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**PEB & STRUCTURES**

*Prefab Brilliance; Pennar Resilience*

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Scan for Enquiry



Scan for Website

## EVERY STANDOUT CREATION IS THE RESULT OF THE HUMAN ABILITY TO SEE THINGS WITH A CREATIVE MIND

Every groundbreaking idea is formed out of the willingness – to think differently, to go beyond. Every action is born out of a skill we all possess – Imagination. At Pennar, we think, we imagine. We engineer things with nerves of steel. We Pre-engineer to create steel structures that conform with your requirements. That's what makes us a reckoning power, a pioneering influence in the Pre-engineered Steel Building Industry in India.

### VISION

To build trusted, high-quality products and solutions in the Precision Engineering Industry that enhance the competitiveness of our clientele and improve the quality of life for people everywhere.

### VALUES

Inclusion & Collaboration – Learning, Development & Digitization – Innovation, Communication & Transparency People Centered, Customer Focused & Growth Oriented – Pride & Ownership – Engineering Excellence

### MISSION

To provide precision engineering and technical products and solutions that are responsive to our clients' needs in an innovative, cost-effective and professional manner with the highest quality.





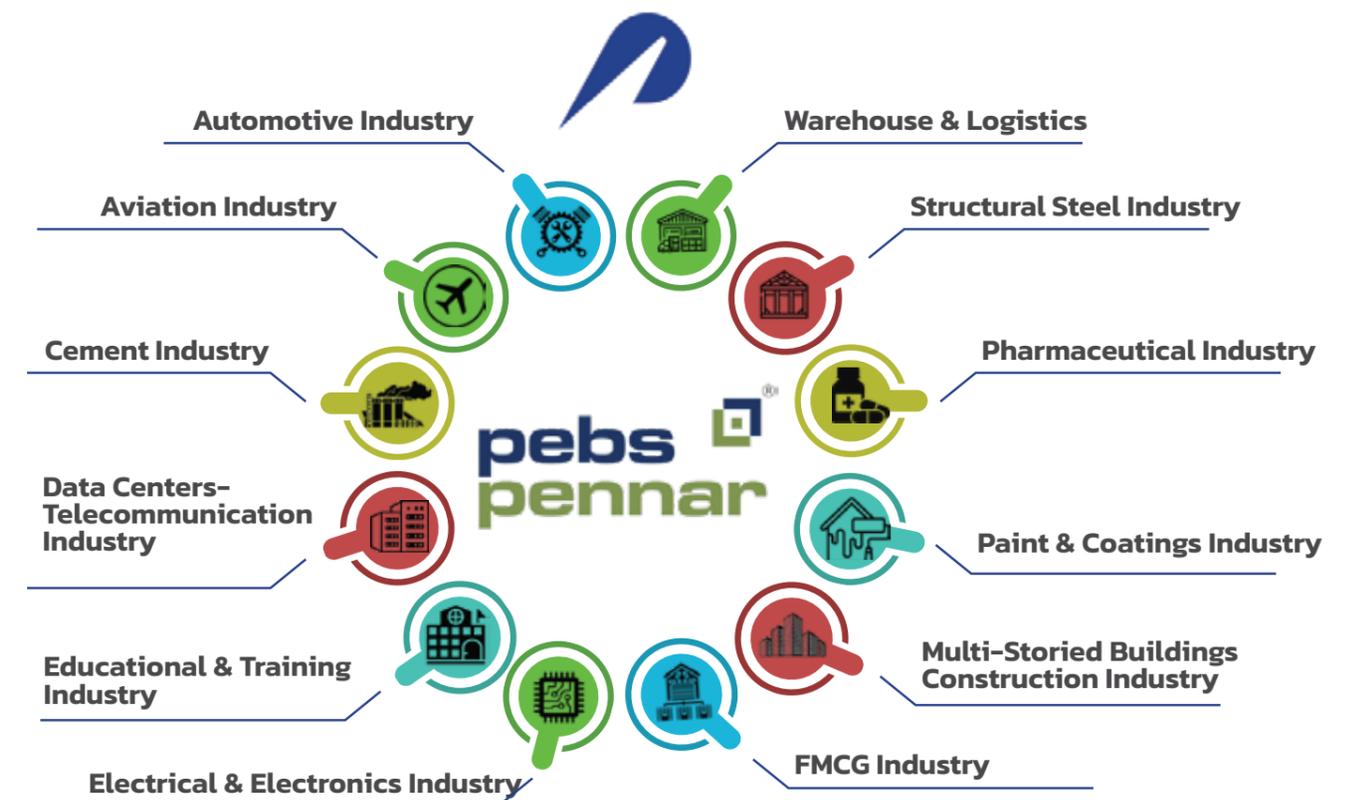
## PEB | STRUCTURES

Pennar PEB BU has emerged as leaders in the area of design, manufacturing, supply and installation of pre-engineered buildings and components, and structural steel products catering to Industrial/Commercial/Institutional applications such as warehouses, power plant structures, commercial centers, high-rise buildings, aircraft hangars, defense installations, sports stadia, data centers, pharmaceuticals, Industrial racking systems, cold form structures and low cost housing. Pennar has brought innovation, design distinction, international expertise and above all, global quality to every customer who aspires for technological and structural superiority. With the State of the art manufacturing facilities near Hyderabad, our plants are equipped with high precision CNC machines to fabricate and supply quality-replete steel buildings. It was awarded **"Gold Rating" in 2010** by Indian Green Building Council (IGBC).

