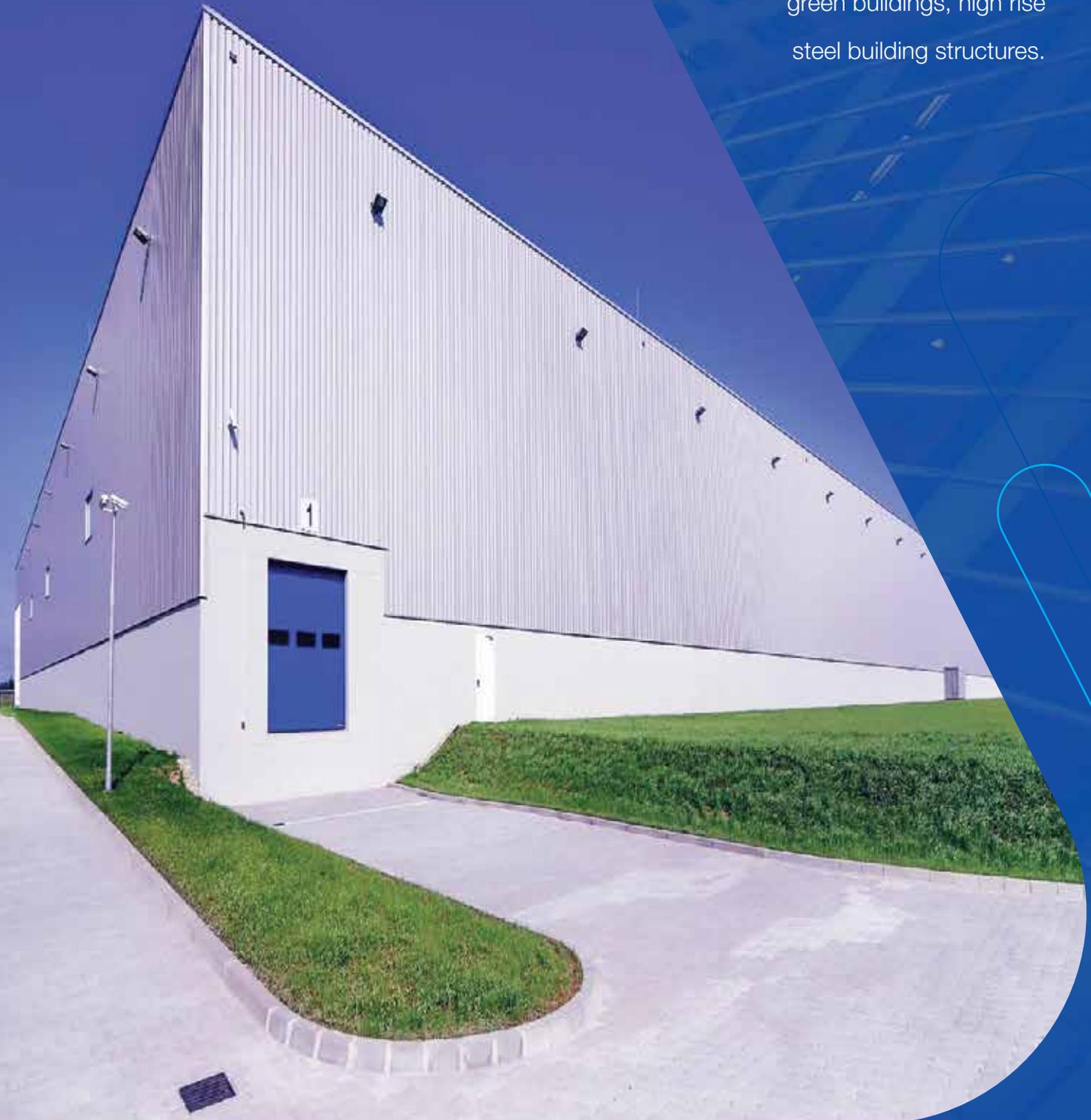




SHAPING
YOUR VISION
TO REALITY

Ananthagiri Industries is a futuristic steel construction solutions provider that specializes in the design, manufacturing, supply and erection of light to heavy & complex steel structures, pre-engineered green buildings, high rise steel building structures.





