



**PMG STRUCTURALS (P) Ltd.,**

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Andhra Pradesh,

Factory : #306/1-9,  
Bapulapadu Mandalam,  
Veeravalli, Krishna Dt. - 521110

**PMG STEELS**

Factory : # 256/13, Bapulapadu Mandalam,  
Veeravalli, Krishna Dt. - 521110

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



**PMG Structurals (P) Ltd.,**  
Since 1965

*Unlimited  
Possibilities...*



## ABOUT US

PMG Structruals Pvt. Ltd is the pioneer in the fields of Pre-Engineered Steel Buildings in India, offering the widest product range, unmatched quality and super fast delivery at highly competitive prices.

PMG an ISO 9001:2008 certified company, it was established in 1965 by Ponnam Madana Gopala Rao, Founder and Chairman of the company with the vision of introducing Pre engineered buildings in the Indian market. PMG was awarded as Best Industry in 2002 and again in 2010 under the esteemed administration of Mr. Siva Rama Krishna S/o. Late Sri Ponnam Madana Gopala Rao. The company is engaged in manufacture of Pre-Engineered Building Systems, Composite Steel Girders / Bridges, General Fabrications, 'C', 'Z' & Hat Purlins, G.I Colour Coated, Galvalume Colour Coated, Profiled Sheets for Roofing & Cladding.

The products are manufactured in conformity with I.S. specifications and International Standards. Quality of the products are ensured at every stage of production including selection of raw materials, Monitoring of the production at every stage is done by competent persons employed for the purpose exclusively.

The projects executed and erected by us are widely accepted by the customers over the years, that stand testimony of our engineering skills, workmanship & designs.

### Services offered by PMG:

- Detailed engineering for pre-engineered buildings, roofing and cladding systems and structural support systems
- Preparation of detailed engineering and shop drawings using CAD systems
- Manufacture and supply of materials in 100% prefabricated condition as per shop drawings
- Technical manuals with installation and maintenance instructions
- Supply of special tools for installation
- Supervision of Erection



## OUR PRESTIGIOUS AWARDS



**Mr.Ponnam Madan Gopal Rao**  
Award Received from Hon'ble  
Dist. Collector in 2002



**Mr.Ponnam Siva Rama Krishna**  
Award Received from  
Mr.Lagadapati Raja Gopal M.P. in 2010



# PRIMARY FRAMING



## PRE ENGINEERED BUILDINGS & CONVENTIONAL BUILDINGS

### APPLICATIONS OF PEB

- Factories
- Commercial showrooms
- Industrial Buildings
- Warehousing/Storage
- Restaurants
- Airports
- Marriage Halls
- Distribution centres
- Power Plants
- Stadiums
- Institutions
- Petrol Outlets
- Super markets
- Hospitals

### ADVANTAGES

- Custom Design
- Low Initial Cost
- Superior Quality
- Fast Project Completion
- Functional Flexibility
- Architectural versatility
- Earthquake resistance
- Low maintenance
- Easy relocation
- Flexibility in expansion

### Basic Components

- Primary framing
- Secondary framing
- Sheeting

### Sub Systems

- Crane beams
- Canopies
- Fascias
- Partitions
- Roof Monitors
- Mezzanines etc.,