## PENNAR INDUSTRIES

Since its inception in the year 1975 as a Cold Rolling Steel Company, we have diversified our expertise over the years to transform ourselves into a precision engineering conglomerate spanning Engineering, Construction, Engineering Design, Pre-engineered Buildings, Structural Steel, and Aerospace. Pennar Industries Limited is now a multi-location, multi-product company manufacturing Cold Rolled Steel Strips, Precision Tubes, Cold Rolled Formed Sections, Electro Static Precipitators, Profiles, Railway Wagons and Coach Components, Press Steel Components, Industrial Boilers and Road Safety Systems. Pennar Industries Limited (an ISO 9001:2015 Company) has ten manufacturing facilities across the globe, and committed to achieving superior standards of quality, precision, and perfection.

## INDUSTRY WISE APPLICATIONS OF PEBS PENNAR



# DESIGN, MANUFACTURING, SUPPLY, ERECTION OF PRE-ENGINEERED BUILDINGS, COLD FORM BUILDINGS, HI-RISE BUILDINGS, STRUCTURAL STEEL & DATA CENTERS



Spread across  
**68**  
Acres of Area



Overall Built-up area :  
**54,000**  
Square Meters



Total Production capacity  
**>1,56,000**  
MT/Annum



SADASHIVPET, HYDERABAD, TELANGANA



VELCHAL, HYDERABAD, TELANGANA



RAEBARELI, UTTAR PRADESH



## MANUFACTURING FACILITIES

PEB BU has established a world-class manufacturing facilities two at Hyderabad, Telangana, India and one at Raebareli, Uttar Pradesh. The company's manufacturing facilities are one of the best in the country with modern technology and high precision equipment sourced from leading suppliers across the world.

## EQUIPMENT

CNC Plasma with a capacity of 25 mm thickness with Hyper therm, USA. A coveted rarity in the PEB industry, this machine is used for cutting profiled webs and flanges with an accuracy of  $\pm 1$  mm Double-Lok® standing seam mobile roll former from Bradbury, USA, under technological agreement with MBCI, a division of Cornerstone Building Brands

- CNC 16 mm shear from YSD, China, with a capacity of 16 mm x 6.0 m - a postmodern machine used to cut straight webs and flanges up to 16 mm thickness, sporting a back support arrangement to achieve an accuracy of  $\pm 1.5$  mm.
- Y Pull-through Welder from Primo, INDIA, custom-built with Lincoln, USA welding source to produce high-speed welded beams at an Output of 3 linear meters per minute.
- Y Roll formers from Ilkwang, South Korea.