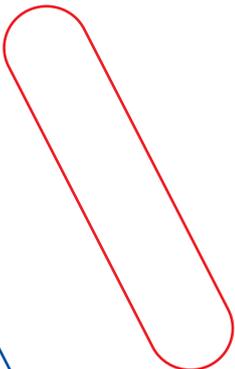
PRODUCTS

Pre-Engineered Green Buildings

AIPL provides not only ordinary Pre-Engineered Buildings, we provide Green Buildings. AIPL has the capability to design, fabricate and install conventional steel buildings to any complex buildings.

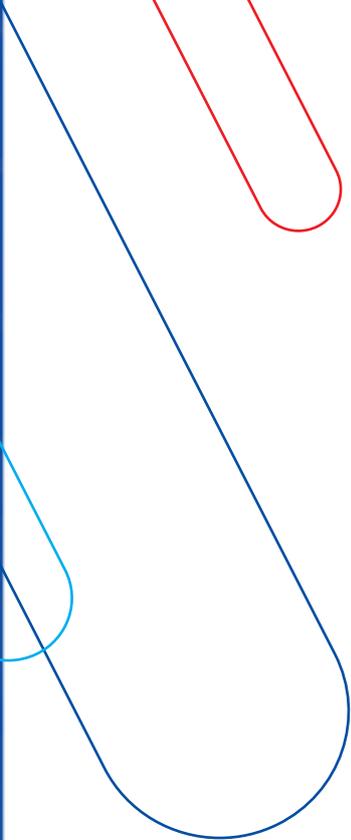
Our advanced cutting edge computerized designs and state of art manufacturing facilities provide enhanced project control, complete structural analysis, faster site erection, accurate project pricing and total architectural deliverance with lot of focus on detail and aesthetics.

We are well versed with the unique requirements of each Industry Sector. Above all, our highly skilled and experienced team operates with the zeal to translate smart engineering into smart buildings that can be customized and tailor-made to meet client needs.



Primary Structural Members

These are the main load-bearing and support members of a PEB. They play a very crucial role in the steel buildings and we understand the importance of these structural members in giving shape to the final building and hence we use the most advanced technology to ensure its strength and aesthetics. Primary Structural Members can be broadly divided into two categories: Main Frame and Additional Components.



