



<https://www.poojaengineering.in/>

Company Profile



Delivering results,
reliability,
& rock solid dependability.



Think big. We do.

Who we are

From what we started as a small enterprise with a big dream, Pooja Engineering Company is today a name to reckon with. PEC is one of india's fastest growing manufacturer of Steel Structures and Space Frame. Headquartered at Chennai, The company is supported by its network of modern manufacturing units in India.

Pooja Engineering Company offers turnkey solutions from "Concept of Commissioning" to their client's in Design, Engineering, Manufacture, Supply and Erection of Pre-Engineered Metal Buildings. We have a full fledged Design and Engineering team operating from Chennai. Unless otherwise required, PEC are designed and manufactured in accordance with the Indian codes beside the US codes (MBMA, AISC, AISI & AWS) or any other local country codes.

What we do



Design, Engineering & Product Development

PEC steel office provides intelligent engineering solutions and support pre and post order functions with arrangement of fabrication and erection drawings. Our team of experienced design and engineering professionals are equipped with the latest sophisticated design software.

Manufacturing Facility

PEC steel associate manufacturing facilities are in India. Each factory is ISO 9001 certified and manufactures first class quality building system components. Fabrication bench marks are setup as per MBMA for PEB Members and AWS D-1.1 for welding.



Brand —

PEC key strength lies in its core values and convictions it stand by. What keeps driving this company's relentless success is its continuous strive to pace up its performance at every available opportunity.

A keen foresight, sharp business acumen, a people first philosophy together with a deep insight of the market, makes PEC an exemplary brand that the industry looks up to.

It shall endeavor to provide the market with high-quality products, delivered at agreed time lines at the most economical price.

It will strive to achieve organizational growth by providing a challenging and rewarding work place for its employees, an environment where individual excellence is appreciated and rewarded.

It shall demonstrate stewardship of its precious natural resources by continuing to manufacture environmentally safe products.

It is committed to continue as a reliable and trust worthy partner to its customers, employees and share holders.

It shall adhere closely to its mission and corporate vision and intend to achieve controlled sustainable growth through new product development, market diversification, strategic alliance and international expansion.

Our Vision

To be the Premier, Most Reliable, Innovative Supplier and Service Provider, in the Steel Construction Industry.

Our Mission

To supply high quality steel construction product and related services, in markets worldwide, utilizing innovative technologies in an environment of motivated human resources, ethical practices with continuous improvement and highest business standards, leading to added value to our customers and sustainable return to our shareholders.



PEC Project Excellence

Our Engineer works diligently to provide Cost Effective, Comprehensive, Design Calculations, Which can be easily understood and vetted by any third party. PEC Steel Buildings are designed and manufactured in accordance with buildings exceeding 100M.

Objective

To win number of satisfied customers.

Our Strategic Path: Knowledge-Understanding on Customer Requirements

Efficiency | Innovation | Reliability



Why US

SINGLE RESPONSIBILITY : One stop service provider for Design, Fabrication and Erection of Steel Structures.

MANUFACTURING CAPACITY : Pooja Engineering can manufacture and supply all steel components under one roof.

RAW MATERIALS: Pooja Engineering uses high quality raw materials, complete with relevant mill certifications and test report, thus ensuring that the proper raw material is used in compliance with the design specifications.

QUALITY CONTROL: We have in-house quality control and quality system manual to ensure that the end product and services are of the highest quality every time.

STRONG TECHNICAL AND ENGINEERING SUPPORT: In-house engineering services which provides speedy design, detailing and flexibility to accommodate changes at any stage of a project.

FINANCIALLY STABLE: Pooja Engineering is backed by its global partners with its established and excellent track record.

COMPLIANCE TO CODES AND SPECIFICATIONS: Pooja Engineering team designs your building according to your requirement and to the relevant design codes and specifications.

AFTER SALES SERVICES: Pooja Engineering provides assistance and supervision until completion of the project. AMC is also provided through our builders.

VALUE ENGINEERED SOLUTIONS: Pooja Engineering provides cost effective solutions along with aesthetics and 100% recyclable products.



Our Main Products are

1. Pre-Engineered Steel Buildings (PEB)
2. Space Frame Structures.
3. Heavy Steel Structures.
4. Light Gauge Framing System (LGFS) & Tensile Fabric Structures
5. Other Integrated Services



Conveyor System



Racking System



Solar Panel Solutions

With the development of construction, steel structures are now widely used in all kind of buildings. This comes with advantages for economically large spans, Which are earthquake proof and with spectacular aesthetics. Pooja Engineering has good engineering and construction experience with independent import-export rights and overseas project undertaking (EPC) qualification.