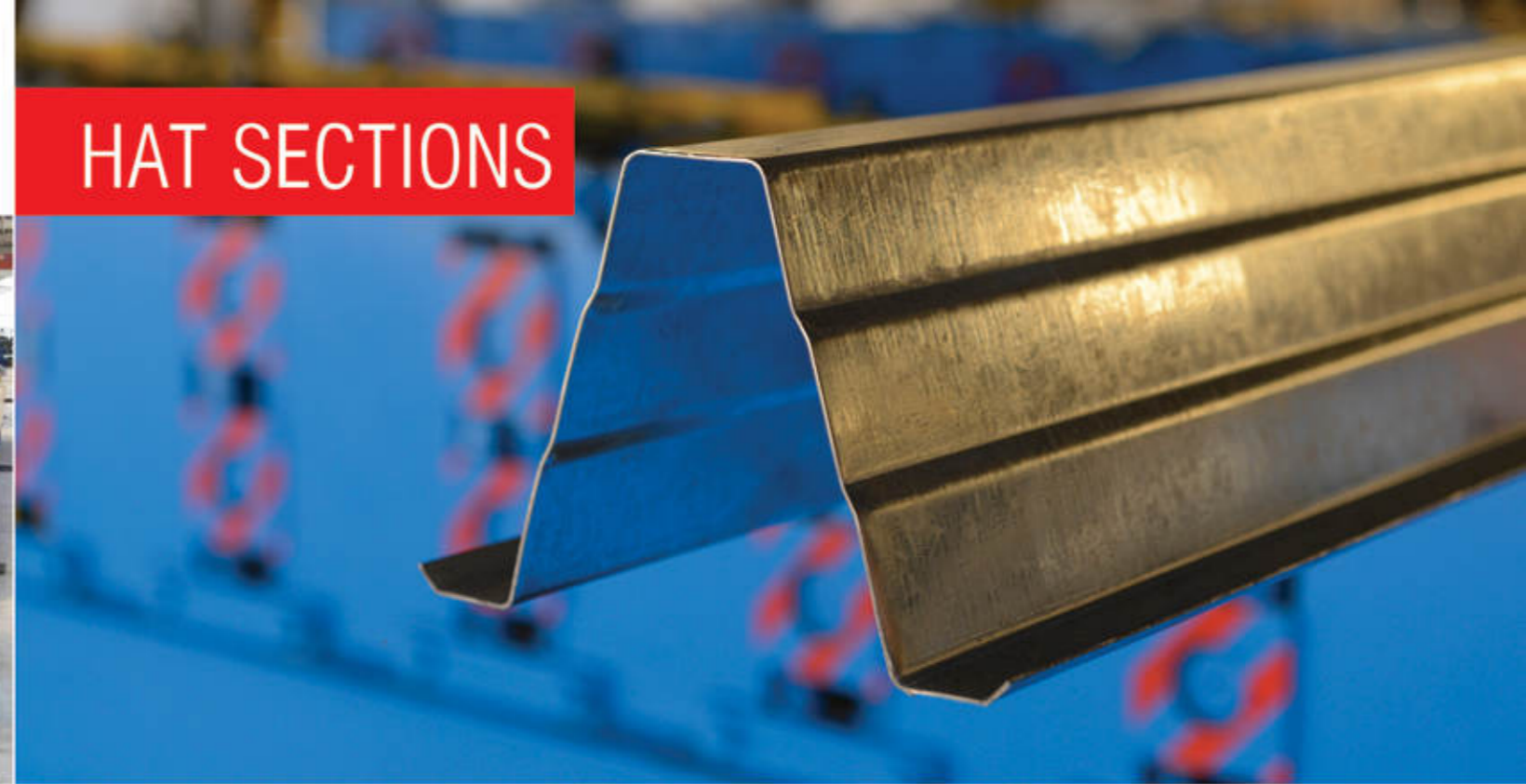
Pre Engineered Building structures based on PEB concept specially known for its structural strength, economical design and its compactness. These structures are basically Manufactured at the factory with high tensile steel material according to the dimensions ( Length, Width, Height ) marked for the sheds and buildings.