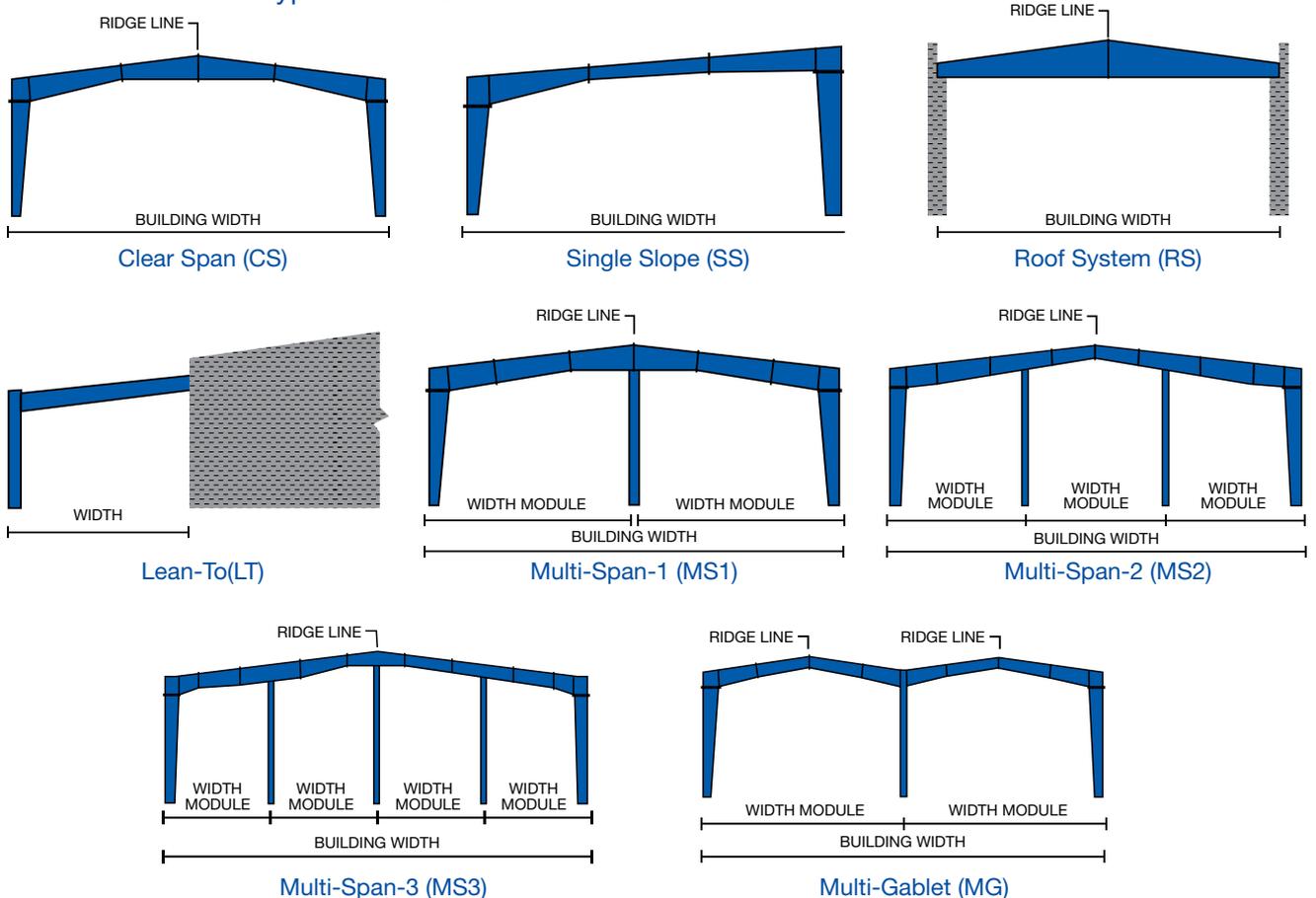


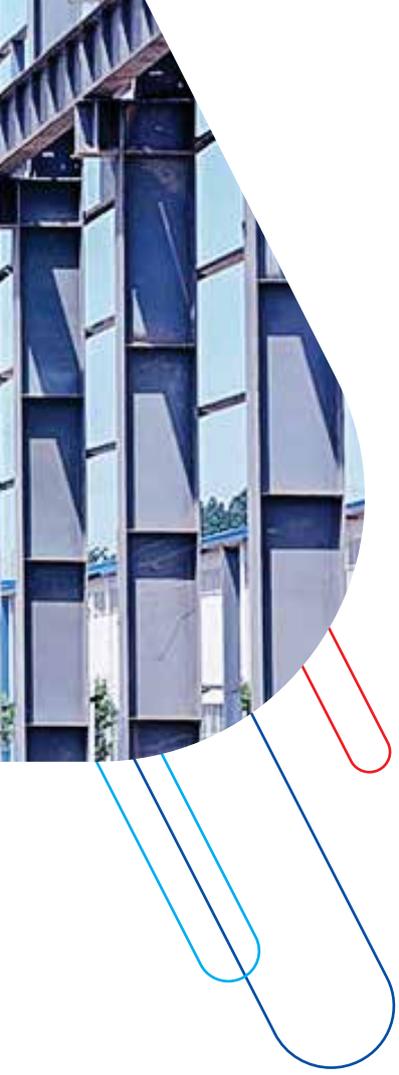
Main Frame

Main framing basically includes the rigid steel frames of the building. The PEB rigid frame comprises of tapered columns and tapered rafters (the fabricated tapered sections are referred to as built-up members). The tapered sections are fabricated using the state of art technology wherein the flanges are welded to the web. Splice plates are welded to the ends of the tapered sections. The frame is erected by bolting the splice plates of connecting sections together.