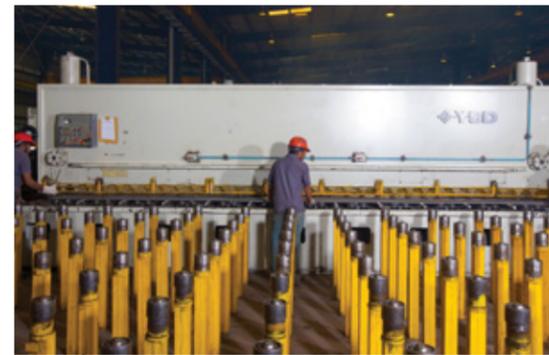




## EXCELLENCE PRE-BUILT

Our pre-engineered steel buildings are uniquely designed and fabricated to suit your requirements. Built strictly following the international standards, these buildings consist of different components, meticulously designed to be compatible to one another. The fabrication of these components is carried out in a factory under strict quality control as per detailed shop drawing. These components are transported to the end user's site with proper markings and assembled at the project site as per erection drawings.

We cater to industrial, commercial and institutional requirements and provide enhanced speed in delivery and erection. We also provide flexibility in expansion, withstanding the most severe weather conditions to deliver the best of pre-engineered solutions. These buildings are available in large multidimensional spans; lean-to roof at all required heights and side claddings. They feature a structural steel framework of primary and secondary members (rigid frame, beams, purlins and girts, trusses and columns) on to which cladding and roofing components are attached.





## THE STRENGTH... PRE - EQUIPPED

### PEOPLE

PEB BU has been actualised by a strong management and a fully motivated team of forward thinking professionals who excel in their line of activity . Their individual strengths and varied skill-sets have greatly benefitted the Company in strategically structuring its way to the top. The team has been carefully chosen to outperform in all quarters. With International expertise, understanding of complex structures, in-depth knowledge of designing pre-engineered steel buildings...PEB BU's engineering department is powered with an enviable pool of talent.

### PARTNERSHIP

Once the contract is signed, PEB BU gets into a consultative working relationship and partners the client at every step to reach the desired design solution. Experienced professionals from the Company take complete responsibility and are in hand holding mode till the successful completion of the project.

### DIRECT INTERACTION

The order management team directly interacts with the customers, drastically cutting down on response time, and facilitating collaborative understanding.

### INFRASTRUCTURE

Engineering softwares used by us, are the most advanced and efficient in the industry. By adopting the latest globally accepted procedures, the company is aiming for achieving newer heights.





## THE SYSTEM... PRE - UNDERSTOOD

The pre-engineered steel building system in itself offers great advantages to the customer as a more feasible, practical and efficient alternative to conventional buildings. The System has earned acceptance across the world and is gaining rapid ground in India as well. Some of the distinct advantages include

- |                      |   |
|----------------------|---|
| Durability           | - Weather resistant, earthquake resistant                           |
| Value                | - Low initial investment, low maintenance cost                      |
| Environment-friendly | - All the materials can be recycled                                 |
| Flexible             | - Easy to expand, easy to setup and change                          |
| Faster               | - Reduced construction time   |
| Aesthetics           | - Gives the engineer enough flexibility to create Unique structures |

## BUILDING COMPONENTS



### SMART RIB

Cover Width : 1000 mm  
 Thicknesses : 26 / 24 gauge  
 Standard Colours : PIL standard colours



### PRIME RIB

Cover Width : 1006 mm  
 Thicknesses : 26 / 24 gauge  
 Standard Colours : PIL Standard Colours



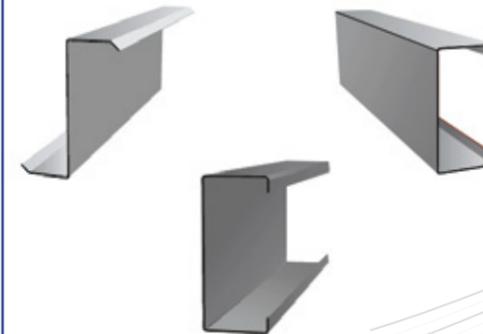
### POWER DECK

Cover Width : 812 mm  
 Thicknesses : 0.8 - 1.5 mm  
 Standard Colours : Pre-galvanized



### SUPER DECK

Cover Width : 693 mm  
 Thicknesses : 0.8 - 1.5 mm  
 Standard Colours : Pre-galvanized



### COLD FORMED SECTIONS

Cover Width : C & Z Sections  
 Thicknesses : 1.5 - 3.0 mm  
 Standard Colours : Pre-galvanized 120 / 275 gsm

# TECHNICAL ASSOCIATION

Two minds, one common pursuit - Quality. PEB BU offers the Double-Lok® standing seam roofing System - a proven, world-class, 100% leak-proof product manufactured in technical collaboration with CBB Group Inc. USA is one of the global leaders in the pre-engineered steel buildings industry.



