



Dear Sir,

We take this opportunity to give an introduction of our company to learn more about our activities and scope of work.

Loya Constructions Pvt. Ltd. was founded in 1989 by Group of Technocrats with above 25 years experience to design, manufacture and supply top quality pre-engineered steel building for use as factory buildings, warehouses, workshops, distribution centers, showrooms, aircraft hangars, schools sports halls, supermarkets, office buildings, car parking sheds and any one or two storey buildings.

The most notable advantages of pre-engineered buildings are low initial investment, fast Construction time, low maintenance cost, large clear spans, infinite choice of layouts, inherent resistance to earthquakes, ease of future expansion and unique attractive appearance.

Besides pre-engineered steel buildings LOYAPEB has the manufacturing facilities for Cold Roll Formed Sections in variety of various sizes and specifications to meet the requirement of wide spectrum of industry viz Construction, Automobiles, Railways, Material handling, Power generation, Furniture, Decorative components etc.

Our PEB building system is unmatched in its speed and value. Buildings, to suit specific needs, are designed, engineered, manufactured and shipped in less than 8 weeks Clear spans up to 60 meters wide and eave heights as high as 25 meters are possible. This functional versatility makes pre-engineered steel buildings suitable and attractive for industrial, commercial, recreational, institutional, hospital, educational, aviation and agricultural applications.

Actually, pre-engineered buildings can be used for almost any one or two storey building as can be seen from the enclosed product brochure that contains pictures of numerous applications or you can visit our website.

Our Factory is located at Aurangabad Industrial Estate, Maharashtra which is easily accessible by road and train. Please contact the undersigned for any technical assistance on using Pre Engineered. Building system on your upcoming project. We can support you from the planning stage of your project & work with you and to realize the pleasure of doing business with Loya Constructions Pvt. Ltd.

Being as a reputed name in industry, we wish to enroll our name with your organization for supply of steel-buildings & accessories to your organization.

We look forward to meet you at your convenience to discuss the details of your upcoming projects. We assure you the best of our attention at all times.

1). What is the main difference between current conventional steel construction in India and the LOYAPEB systems of construction?

LOYAPEB delivers the complete steel building package to the site from a single supplier as a fully finished product. This includes the structural steel, cladding system and building accessories. Site erection is fast and simple - just bolting together the various building components as per the erection drawings provided. No site fabrication or welding is involved. This result in significant saving in construction time and superior quality compared to conventional steel construction.

PEB System is highly efficient in design due to synergy between building components. Primary members are made of tapered built-up sections and roof/wall secondary members from cold rolled sections designed as continuous beams. High strength steel is used. All structural elements are fully optimized by the computerized design program.

2). What are the advantages of LOYAPEB?

Reduction in project cost: Cost savings primarily result from above time saving on the Project. This also results in earlier realization of revenue to owner on a commercial project.

Saving in construction time: About 30-50% time saving in total project schedule due to fast delivery and quick site erection.

Low Maintenance: High quality paint systems are available for steel and cladding to be provided along with maintenance free service life.

Large clear spans: Buildings can be supplied in clear spans up to 60 meter, particularly suitable for aircraft hangers, sports facilities, etc...

Flexibility in expansion: Buildings can be designed for future expansion in length, width and height.

Energy efficiency: Buildings are supplied with roof and wall insulation to reduce energy costs and improve comfort level inside the building.

Superior quality: Complete manufacturing is done in plant as per ISO 9001 quality assurance standards.

3). Are PEB systems suitable for Indian and Overseas weather conditions?

Yes, LOYAPEB has supplied buildings for a range of weather conditions including snow conditions, high desert temperatures, high humidity, proximity to sea, heavy rainfall, cyclone wind speeds, seismic loads, etc... Based on the ambient conditions at site and building usage, we will design and manufacture the building to the specified requirements.

4). Do you provide a complete building package? What about flooring?

We can supply the complete steel building including standard accessories. Accessories that are not manufactured by LOYAPEB can be supplied as buy outs (Rolled Up Doors, Cranes etc.) and can be included in LOYAPEB scope of supply. For mezzanine floors we will provide the steel framing and steel deck. If the flooring is of pre-cast concrete panels, we will provide the floor supports beams.

5). Is there any limitation on the minimum size of building?

No, LOYAPEB can provide a small car park shed to massive industrial complex comprising thousands of square meters of covered area.

6). How much is the saving in foundations?

The saving would be basically due to less number of column foundations due to large spans and bay spacing plus reduction in column reactions due to less dead load of steel. It is not possible to quantify the cost savings as it would vary by type of project. Pre-Engineered Building utilize pierced (column) beam as a general rule which results in lighter foundation.

7). How do IS codes compare with American codes?

IS codes are of an old vintage and design and serviceability criteria are based on older materials and do not take into account cost saving with finding high strength materials. We recommend accepting latest International design codes as these have been used literally in millions of PEB buildings in North America and other parts of the world and have a proven record of safety. Each year in the US alone, about 2 Million tons of PEBs are sold based on International codes. Also American codes are continually updated based on the latest research findings. Hence these codes result in a more economical and safe building. IS codes are more conservative and will increase weight and cost without adding value to the building. However, if a client insists on IS codes we will design and supply in accordance with these or any other codes.

8). What is the thickness of your sheeting?

Our Standard sheeting thickness for roof/wall cladding is 26G. These are available in various colors.

Other thicknesses can be offered too on special order with comparatively longer delivery time period.

9). How do I get quote for a LOYAPEB?