At AIPL, all components are designed in accordance to the latest Indian and International standards. AIPL offers various framing systems depending on requirement and applications: AIPL Rigid Frames, being economical and offering column free space, are ideal for huge plant layout. We can design the buildings even up to a clear span of 100 meters.

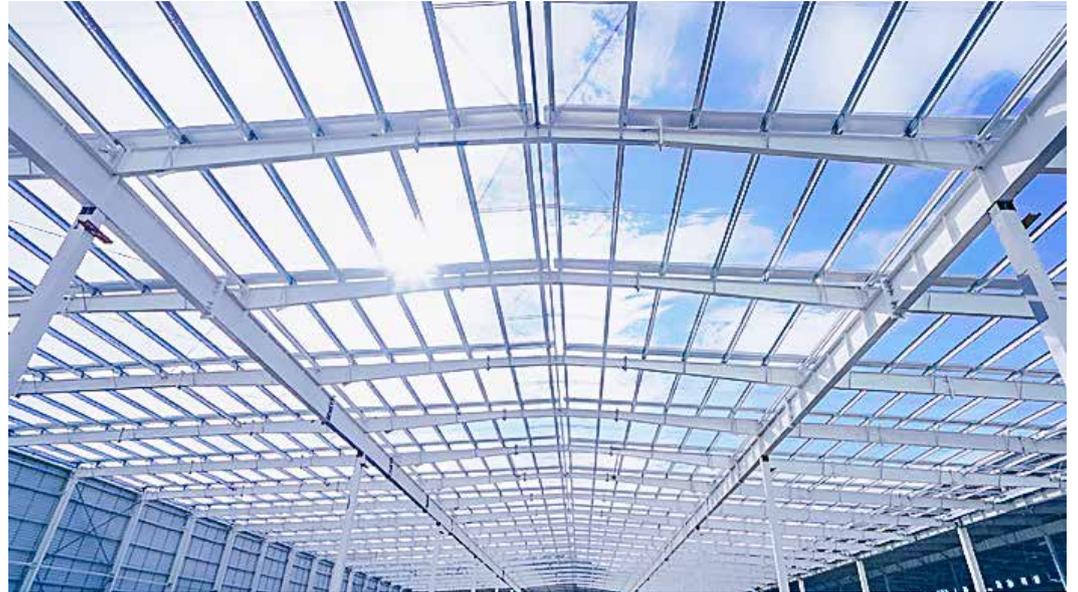
Types of frames





Secondary Structural Members

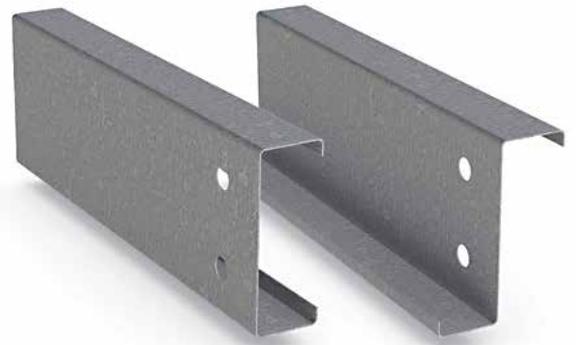
Secondary members are load-carrying members suitable to ensure the stability of the building against forces from all directions. These include:



Purlins & Girts

Purlins, Girts and Eave Struts are also known as Secondary Cold-formed Members. There is no welding involved in their preparation. They are prepared by just bending the steel coil giving it the desired shape (Z-shape for Purlins and Girts, and C-shape for Eave Struts).