**Double - Lok® 10 years 100% Leak Proof Warranty**



**10 Years  
Leak Proof  
Warranty**



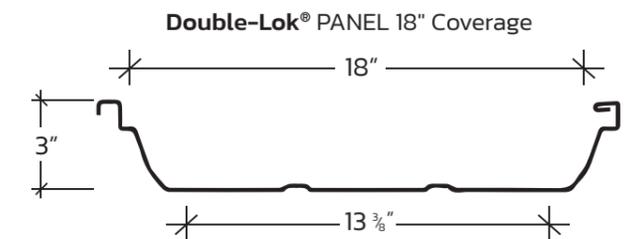
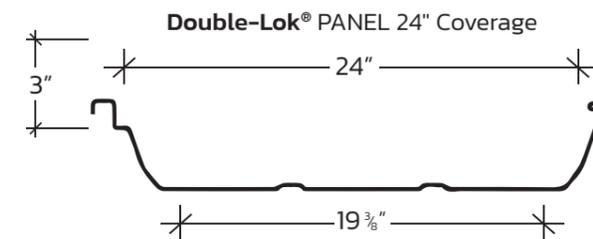
### Double-LOK® 360° Standing Seam\*



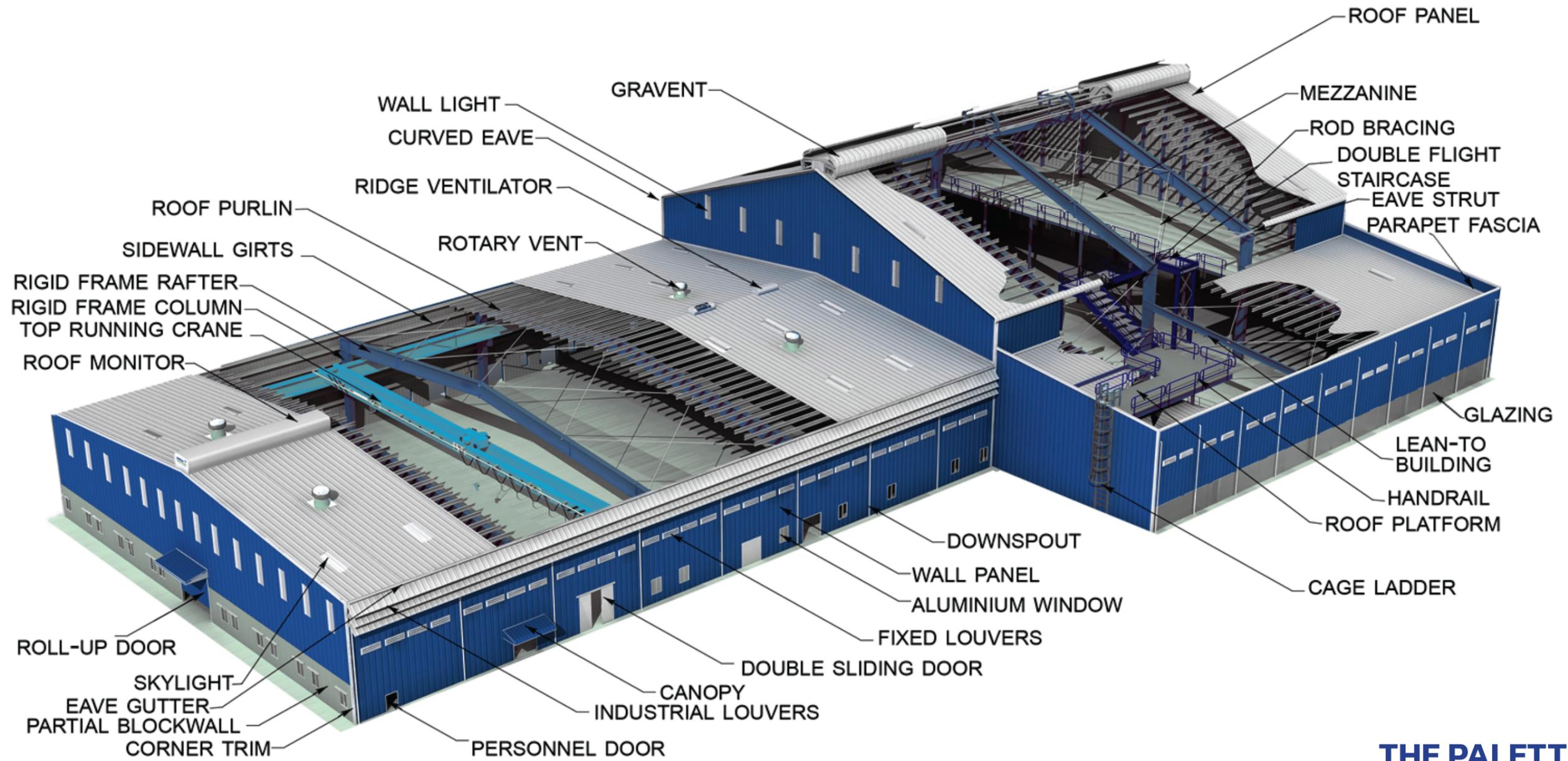
\* Double-Lok is approved by FM Global, USA.

