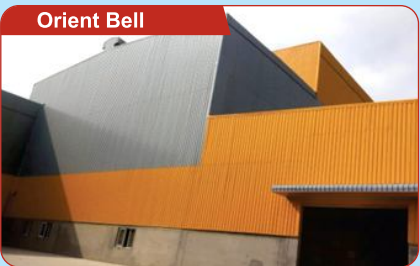
- CONTINUOUS H BEAM WELDING MACHINE
- CNC PLASMA CUTTING MACHINE
- PTW MACHINE
- PLASMA CUTTING MACHINE
- SANDWICH PANEL MACHINE
- SHOT BLASTING AND PAINTING FACILITY
- SHEARING MACHINE
- C/Z PURLIN MACHINE
- CNC PUNCHING MACHINE
- STANDING SEAM MACHINE

- HI-RIB PROFILE MACHINE
- DECK SHEET MACHINE
- GC CORRUGATED MACHINE
- TILE PROFILE SHEET
- BAMBOO PROFILE MACHINE
- LINER PROFILE MACHINE

OUR CLIENTS



APPLICATIONS



Sikandrabad Ghaziabad



Barota Distt. Sonipat



Management Services Ltd. Mumbai



Murthal Distt. Sonipat



Mallah Majra Distt. Sonipat



Sonipat



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AWARD

