



SKY FABRICATORS

— PEB SOLUTIONS | STEEL STRUCTURES | BUILT TO LAST —

— CLOUD YOUR DREAMS. WE BUILD THEM STRONG. —

Low Cost | High Quality

Integrated Pre-Engineered Building Solutions



Shakthi Innovative Solutions PVT.LTD

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Our Product: Pre-Engineered Buildings

Pre-Engineered Buildings (PEBs) are the latest trend in India. A PEB is a metal building that consists of light gauge metal standing seam roof panels on steel purlins spanning between rigid frames with light gauge metal wall cladding. They drastically reduce construction time. Maintenance is also extremely low. PEBs optimally utilize resources and leverage technology to the maximum. PEBs have gained a global reputation for durability, weather, and earthquake resistance. PEBs are tremendously versatile – they are easy to set up, expand, modify, and transport to different locations.

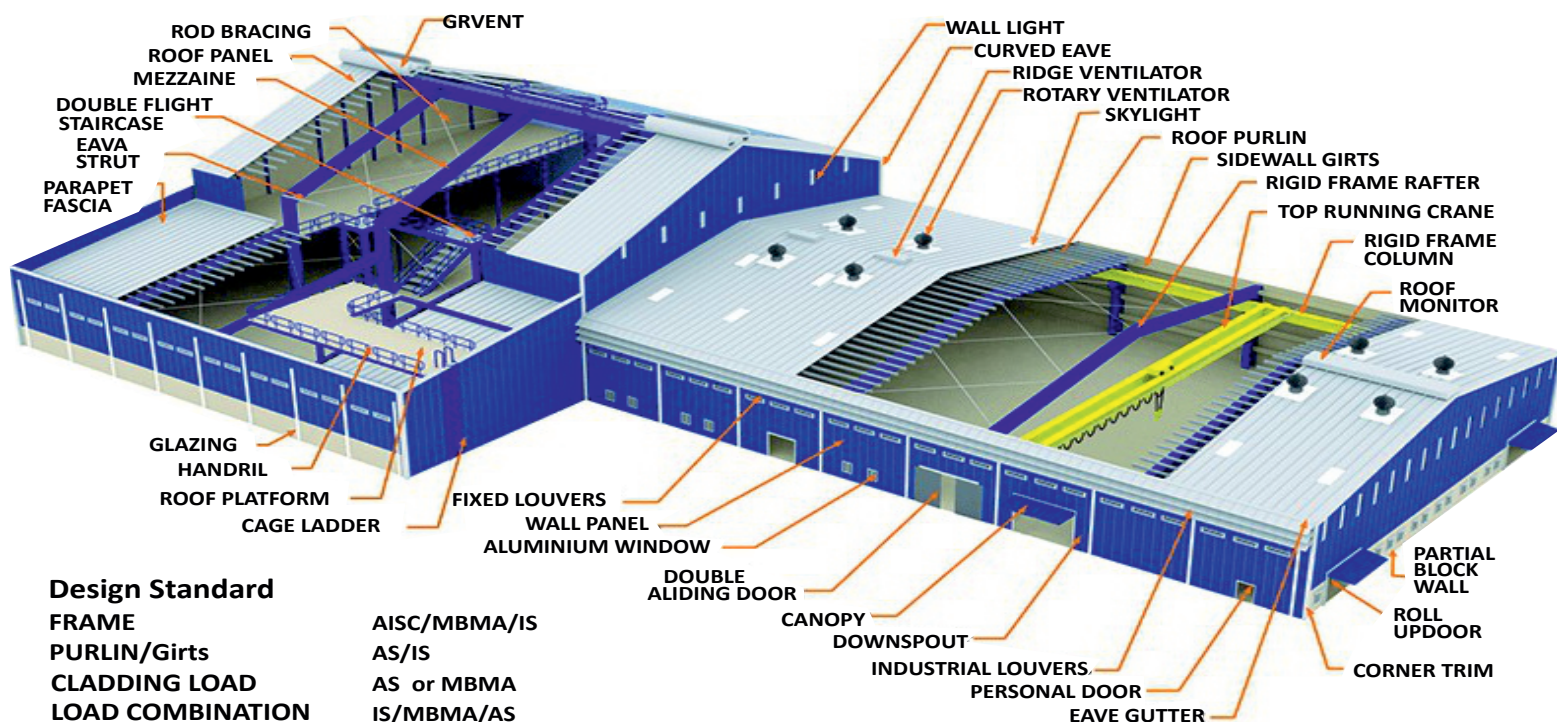
They are environmentally friendly and can be aesthetically designed with unique features. An estimated 20-30% can be saved on cost, as compared to conventional building methods.