Double-lok® Standing Roofing System With 360 Degree Seaming

Cover Width: 610 mm / 457 mm  
Thickness: 24 gauge  
Standard Colours: PIL Standard Colours



# TYPICAL PRE - ENGINEERED STEEL BUILDING



## THE PALETTE



## THE DIFFERENTIATORS... PRE – CONCEIVED

### SUPERIOR BUILT-UP SECTIONS

- Minimum thickness of 4 mm for webs, 5 mm for flange width up to 150 mm, to ensure a better quality product.

### END WALL FRAMING

- Usage of hot rolled mill sections and built-up sections in end wall bearing frames.
- Superior and more rigid than the traditional cold formed "C" section end wall frames.

### PRE-GALVANIZED SECONDARY MEMBERS

- Usage of pre-galvanized steel coils to roll form secondary members (Z&C sections).
- Pre-galvanized purlins will remain rust-free, and do not require any painting.

### WIDE BAY PURLINS

- Wide bay purlins spanning up to 12 M for better shop floor layout and less foundation cost.

### ROOFING SYSTEM

- Generally, 50% of the complaints in a steel building are about the roofing components and water infiltration problems.
- We use the Double-Lok® Standing Seam Panel System, a well proven solution for metal roofs (This time-tested world-class standing seam technology has been developed by MBCI, a division of Cornerstone Building Brands)
- With billions of square meters of sheets already installed worldwide, this system has built a track record of being the most reliable leak-proof roofing system.
- With its assured weather tightness advantages, this system is the best choice for a roofing system in India.
- Double-Lok® Standing Seam System with mobile site roll former – facilitates single roll formed sheet from ridge to eave with no end laps in between.

### SUPERIOR CLADDING FASTENERS

- Usage of self-drilling screws conforming to AS 3566-2002, Class – 3.
- Premium high-corrosion resistant screws along with their bonded EPDM seals form the best fastener system.

### BEAD MASTIC FOR ROOFING SIDE AND END LAPS

- Usage of bead mastic in all roof panel side and end laps.
- Bead mastic, when installed properly, provides the best guarantee against roof leaks.
- Not all PEB manufacturers in this region use this technique.

### ROLL-FORMED DOWNSPOUTS

- Usage of roll-formed downspouts with longitudinal full length corrugations, which are very aesthetic.
- These downspouts can be supplied in one piece for any length up to 12 M, to reduce number of field joints.
- The common press-broken downspouts are dull looking and will spoil the appearance.
- Designed to avoid leakages.



# TEAM

## SALES TEAM

A very strong sales network for PEB BU with highly experienced and committed engineers pan-India, with Sales Offices in Hyderabad, Chennai, Bangalore, Mumbai, Delhi, Kolkata, Pune, Ahmedabad, Nagpur and Vijayawada. Our team facilitates seamless interface with the clients and adheres to their needs with utmost efficiency and effectiveness.