Considering the higher strength to weight ratio of CRF Sections, Z and C Purlins are very popular in the construction of steel buildings.

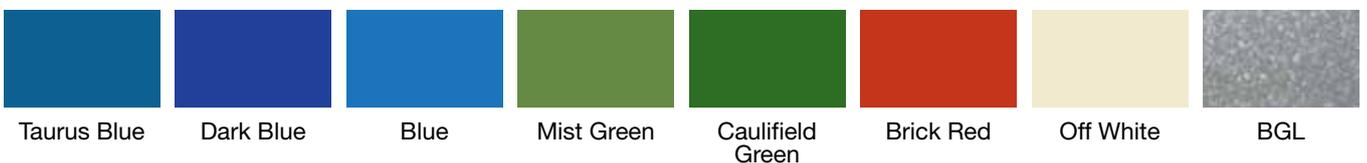


Sheeting and Cladding

AIPL manufactures and supplies Trapezoidal Profiled Roofing sheets in Bare Galvalume / Colour Coated Galvalume / Colour Coated Galvanized Steel with thickness ranging from 0.47mm to 0.8 mm. Profiles are supplied in exact cut to length up to 12 meters as per customer's requirement.



Standard Shades available



and other colours based on customers requirements are available



Mezzanine System

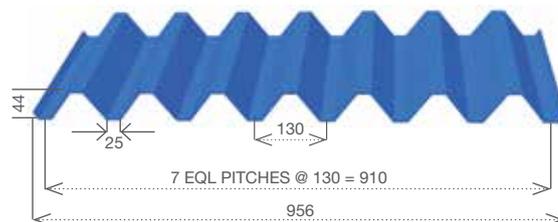
Standard mezzanine structure consists of built-up beams (that may be tapered for large spans or heavy loads) that support built-up, hot-rolled or cold-formed mezzanine joists which in-turn support a metal deck. A reinforced concrete slab is cast on the metal deck as a finished surface. The metal deck is not designed to carry the floor live loads, it is intended only to carry the reinforced concrete slab during pouring. The reinforced concrete slab must be designed to carry the floor loads. Interior mezzanine stub columns are hot rolled tube sections or built-up sections.

Deck Sheets

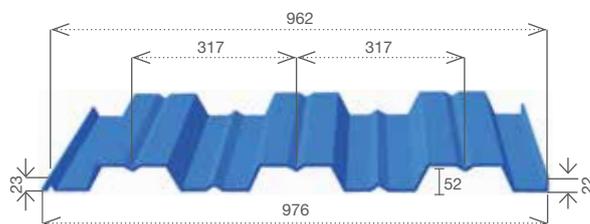
Composite Deck sheet is a steel profile with ribs, embossments which helps in binding with concrete slab and together forms a part of the floor structure. This interlocking between the concrete and the floor deck creates a reinforced concrete slab that serves the dual purpose of permanent shuttering and reinforcement. In recent times, Composite decking has become the most effective method of constructing floors in steel buildings and has tremendous advantage in high rise Buildings.

AIPL has the facilities to manufacture deck sheets with the depth of 44 mm and 52 mm based on the client requirement.

