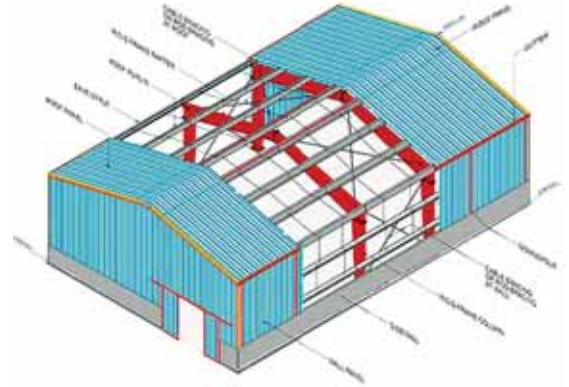


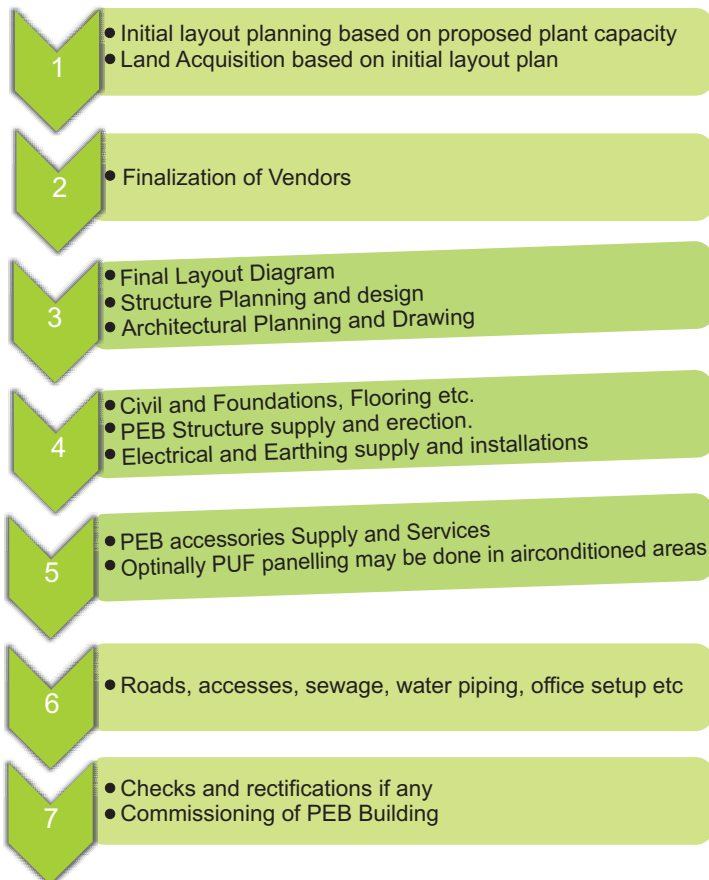
# Pre Engineering Building



## COOLSWAY Benefits

- Single Window for solutions: Layout Planning, Design & Drawing, Supply and Services
- Cost effective solutions
- Competent and professional service
- Fast implementation
- Experienced project management team
- ERP based project monitoring
- Team of structure, civil and electrical engineers
- Experienced supervisors for site supervision and installations

Broadly PEB project activities may be divided into 7 major heads as shown below



ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certified company

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

[sales.coolsway@tnsworld.com](mailto:sales.coolsway@tnsworld.com)

+91-120-4692600

# Pre Engineering Building

## COOLSWAY PEB Solutions

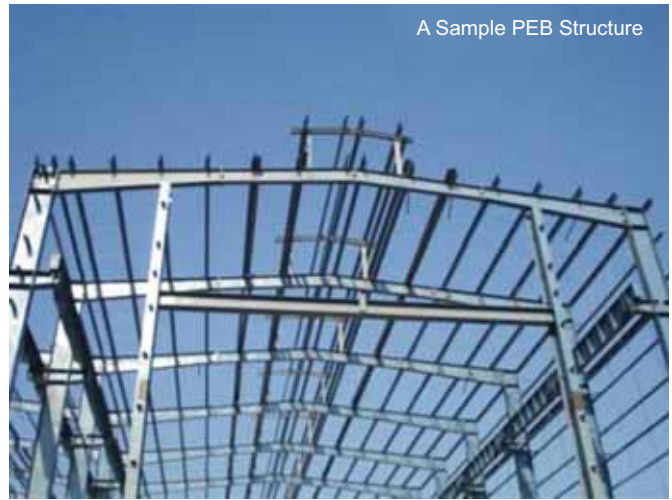
COOLSWAY recommends PEB because of underlined advantages:

### Why PEB Solutions for Cold Storage?

- Such buildings are detailed and designed in advance and manufactured in a quality controlled environment.
- Every manufacturing operation is carried out through advanced technologies such as sophisticated welding techniques, standardization of components, etc.
- Pre engineered construction system also facilitates mass production.
- The construction is faster than the conventional method.

### Comparison PEB V/S Conventional

PEB Buildings	Conventional Building
Aesthetically appealing appearance	Special aesthetic design required
Reduced time because of international design standards & codes using standard sections and connections	Increased design time due to scratch and availability of less design aids
Higher resistance to seismic forces due to low weight flexible frames	Rigid heavy weight structures not suitable for seismic zones
30% less PEB steel structures weight through efficient use of steel	High weight due to excessive safety factor and heavy RCC work.
Factory controlled quality	Every project to be fabricated at site
Lower initial cost of PEB steel buildings (cost per square meter about 30% less than the conventional) and faster delivery	Special design and features developed for each project at higher costs
Simple Foundation, easy to construct and light weight of PEB structures	Extensive heavy foundation
Span size may be designed up to 40m	Span size with limitation of beam width may be limited to 10-15m
Average delivery time 6-8 weeks	Average delivery time 22-28 weeks



A Sample PEB Structure



COOLSWAY Structure Plant and proposed PEB Plant at Sikandrabad, UP

### Applicable Codes:

The 1996 Edition of Low Rise Building System Manual. Metal Building Manufacturers Association (MBMA).

Hot rolled and Built Up sections are designed in accordance with: Manual of Steel Construction, 9<sup>th</sup> Edition. American Institute of Steel Construction (AISC).

Cold-Formed members are designed in accordance with: 1996 Edition of Cold formed Steel Design Manual American Iron and Steel Institute (AISI).

Welding is applied in accordance with: American Welding Society (AWS D1.1.98) Structural Welding Code Steel.

All RCC structures are designed as per IS-456

For any enquiry, please contact:

E-mail to [sales.coolsway@tnsworld.com](mailto:sales.coolsway@tnsworld.com)

Tel: +91 120 4692610/11, +919650007326

C-117, B.S. Road Industrial Area, Ghaziabad (UP) India



ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certified company

\*All data, design, specifications and calculations are indicative and for reference only. This may be changed.

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

[sales.coolsway@tnsworld.com](mailto:sales.coolsway@tnsworld.com)

+91-120-4692600