PEBs can be delivered to a site in just 5 to 8 weeks - conventional steel structures take as much as 20 to 25 weeks to complete. The unique techniques employed during fabrication help PEBs be up to 30% lighter than regular steel products. No welding or fabrication is required at the construction site, resulting in greater speed and efficiency.

SHAKTHI Engineering Strength

SHAKTHI has expertise in innovating customised, economical designs without sacrificing form or function. Our team uses specialised software packages and cutting-edge computer hardware. One of the many advantages is that our consultants can minutely analyse a 3D wireframe of the structure, giving them the ability to correct oversights and avoid costly mistakes even before the building phase commences.

Illustration of Major PEB Elements



Design, Manufacture & Install Building Structures

Pre-Engineered Building Design, Manufacture & Install Building Structures

The pre-engineered building system has all the attributes of what modern lifestyle demands, i.e., speed, quality, and value. There are many applications for pre-engineered buildings. They range from an automobile garage to an aircraft hangar, a bakery to a dairy farm, an auditorium to a hospital, and a factory to a community hall.

Basic Building Parameter

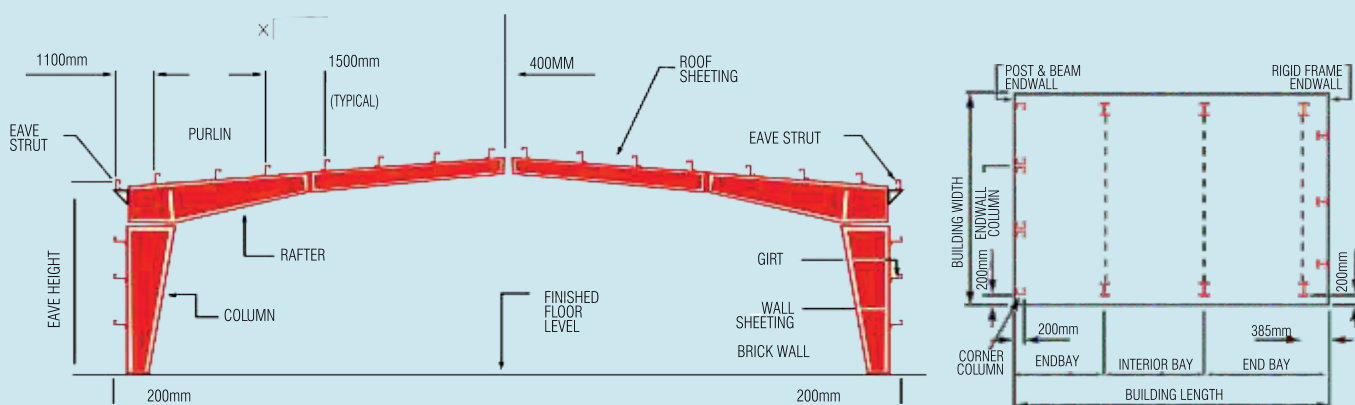
Applications

- Factories
- Warehouses
- Cold Storage
- Petrol Stations
- Schools/Colleges
- Offices
- Showrooms
- Commercial Complexes
- Recreational Centres
- Basic Building Parameter

Advantages

- Short project times
- Large clear spans
- Reduced construction cost and time
- Faster delivery and installation
- Factory-controlled quality
- Aesthetically appealing
- Virtually maintenance-free
- Single-source responsibility
- Basic Building Parameter

Basic Building Parameters



Structural Sub Systems

Structural Subsystems (Core Subsystems)