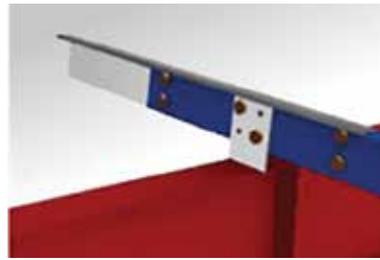
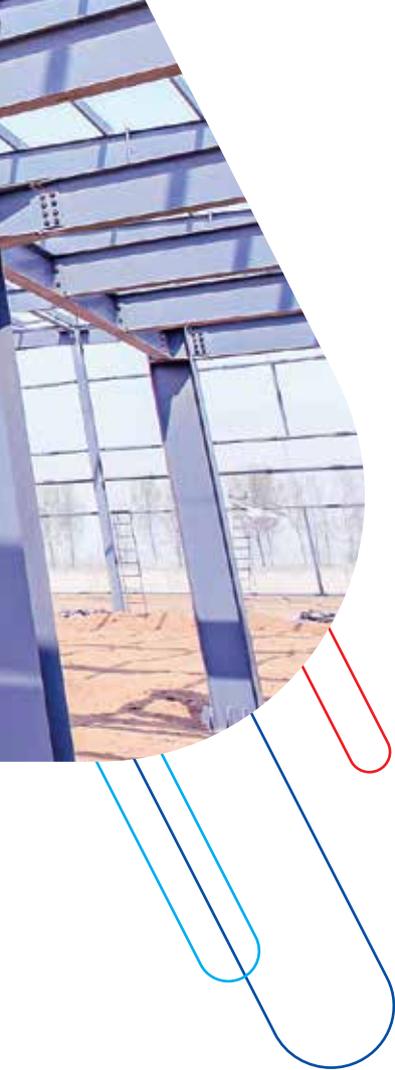
TUFFDECK - 44



TUFFDECK - 52



Deck sheet thickness range from 0.8 mm to 1.6 mm.



Eave Strut

Eave Struts are typically constructed from cold formed 'C' sections and are rolled to suit the roof slope. Their primary function is to support the gutters and also to act as a junction of the roof and the wall cladding.



Cable Angle/Rod Bracing

This member is designed to ensure the stability of the building against forces in the longitudinal direction due to wind, cranes, earthquakes etc.



Open Steel Web Steel Joists

These are long span, load-carrying members suitable for direct support of the floors and roof decks in buildings.

Standing Seam Roof System

The AIPL Standing Seam roof system is one of the strongest and most weather-tight standing Seam Roof Systems available in the industry today. The Standing Seam Roof System acts as a monolithic membrane that completely protects your buildings. It is the most recommended roof systems for tropical, rainy, snowy or high wind (cyclonic) regions.

Standing Seam is also offered as an Ultimate Re-roofing Solution allowing for installation over an existing through-fastened rib type roof without removing the existing roof panels.





High Rise Steel Buildings & Heavy Steel Structures

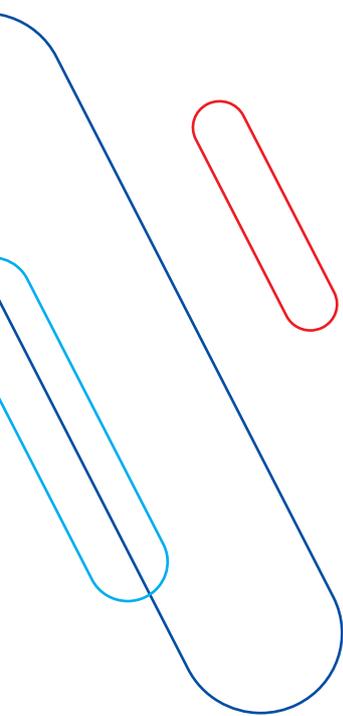
AIPL provides design, supply, fabrication and erection of a wide spectrum of structural steel works for use in the construction of buildings and varied portfolio of projects such as high rise buildings, shopping malls/retail centres, stadiums, airports, long span roof structures, industrial, and process plants, bridges, metro stations, and multi level parking systems.

We ensure that all fabrication and erection works are carried out strictly in accordance with approved health, safety and environmental requirements and quality is maintained at the highest level at all times. All our activities are backed up with experience and expertise of project management & erection methodology.