Application of Steels & Structures



Large Span Structure

Auditoriums & Sports stadium.
Power Plant, bulk coal storage & Domes / Barrel Vault
Cement plant bulk limestone, Gypsum storage domes
Convention centres & Exhibition Halls
Airport facilities & Metro Railway Stations
Warehouses & Solar Panel Solutions



Dome Structure

Factories / Industrial Sheds
Pedestrian Overpasses
Shopping Malls & Car Park Sheds
Atriums and courtyards Areas
Gas / petrol Stations & Bus Stations
Commercial Building with Composite Beams

Pre Engineered

Gravent | Rod Bracing | Roof Panel | Mezzanine | Double Flight Staircase | Eave Strut
Parapet Fascia | Glazing | Handrail | Roof Platform | Cage Ladder | Fixed Louvers | Wall Panel
Aluminum Window | Double Sliding Door



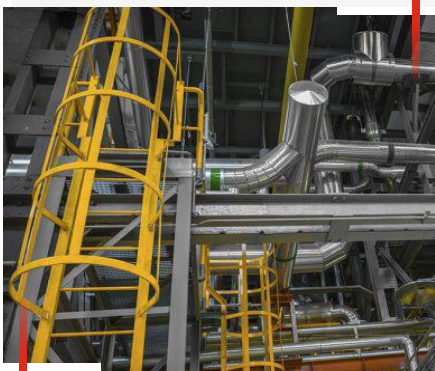
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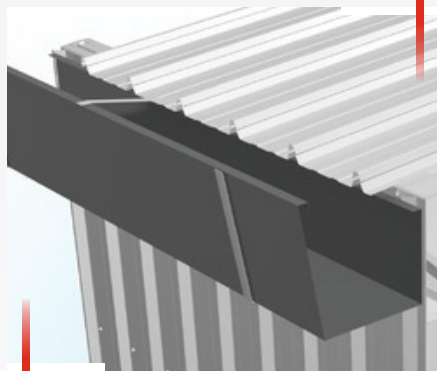
Fixed Louver



Double Sliding Doors



Cage Ladder



Eave Gutter



Down Spout



Industrial Louvers



Roof Panel / Sheetting

Metal Building

Wall Light | Curved Eave | Ridge Ventilator | Rotary Ventilator | Skylight | Roof Purlin
Sidewall Girts | Rigid Frame Rafter | Top Running Crane | Rigid Frame Column
Roof Monitor | Canopy | Down Pout | Industrial Louvers | Personal Door
Eave Gutter | Partial Block Wall | Roll Up-door | Corner Trim



Window



Roll Up Door



Roof Light



Roof Monitor



Ridge Ventilator



Turbo Ventilator



Roof Platform

Pre-Engineered Steel Buildings

Pre-Engineered steel Buildings are customized steel buildings that are tailor-made to user's architectural and engineering requirements.

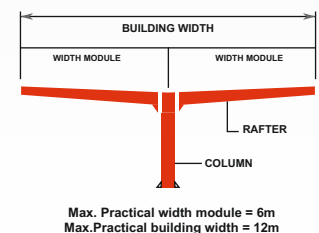
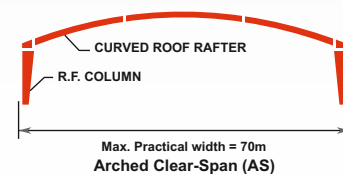
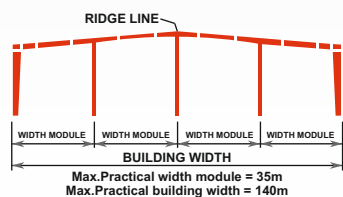
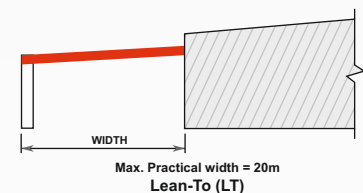
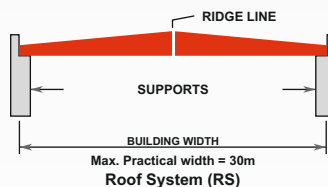
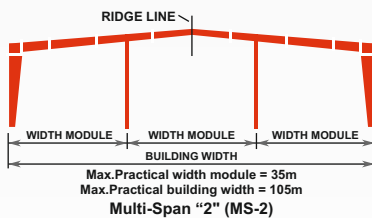
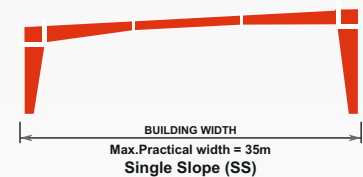
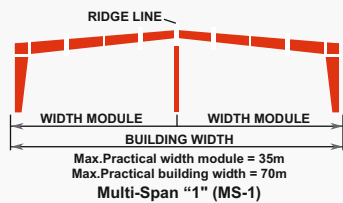
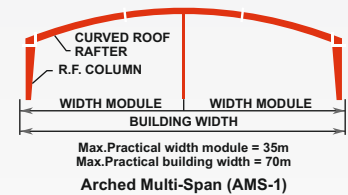
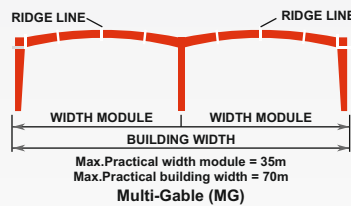
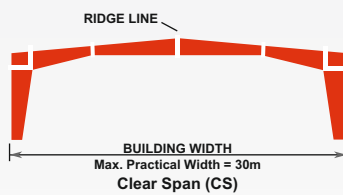
Frames of pre-engineered steel buildings are made from standard plates stocked by the manufacturers of the buildings. The pre-engineered steel building frames are normally tapered and have flanges and webs of variable thickness along the individual members.