The strength of the pre-engineered building system lies in its ability to incorporate a large number of structural subsystems that use standard components and standard design approaches to satisfy a wide range of custom requirements. The structural subsystems satisfy two types of requirements:

- FUNCTIONAL
- AESTHETIC
- ENDWALL ROOF EXTENSION
- SIDEWALL ROOF EXTENSION
- TRANSVERSE PARTITION
- LONGITUDINAL PARTITION

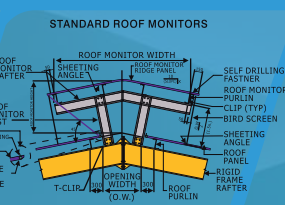
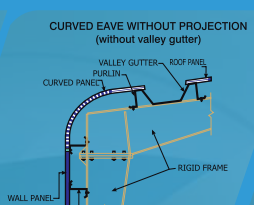
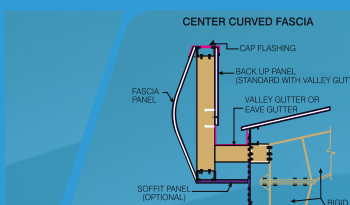
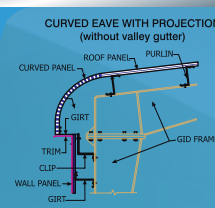
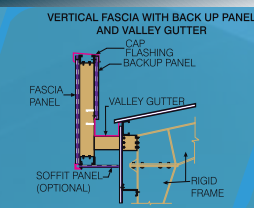
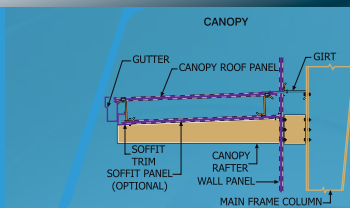
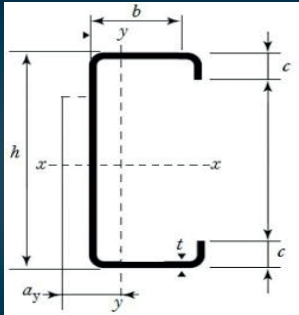


Illustration of major PEB elements

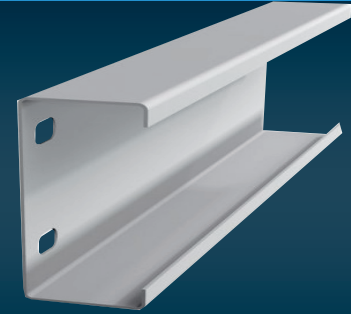
Purlin Accessories

C and Z Purlins

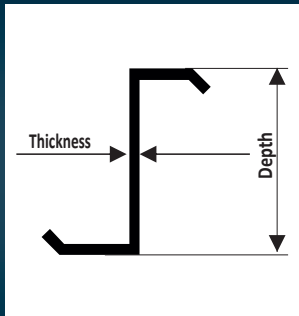
C and Z purlins are specially designed to provide economy to building construction and keep the site clean and environmentally friendly, yet they are strong and sturdy to hold the building in position lifelong. C and Z sections are accurately roll-formed from high-strength galvanized steel, cut to length, and are pre-punched to the required dimensions to provide efficiency in faster construction.



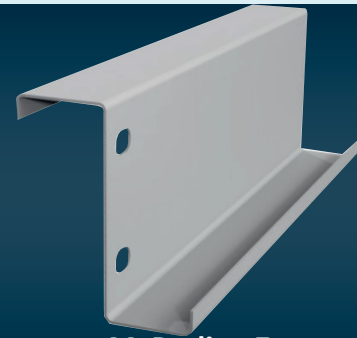
Purlin C - Shape			
SIZE	A	B	C
C100	100	50	15
C150	150	60	15
C200	200	70	20
C220	250	70	20
C300	300	80	20



MxPurlin - C



Purlin Z - Shape			
SIZE	A	B	C
C100	100	50	15
C150	150	60	15
C200	200	70	20
C220	250	70	20
C300	300	80	20



MxPurlin - Z

Roofing and Wall Sheet

RiB

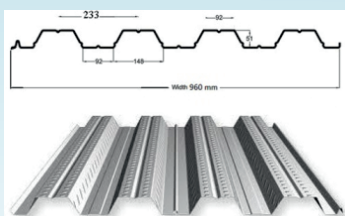
1000 is one of the most in-demand roofing and wall sheet profiles as it serves two most important purposes: first, strength, and second, aesthetics. Hence, it becomes an architect's first choice.