Steel Structures for Infrastructure Industry

AIPL undertakes design, fabrication and installation of steel structures for various Industrial sectors in Infrastructure such as:

- Power Plants
- Cement Plants
- Water & Sewerage Treatment Plants
- Textiles/Chemical Plant
- Road & Rail Bridges
- Other Major Infrastructure Projects





ACCESSORIES

Anchor Bolts

Bolts used to anchor the structural members to the concrete floor, foundation or other support. This usually refers to the bolts at the bottom of all columns. Anchor bolts are manufactured with circular steel rods having threading portion at the top for bolting and bent up at the bottom for foundation.



Turbo Ventilators

A Turbo Ventilator is a free-spinning roof ventilator that works on free wind energy. When there is a difference in thermal or wind pressure between the inside and outside of the building, the air is forced to move through the opening of the Turbo Ventilator in order to maintain an equilibrium condition. The benefits of using turbo ventilators are that it improves air circulation and cuts off the suffocation. Eco-friendly Turbo Ventilator involves no operating cost, is free from maintenance, and are has trouble-free operations.



Sky Lights (or) Wall Lights

Sky lights may consists of poly carbonate sheets which is translucent sheet that allows maximum light and minimum heat. High strength translucent panels are glass fiber reinforced polyester, high strength and may be either and it provides with an estimated light transmitting capacity of 60%. High strength translucent panels match standard panel profiles, are 1/16 thick, weigh 8 ounces per square foot, and are white with a granitized top surface. Insulated translucent panels are available in type 1, "R" panel and standing seam profiles only. Damper, Standard size is 3000 mm long with a throat opening of 300 mm.



Louvers

Standard Louvers shall have a 26 gauge galvanized steel frame, painted, with 26 gauge blades. Heavy Duty Louver frames shall be 18 gauge galvanized steel frame, painted, with 20 gauge blades. Both Standard and Heavy Duty louvers shall be self-framing and self flashing.



Fasteners

Standard fasteners shall be self drilling screws with metal and neoprene washers. All screws shall have hex heads and are zinc plated.





MANUFACTURING FACILITIES

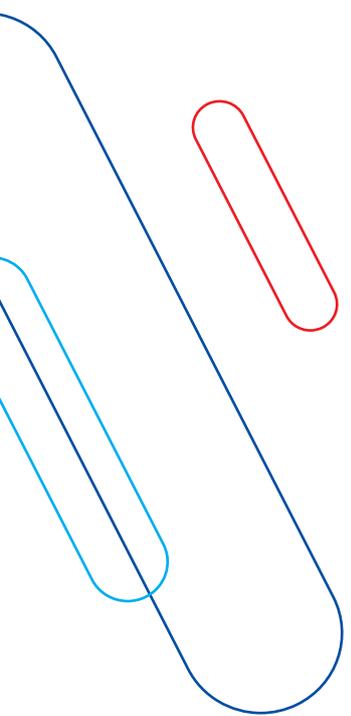
AIPL is having a capacity of 24000 MT per annum state-of-the-art fabrication facilities by using latest cutting edge technology and machinery at Mominpet on the Sadasivpet - Vikarabad state highway 60 km away from Hyderabad.

Manufacturing is the value-added process and art of metalworking that involves the building of structures by cutting, shaping, hole-making, assembling and welding of steel before they are loaded and taken to the site for their application.

Once the detailed drawings are obtained from the engineering offices, extensive steel preparation is carried out. Once the material is ready, our machines are programmed with the appropriate values for the different parameters as per the requirement and application.

The fabricated parts are then assembled and welded into place to form the final structure before being checked for accuracy. The product/structure is then shot blasted (as per SAE 1 or SAE 2.5 standards) and painted based on the required specifications.

Our highly skilled and experienced team of operators, material handlers, fabricators and welders is equipped with all the adequate machinery needed to carry out accurate and timely manufacturing. We offer superior components & products, which go through strict quality control and inspection and are worked upon with high-precision, sophisticated manufacturing equipment.





SERVICES

We apply Innovative Engineering with strong design team ably lead by highly experienced technocrats with the help of latest cutting edge technology, software and systems.