The frame geometry matches the shape of the internal stress bending moment diagram, thus optimizing material usage and reducing the total weight of the Structure.

Pooja Engineering will design the proper and economical frame system to fit with client's requirements for building usages. The most common primary framing systems are shown below.



Building Frame Types



Accessories ---



Metal Roofing Fasteners



Nuts & Bolts



Anchor Bolts



Hillside Washer



Sealants



Closures



Space Frame Structures

Space frame structures are made by steel pipes joined in different angles. These are prefabricated three dimensional frame system. We use in-house developed software for design as per the International codes-ASIC, ANSI, ASCE and IS Codes

Advantages

1. Light weight and structurally stable.
2. Robust and earthquake resistant.
3. Less cost and erection time.
4. Design of service lines through elevated features.
5. Clear Spans up to 120m, can be easily executed.

Installation

Erection is carried out by our Network of Certified Builders Globally. The completed space frame shall undergo full and comprehensive final inspection before handing over to the end user.

Applications

Gymnasium, Club, Exhibition hall, Theatre, Warehouse, Airport Terminal, etc.



Heavy Steel Structures

Decking sheet: It is very difficult to distinguish light steel structure and heavy steel structure. Normally with steel thickness more than 25mm and building with crane lifting capacity more than 25MT are considered as heavy steel structures. Few usage of heavy steel Structures are : Shipyard, Automobile Manufacturing units , Cement Pre-heater plant, Cement Pre-calciner plant, Coal conveying trestle bridge, Large span bridges and Power plant Structures.

Metal Decking

Composite Floor Deck is a steel deck with a ribbed profile, which binds with concrete slab and together forms a part of the floor structure. Composite decking is one of the most effective method of constructing floors in steel building and very useful in high rise RCC / Steel Buildings. Metal decking can be effectively used in Multi-Storey buildings (Industrial / Residential), shopping malls, Super Markets, SEZs Silos, Storage Facilities, mezzanines, bridges, walkways, platforms, etc.