Crest

1000 is a profile with muscles. A large crest with two parallel mini ribs between the crests makes the profile stronger, which translates into long-spanning capabilities. Thus, the profile is most recommended for heavy rainfall intensity areas.



DIMENSIONS				
Profile	Cover Width	Crest	Pitch	Sheet Width
Sheet	1000	30	205	1060

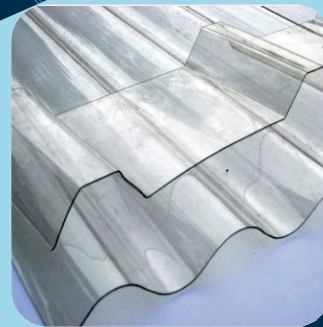
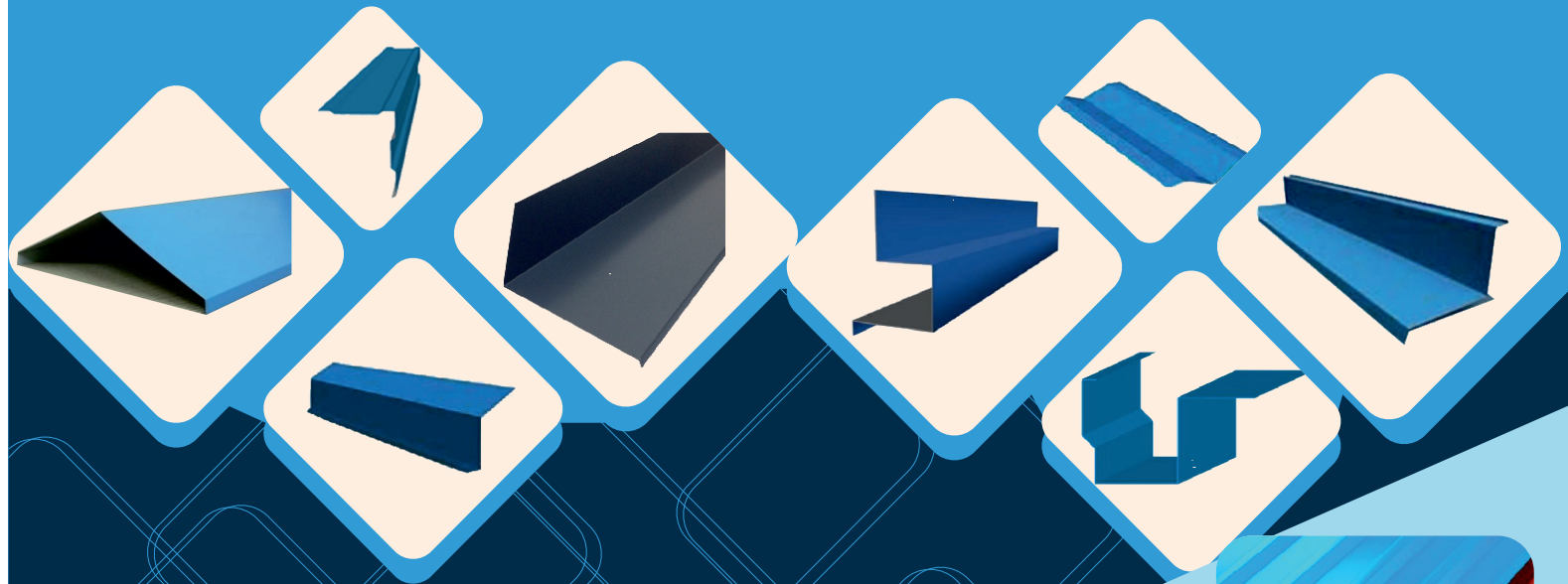


Decking Sheet

Deck54

Deck54 is an innovative steel decking profile which is an ultra-lightweight system for all multi-storey buildings. The Deck54 profile is designed so strong that no or minimum propping is required.