We believe that the design is heart of any creation. We perform 3-D analysis to ensure we provide right and most optimum design. Our commitment is to provide smart, green and sustainable construction solutions and effective project management. Since the company's inception, we have been laying great emphasis on quality and have been investing in the best of technologies to design.

We take immense pride in having one of the most innovative design teams in the Industry. Our team of designers and detailers has executed extensive projects, which demanded complex engineering inputs like large spans, complex forms, heavy sections, etc.

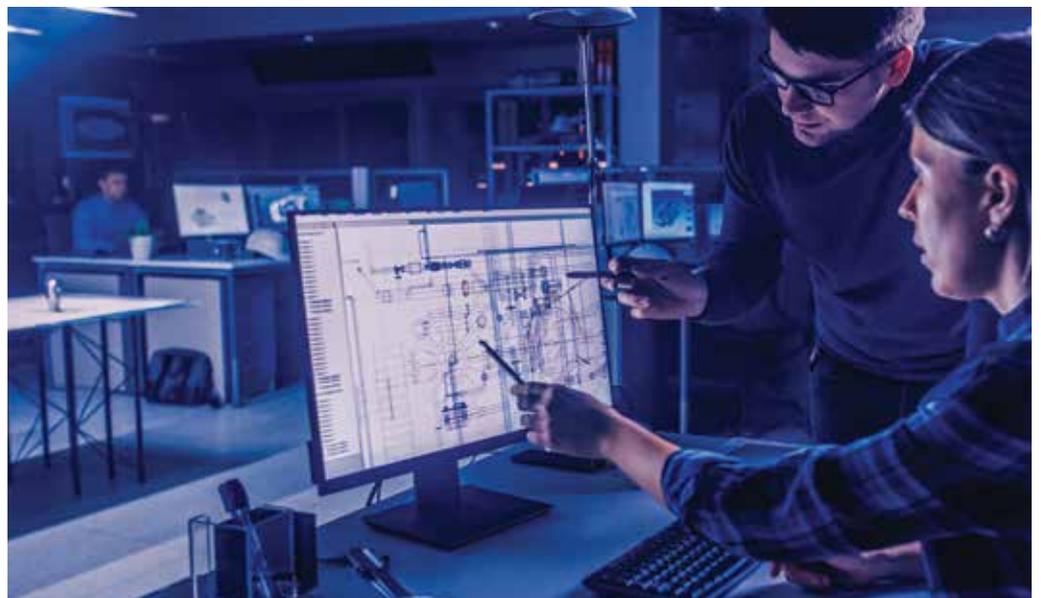
AIPL has expertise in innovating customized and economical designs. Our team uses specialized software such as Staad Pro, Tekla Structures and AUTOCAD that is fully integrated with manufacturing which are highly efficient that enables desired accuracy in manufacturing processes, it enables the architects, consultants and engineers to collaborate and design a structure down to the minutest detail, giving accurate analysis and details related to the entire structure of the building. Our software supports various architectural approaches, accommodates revisions and reduces both design and estimation time by providing relevant costs at an incredible speed.

Moreover, it also complies with building codes like AISC, BIS, IS, BS among others and incorporates varying needs of the region through post site evaluation weather loading factor calculations.

As providers of quality structural engineering services, we work closely with our clients to provide efficient, end-to-end engineering solutions for all their requirements with definitive solutions for time and cost overruns.

TURNKEY SOLUTIONS

At AIPL, we provide turnkey steel solutions right from the concept to the final delivery. This includes civil, mechanical work along with design, manufacturing and erection for selective projects.





Registered Office

4th Floor, Plot no. 227, Mathrusree Nagar,
Miyapur, Hyderabad – 500049, Telangana

Mobile: 76600 78989, 76600 81212, 76600 01105

E-mail: marketing@ananthagiri.com

Factory

Survey no. 331 - EE, 331/A2, 331/A/4, 331/AA1,
379/AA , 380, 381/AA, Mominpet Village,
Vikarabad district – 501202, Telangana