The inquiry should be sent to our sales office in your region. We will design and price each project based on the specifications provided. We will submit a proposal offer with detailed scope of supply, price, delivery and payment terms. On request, Proposal Drawings with column reactions are provided.

9). Do you also design the foundation?

Yes LOYAPEB will provide column reactions and base plate details on an Anchor Bolt plan drawing. It is our responsibility to design the foundations to support the column reactions based on local conditions.

10). Do you provide design calculations?

Yes LOYAPEB will provide design calculations for the building, whenever requested, for approval by consultant / client.

12). Are your connections site bolted or welded?

All field connections are only using bolts. There is absolutely no site welding required. This is one of the major advantages with LOYAPEB, which considerably reduces the time for site erection.

13). Can LOYAPEB provide portable type units for field offices, stores and small workshops?

As the Building is assembled at site by using nuts and bolts, the units can be dismantled and shifted to new locations and reassembled. We can also provide small portable units which can be transported on trucks in one piece from place to place.

14). Economy is very important in warehouse construction for lease purpose. Will

LOYAPEB deliver the goods taking this aspect into account?

LOYAPEB is ideally suited for warehouse construction. We have supplied several thousand warehouses in India for the state and private warehousing corporations. Due to the significant optimization capabilities of our system and the quick delivery, the customer will benefit from cost and time savings on the project.

15). It appears that you have to predetermine all the requirements before ordering the building.

It may not be possible sometimes. What is the flexibility available for any change in requirements later?

It is more economical to initially design the building incorporating future requirements like future increase in width, length, loading additional cranes, etc. This will avoid any site modification work later.

However in cases where client needs a building modification which was not previously considered, this can be done at any time by site modifications. However, to avoid this, normally, consultants take a conservative approach and initially specify higher design loads to cover for future requirements.

16). How do you quote the rates? What is the mode of payment?

We do not quote unit rates. LOYAPEB will design and price the building and sign the contract based on fixed lump sum price. The standard mode of payment is 20% down payment and balance by L/C.

17). What sorts of details of erection assistance is provided by LOYAPEB?

LOYAPEB provides detailed erection drawings, Erection procedures manual and free technical assistance through visit of LOYAPEB's Technical Representative to the site during erection. LOYAPEB also carries out erection works on a turnkey service.

18). Is it possible to dismantle the building and reconstruct it at another place? What will be the cost of the new and reassembled building?

Yes, since the building is site assembled using nuts and bolts, it is possible to dismantle and rebuild at a new location. The cost-benefits have to be worked out on a case by case basis which would depend on size, complexity and distance to new location.

19). Can we have a masonry wall as exterior skin/interior partition as in the case of residential buildings -from bondage point of view between structural steel and masonry walls?

Yes, Masonry walls can be tied to the Building Steel columns with ties for lateral support. In such cases LOYAPEB will design the structure with low horizontal deflections to prevent cracking of masonry.

Sometimes consultants will detail the masonry wall to be isolated from the steel structure which will allow for more optimization of steel building and lower cost. When required, we can also provide beams to support masonry walls above openings etc. LOYAPEB Building design will follow the requirements of the architectural drawings on any project.

20). Is it possible to have concrete slabs for different floors and how is the slab laid above the steel structure?

Yes, LOYAPEB provides steel deck over steel floor framing to cast sit in slabs. The steel deck acts as a shuttering to support the wet concrete. The slab should be reinforced and designed for the total floor loads.

21). What is the percentage of saving in cost of foundations using LOYAPEB compared to conventional steel buildings?

Due to lower self weight, we estimate savings to be at least 7% However if you compare with local method of using fixed bases versus pinned bases in LOYAPEB Building design the saving would be in excess of 27-40%.

22). Will you provide design details before supplying / erecting your structure?

Yes, LOYAPEB will submit detailed design calculations and drawings to client for approval prior to fabrication of the building. All comments received from client on the approval drawings are incorporated by us in the final Erection Drawings and in fabrication.

23). What is the minimum thickness of your Primary members?

Unless otherwise specified, the minimum thickness for built-up sections is 5 mm which complies with ISO and AISC code too. However, if a client specifies any other minimum thickness, LOYAPEB will provide the same.

24). What is the alternative of Rod bracing if they are to be avoided?

We can provide angle bracing instead of rod bracing when required. At walls when rod bracing is not allowed due to access or other reasons, we will provide portal bracing as per design requirements.

25). How do you control temperature inside the building?

LOYAPEB will provide insulation at roof and wall to achieve the required temperature value. To control the temperature inside the building beyond this value requires the client to provide a suitably designed HVAC system.

26). Please explain compatibility to fire resistance requirements of main structural frames, covering etc..? Modification to existing structure - Is it done by welding or bolting?

Fire resistance on steel structure can be achieved by enclosing the steel with a fire protection system. This can be done by spray application of fire resistance coating on steel members or enclosing the steel with gypsum board as per UL approved details. We will design the system to achieve the required fire rating. To field stiffen an existing structural member, it is normal practice to weld cover plates, angles, web stiffeners, etc., as per design requirements. LOYAPEB can provide the required detail when requested.

For any further enquiry & assistant Please feel free to Contact any time. We will feel happy to solve your queries

Yours Sincerely

Loya Pre Engineered Buildings Pvt. Ltd.

Gut No.13, Shendra Jahagir, Near Skoda Auto India, Near MIDC Shendra,
Aurangabad. Maharashtra-431 201. INDIA

Tele, Fax – 91 240 2622264, 2622265.