## ENGINEERING TEAM

PEB BU is growing high in the industry with the strong backup from a team of more than 100 experienced engineers in designing and detailing department. The complete design and detailing process is carried out using the sophisticated softwares. Our software assets include Auto Cad, Staad Pro, MBS, Stru Cad, 3dMax and Tekla X-Steel. The design is done using Indian and International standards like American, Euro, British and Australian, as per the requirement of the clients.

## MANUFACTURING TEAM

An experienced and trained Manufacturing & Quality Control team with exceptional value, located in our Manufacturing plants at Hyderabad, is an exemplar of modern manufacturing practices. The Quality Control team follows a stringent pre-defined process right from the raw material till the finished product inspection. The team works with a strong belief of continuous improvement and innovation which is the key to success and prosperity.

## PROJECT MANAGEMENT

A specialised project management division with client-specific order management and project management executives. It enables a problem-free interface with the customer throughout the project execution, which had set a paradigm shift in the quality and service parameters in the industry. All the technical glitches are cleared on time; hence the time lines are met with utmost precision. Safety being the priority, we follow extreme safety measures at plant & sites which has won us many honours from several Industrial Safety Agencies including Dupont.

## BUILDER'S NETWORK

The Project Management team has enlisted several highly qualified, trained and certified builders on pan-India basis, who will carry out the erection under the supervision and guidance of our representatives. The Project Management team is equipped to identify and recommend suitable builders for the project, based on the study of their current loading, resources, size etc.

# OUR PRODUCT RANGE SPANS A VARIETY OF SEGMENTS, CATERING TO DIVERSE NEEDS AND PREFERENCES:

## ◆ STEEL STRUCTURES:

- A. AIRPORT STRUCTURES
- B. ATC TOWERS
- C. PIPERACK SUPPORT STEEL STRUCTURES
- D. CONVENTION CENTRES
- E. CONNECTING BRIDGES

## ◆ MULTISTOREY BUILDINGS

- A. RESEDENTIAL BUILDINGS
- B. COMMERCIAL BUILDINGS
- C. DATA CENTRES

## ◆ MULTI LEVEL CAR PARKING

## ◆ TELECOMMUNICATION TOWERS





## HEALTH, SAFETY & ENVIRONMENT – INITIATIVES

- Safety objective of the company is to ensure zero accidents and zero dangerous occurrences at the manufacturing facility and project sites.
- Highest priority towards health and safety of employees including contract based employees and visitors.
- Every employee including contract employees to comply with the usage of applicable Personal Protective Equipments while working.
- Plant/Project sites have well documented On Site Emergency Plan. The key responsibilities in line with the emergency plan will be prominently displayed at all times in the factory/project sites.
- Training in Occupational Health and evaluation study prior to deployment safety to all levels of employees in the plant.
- Management of the plant & sites takes special efforts in providing hygienic conditions for canteen, drinking water and sanitation facilities to all employees.
- Management of the plant & sites will have authority to take appropriate action, in case of violation by an employee/stakeholder that affect health and safety standards of the plant & sites.

### GROWING GREEN

Climate change, Sustainability and Green have become the most in biquitous words. The demand for environmental friendly, or green, construction solutions has increased in recent times. People across various sectors are concerned with sustainable goals. It has been widely acknowledged that buildings consume a major portion of materials, resources and energy, thus contributing directly or indirectly to the environmental maladies. Therefore the paradigm of green buildings have been evolved to counter the malignant effects on the environment.

A green building has characteristics that reduce its environmental impact during its life cycle from construction all the way through to the end of the building's useful life. These green building characteristics are measured against three criteria.

### ENVIRONMENTAL

The impact the building will have today and in the future when considering factors as energy usage, efficient use of space, recyclability, materials used for construction, all in an effort to conserve natural resources.

### ECONOMIC

Lowering operating costs, enhancing asset value, improving productivity, as well as optimizing life cycle performance.

### HEALTH & COMMUNITY

Improvement of air quality, occupant, comfort and overall health conditions.

# MAJOR PROJECTS BUILDING



KIA Motors, Anantapur, Andhra Pradesh.



