

## About us

Zeal Faron is a mechanical and civil design, fabrication and construction firm, specialized in design, product development and building construction. We build close relationships with companies, both large and small, and help them in their crucial projects to get where they need to be. Zeal Faron has over Two decade of rich experience in Providing Design, manufacturing and construction solutions for the applications like Steel building design and construction, Steel estimation, Wind turbines, Automobile, Aerospace, Industrial robotics & automation, Power Plants, Cement Plants, Oil & Gas Plants, Water Treatment Plants, Process Plants, DG Automation, Energy Monitoring, Load Management, Material Handling, embedded & PLC-SCADA System... and many more.

Our innovative engineers and machinists provide a suite of design, development and services including complex modeling, new product design, industrial design, 3D printing, rapid prototyping, CNC fabrication, Team center services, and associative design tool development. Our engineering services transform ideas to manufactured products. Our methodology is to always plan for evolution and to create project flexibility from day one. And our goal is to get our clients where they need to be.

In addition to design, fabrication and construction we also provide steel structural estimation, quantity surveying, technical guidance over steels and much more...

## Steel structure estimation and calculations

### ➤ Steel Design

Steel buildings are art and science of construction bringing together the imaginary into reality by vision of owner & designing of architect with the workability of steels adhering to the respective standards, fabrication and erection of envisaged structure.

### ➤ ZF's Vision

Our vision is to provide structural steel detailing services to fabricators, contractors, design firms, consulting architects, engineers and EPC companies primarily in India and across the globe. ZF's goal is to provide approximately precise quantification of steels used in construction pre-bidding by converting all steel arrangement drawings into steel list.

### ➤ ZF Offer's

Design & Detailed engineering of:

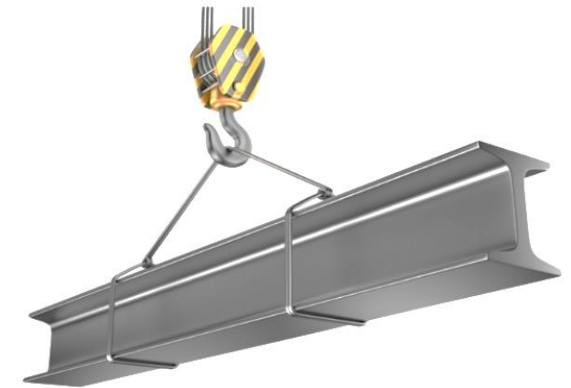
- Structural Steel
- 3D Modelling
- Weight/ Load calculations
- Project Management
- Estimation & material take-off
- Quantity surveying
- Engineering solutions

### ➤ Why ZF.?

- Fleet of professional engineers to provide steel detailing, design and calculations
- Adhering to quality and on-time commitment.
- Technology driven resources
- Industrial standard & best practices
- Extensive knowledge of end to end steel detailing process
- Transparency in all stages of tendering which leads to reliability
- Flexible business approach and pricing models

# Zeal Faron India Private Limited

[www.zealfaron.com](http://www.zealfaron.com)



Innovation starts with us



## Building construction

Zeal Faron's Construction Systems has been providing leading-edge, total advanced technology solution for the manufacture of lightweight steel frames and trusses buildings combine with the modern technologically advance low cost and higher strength wall materials that reduces the total cost of the building construction by half than the conventional Sand and Red brick technology

- ZF make accurate calculations during the building design, while making the floor plans
- Calculations are made using advanced software's that ensures the building lasts for the required life time it is intended to survive, gravity loads and natural calamities
- Accurate Process planning and cost calculations and complete transparency in sharing incurred cost and all the other information's.

## Building Types

### ➤ Residential

Zeal Faron's technology for the production of light gauge steel frames and trusses is market proven in competitive volume residential group housing projects.

The technology can be used to manufacture light gauge steel frames and trusses for a range of projects from volume one and two low rise residential group housing projects to five level apartment buildings.

### ➤ Commercial Structures

Zeal Faron's light gauge steel framing technology has excellent commercial capabilities.

The 140mm Panelised Fabrication System can build standalone light gauge steel structures up to 8 levels high.

The light gauge frames for a commercial building can be built onsite including with the rollformer operating on each floor as constructed or in a factory with framing transported to site.

### ➤ Steel Trusses

Zeal Faron's truss fabrication system has both residential and commercial capability.

The truss technology uses a patented top hat profile and an engineered bolted connection. The truss technology is fully engineered and can produce roof trusses and floor joist trusses.

### ➤ Transportable & Modular

Zeal Faron's panelised fabrication system allows high speed manufacture of transportable and modular houses in factory environments.

### ➤ Social Housing

Zeal Faron's light gauge steel frame & truss technology has been used for social housing and humanitarian projects in a number of countries.

## Machine design and fabrication

Zeal Faron designs and fabricates all kind of special purpose machineries and has been active in the CAD and product development service business. Zeal Faron has vast experience in Providing Design and manufacturing solutions for the applications like

- Wind turbines
- Automobile engineering
- Industrial automation
- Material handling
- Oil and Gas plants.... and many more.

We provide the following high quality services for very suitable prices.

- Gear geometry and rating calculation.
- Bearing selection and life calculation.
- Shaft design and strength calculation.
- Calculations for keys, spline and other machine elements Design
- Structural calculations.
- Part modelling, assembly and detailing after calculations.
- Sheet metal calculations and fabrication.
- Mechanical load calculations [Wind turbines and Automobile applications LDD & LRD].
- Validation testing & optimization.
- Regulatory compliance.
- Pre-production, fabrication, and manufacturing.

## Contact Us

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