Accessories Flashing



PVC SHEET

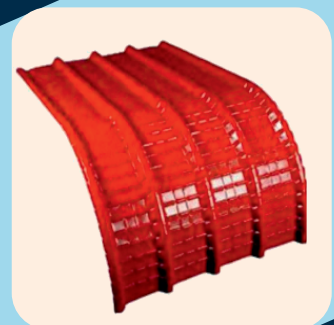
POLYCARBONET



LOUVER



TURBO VENTILATOR



CURVE SHEET



SHEAR CONNECTOR



DECKING SHEET



INSULATION

Few Project Headed Execution



**Manya Technologies,
Malur**



**Japan Metals,
Bidadi**



**Trijal Motors,
Whitefield**



**Super Coats,
Dobbaspeth**



**SKL Exports,
Bommasandra**



**IMBB,
Ahmedabad**



**TLS Infotech,
Malur**



**Evlin Decors,
Varthur**



Few Project Headed Execution



**Hitech Fluids and Hitch Hydraulics,
Malur**



**Indian Railways,
Jakkur**



**Satharkan,
Jigani**



**Aurinko School,
Electronic City**



**Mitasha,
Malur**



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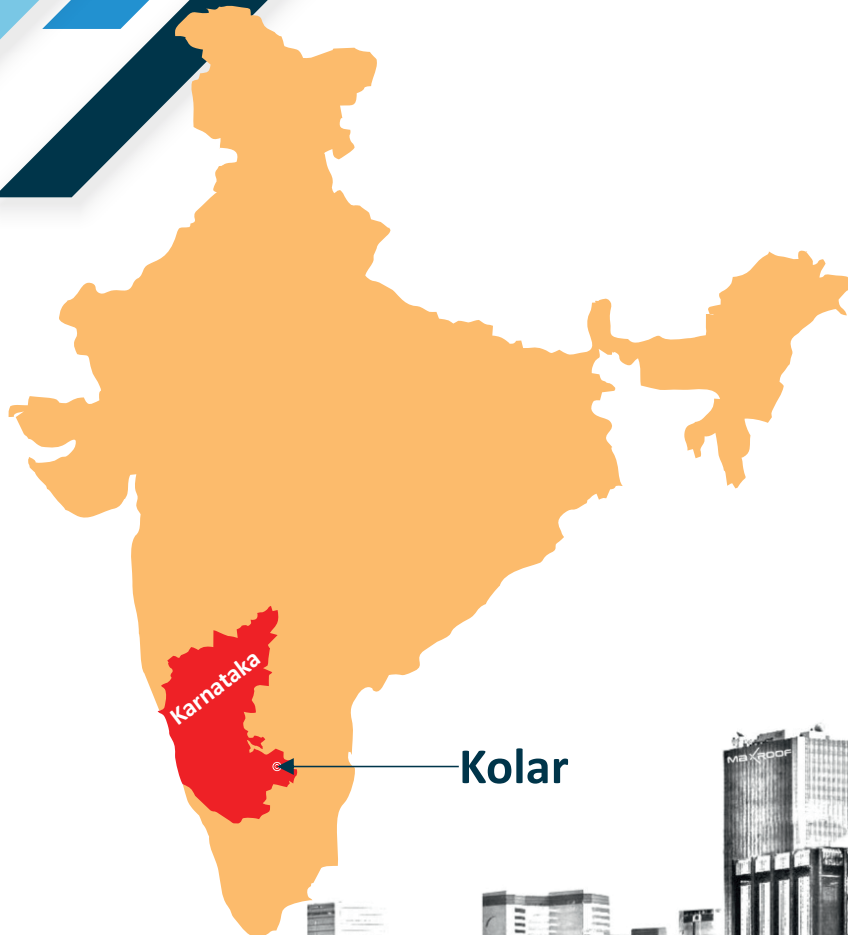
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