Bridgestone India Private Limited -  
Aundh, Pune, Maharashtra



NCL Veka Ltd.  
Medak, Telangana



Annora Pharma Pvt. Ltd. at Annaram, Telangana



Quantra Quartz Unit 2 Project, Hyderabad, Telangana.



TAIIN Steel FAB & INFRA  
PVT. Ltd., Pune, Maharashtra.



Tata Projects Ltd., Hosur, Karnataka.



Allcargo Logistics Ltd.,  
Hyderabad, Telangana.



Sanatanaya Warehousing Pvt. Ltd.,  
Kolkata, West Bengal



HONDA Scooter Manufacturing Plant,  
Narsapura, Karnataka.



Wipro Personal Care Pvt Ltd at  
Maheswaram, Telangana



Tata Consumer Products, Tata Packaging Unit, Odisha.



S.K.B. Builders India Ltd., HPCL Rajasthan Refinery Ltd. (HRRL), Barmer, Rajasthan.



Hindustan Coca Cola Beverages Pvt. Ltd.,  
Hyderabad, Telangana



Kannur International Airport, Mattanur, Kerala.



Megawide Construction DMCC - Greenfield International Airport at Goa



Megawide Construction DMCC - Greenfield International Airport at Goa



Megawide Construction DMCC - Greenfield International Airport at Goa - ATC Tower



Shapoorji Pallonji - Telangana Police Command Control Centre



HPCL Rajasthan Refinery Ltd. (HRRL), Barmer, Rajasthan.



HPCL Rajasthan Refinery Ltd. (HRRL), Barmer, Rajasthan.



Deepak Novochem Specialities Ltd., Ratnagiri, Maharashtra



Hindustan Urvarak & Rasayan Limited, Fertilizer Factory, Gorakhpur.