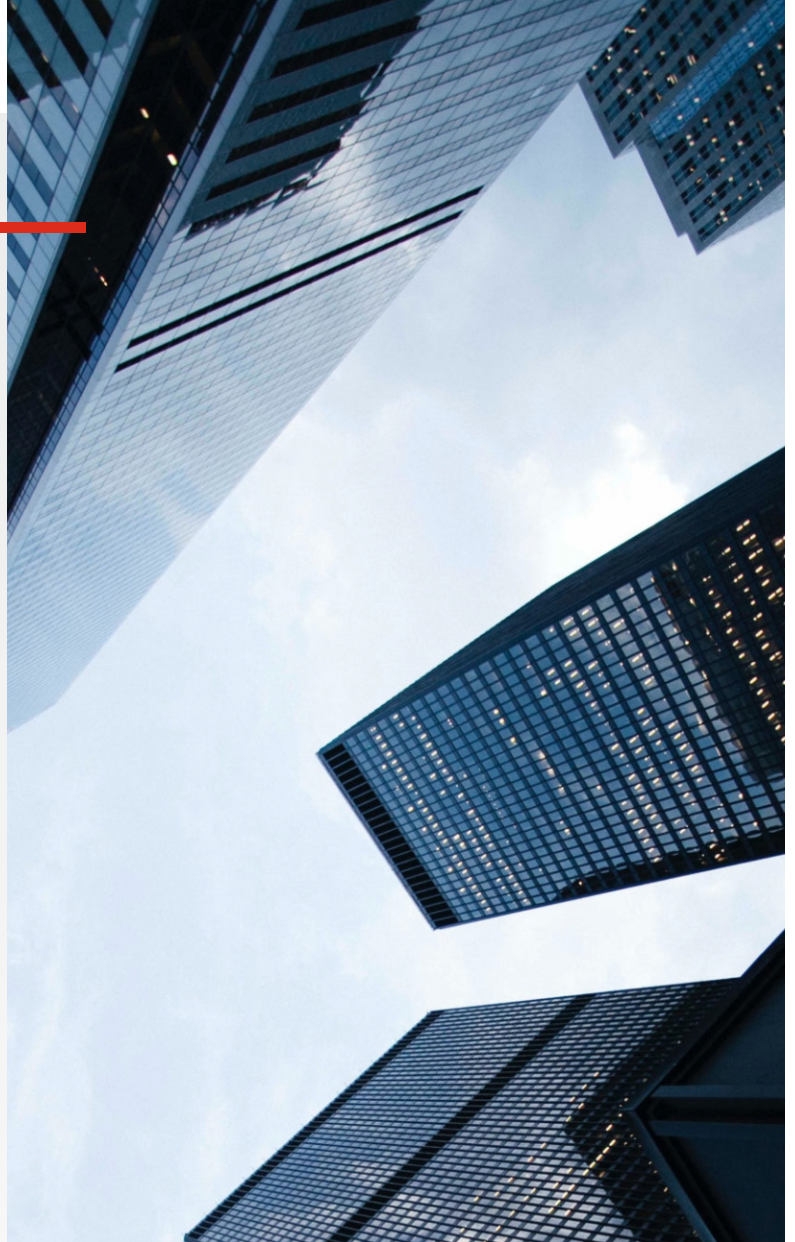
Light Gauge Framing System

The LGFS frame is assembled from cold formed galvanized steel profiles. In the gaps between the elements of the frame heat insulation material is placed and the frame is supplied with surface layers made of various materials, forming a layered structure.

Advantages

Light Weight * Rapid Construction * High Seismic Resistance * Recyclability * Cost Effective

The Amazing Steel: Steel is the largest recyclable material in the world. The green building concept guide give steel framing its highest five star rating and is considered green.



Tensile Fabric Structures

Tensile Fabric Structures are designed and manufactured as per International Standards and are very robust and architecturally pleasing.

Advantages

* Unique Design * Light Weight * Faster Installation



STADIUM / AUDITORIUMS / FOOD COURT etc.



RECREATIONAL

Manufacturing Facility



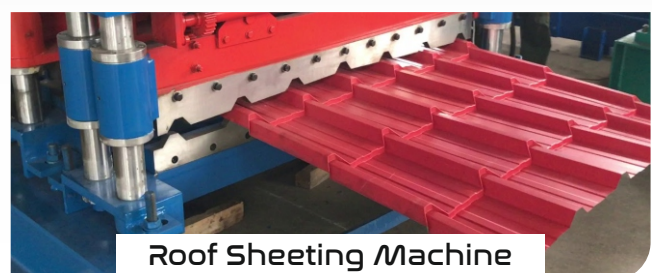
Beam Welding Line



CNC Torch Cutting Line



Z Purlin Machine



Roof Sheeting Machine

Other Integrated Services

Tensile Fabric Structures are designed and manufactured as per International Standards and are very robust and architecturally pleasing.



Roof Sealing solution



Truck Loader & Conveyor System



Racking System

Green Energy Solutions

Solar panels are devices that convert light into electricity. They are called “solar” panels because most of the time, the most powerful source of light available is the Sun, called Sol by astronomers. Some scientists call them photovoltaics which means, basically, “light-electricity.”

* Savings - Lesser Tariff Compared to Current Tariff During PPA Period and Free Power After that

* Govt Subsidy - Applicable * Monthly Payment - Pay for Solar Power Consumed

Silos

A silo is a structure for storing bulk materials. Silos are used in agriculture to store grain or fermented feed known as silage.

We can Design , Manufacture , Supply and Install Silo's of different capacities as per Indian & International Standard.





Safety —

We are Committed to Creating an Accident Free Work Environment for all our Employees and Contractors.

HSE Policy : Health, Safety and Environment Convictions - All loss can be prevented.
HSE performance is a line management responsibility - Everyone must actively participate.
HSE is equally as important as any other business concern.
Compliance with policies, standards, procedures, rules and regulations are vital.
All risk exposures must be reduced to an acceptable level.
Focus on elimination of at-risk behaviour is key.
Demonstrate commitment through visible and active leadership example.
Plan for HSE success in every task.
Do things in a healthy, safe secure and environmentally friendly way.
Management of HSE is an investment, not a cost.
HSE is a way of life 24/7.



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