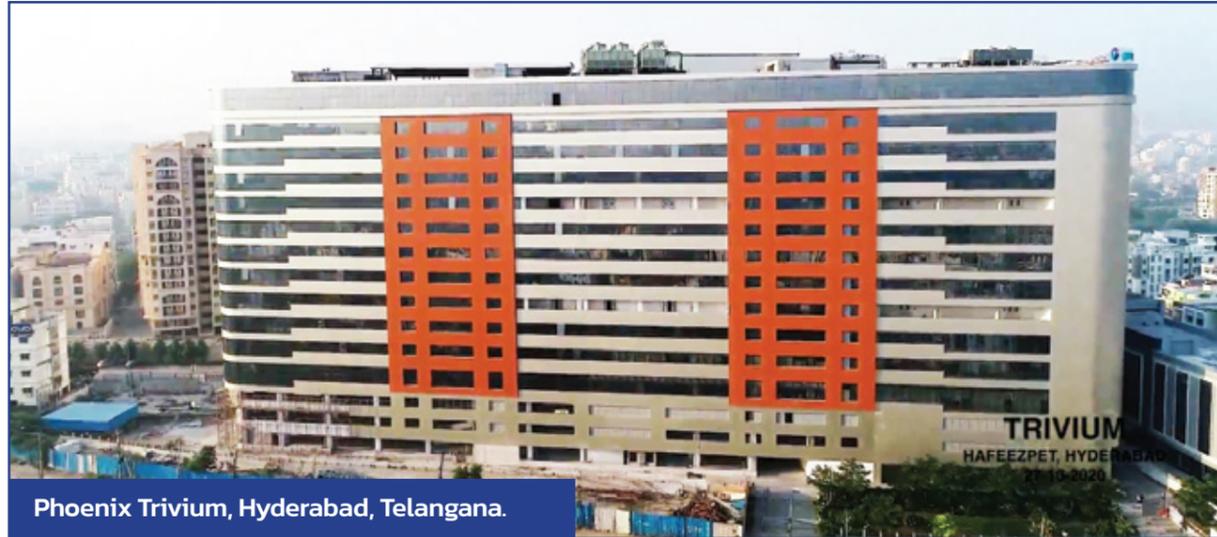


PCL Project at Taloja, Pune, Maharashtra

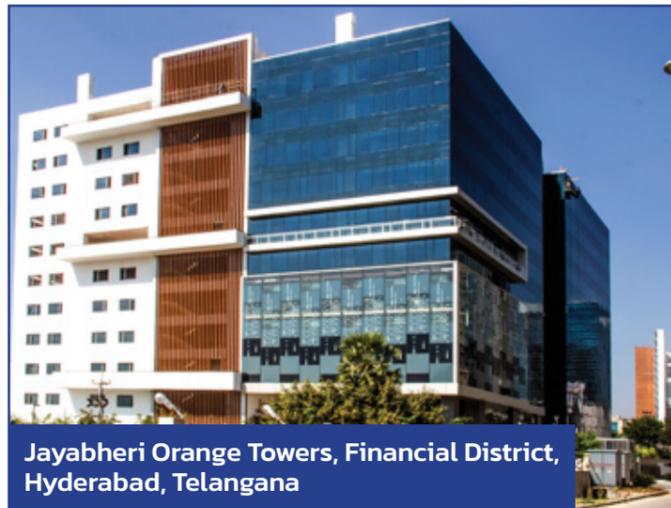


Toyo Engineering India P Ltd., Hindustan Urvarak & Rasayan Limited, Fertilizer Factory, Gorakhpur.

# AWARDS & RECOGNITIONS



Phoenix Trivium, Hyderabad, Telangana.



Jayabheri Orange Towers, Financial District, Hyderabad, Telangana



Phoenix IVY Commercial Building, Hyderabad, Telangana



Phoenix ETNA Residencial Building, Hyderabad, Telangana

CONSTRUCTION WEEK INDIA AWARDS   
Infrastructure Company of the Year  
PEB Contractor of the Year

IEI INDUSTRY EXCELLENCE AWARDS   
Excellence Award

VC CIRCLE AWARD   
Manufacturing Company of the Year

CIDC VISHWAKARMA AWARD   
Best professionally managed company  
Best PEB Building of the Year

TV5 BUSINESS LEADER AWARD   
Infrastructure Category(Medium)

IEI INDUSTRY EXCELLENCE AWARDS   
Excellence Award

CIDC VISHWAKARMA AWARD   
Best Professionally Managed Company

IEI INDUSTRY EXCELLENCE AWARD   
Excellence Award

CIDC VISHWAKARMA AWARD   
Best Professionally Managed Company

HMTV   
Best Manufacturing Company Award

GLOBAL LOGISTIC AWARD   
Best Pre-Engineering Design

ACCE(I)   
L&T Endowment Award

QUALITY AWARD   
Best PEB Vendor by Lodha  
Industrial & Logistics Park

WORLD QUALITY WEEK   
Best Prize in Campaign by  
Indospace

2010

IGBC   
Gold Rating

2013

NATIONAL AWARD   
Certificate of Commendation

2014

Business Today – YES Bank Award   
Excellence in Corporate Governance

IEI Industry Excellence Awards   
Excellence Award

2015

CIDC VISHWAKARMA AWARD   
Best Professionally Managed Company

ACCE(I) BHAGAWATI AWARD   
Outstanding Design of Industrial Plant

2016

CONSTRUCTION WORLD-TOP CHALLENGER AWARD  
Top Challenger

CONSTRUCTION WEEK INDIA AWARDS   
PEB Project of the Year-Runner Up

2017

DUN & BRADSTREET INFRA AWARD   
Industrial Building (Implementation excellence)

IEI INDUSTRY EXCELLENCE AWARDS   
Excellence Award

2018

CIDC VISHWAKARMA AWARD   
Best Professionally Managed Company

2019

2022

CERTIFIED BY   
Great place to work Institute, India

2023

GREAT PLACE TO WORK   
Best Gold Standard Workplace  
culture assessment

EHS EXCELLENCE AWARD   
Award in the Engineering category  
from the Confederation of Indian  
Industry (CII)

2024

HSE AWARD   
Award from Indospace towards  
achieving 50 Million Safe Manhours.

# Our Esteemed Customers & End Users



First factory in India to receive a Gold rating from the Indian Green Building Council (IGBC) and is in the forefront of the movement for a sustainable future



This recognition is considered as Gold Standard in work place culture assessment. This Certification program is a journey of building High Trust, High Performance Culture and we, as an organization, have successfully accomplished this milestone