# SECONDARY FRAMING



# HAT SECTIONS

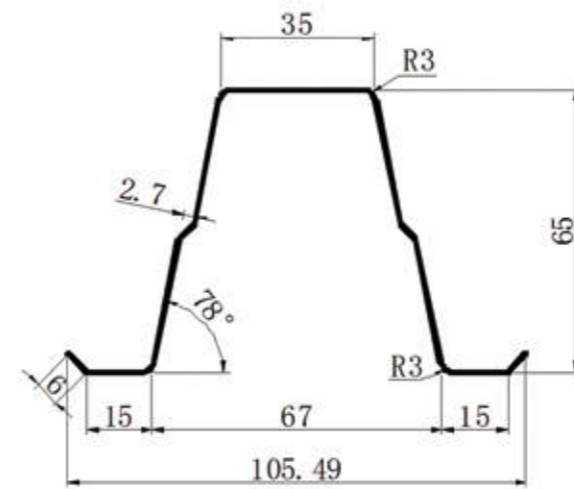


## Sections

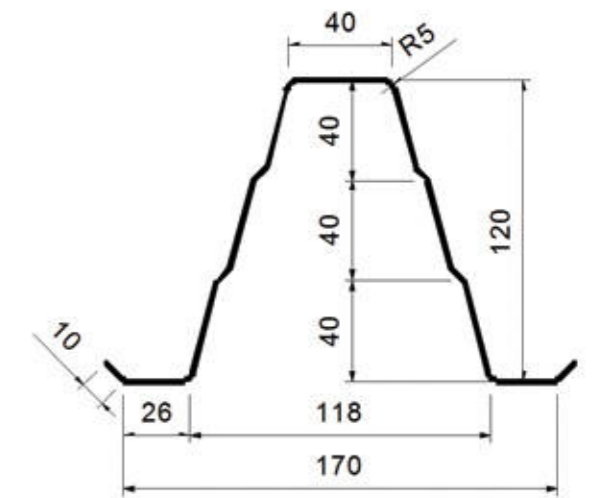
We offer the secondary structure materials like 'C', 'Z' & 'HAT' purlins which are cost effective to replace the conventional materials of tubes, angles, channels (MC) and 'I' beams used in roofing and cladding applications. The wide range of thickness coupled with different combinations of web & flange lengths shall suit every designer's secondary structural requirements for Truss and other applications of this product.

## Sections

### HAT SECTION PROFILE



Thickness: Upto 1.5mm  
Upto 5.0m Long



Thickness: Upto 2.0mm  
Upto 8.0m Long



Dimensions and Properties of "HAT SECTIONS"

Size	Thickness	Purlin Span	Area	Weight Per Meter	Centre of Gravity	Moment of Inertia		Modulus of Section		Radii of Gyration	
hxb	t		a	Wt	eyy	Ixx	Iyy	Zxx	Zyy	rxx	ryy
65x110	0.95	Upto 4.0m	207.10	1.64	34.4	125007.21	145050.05	4502.45	5025.54	24.568	26.465
65x110	1.20	Upto 5.0m	261.60	2.06	34.4	157908.05	183228.75	5687.58	6348.05	24.569	26.465
120x170	0.95	5.0m to 6.0m	356.25	2.79	65.4	643104.47	564168.14	13351.51	12739.17	42.488	39.795
120x170	1.20	6.0m to 7.0m	450.00	3.49	65.4	812349.16	712646.92	16865.07	16091.58	42.488	39.795
120x170	1.45	7.0m to 8.0m	543.75	4.19	65.4	981598.51	861135.11	20378.63	19443.99	42.488	39.796
120x170	2.00	8.0m to 9.0m	731.25	5.58	65.4	1320115.05	1158147.56	27405.76	26148.81	42.489	39.797

# SHEETING



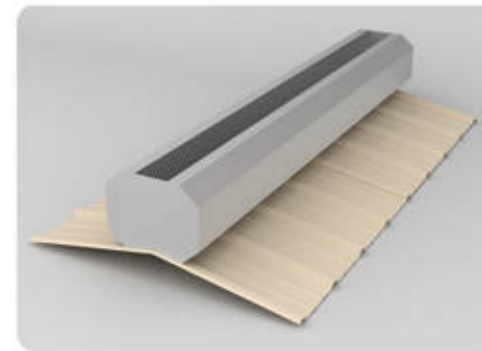
# ACCESSORIES



Turbo Ventilator

Roof brings you the best Roofvent system that is:

- Economically priced.
- Highly reliable, Maintenance free
- International quality standards
- Fifteen years performance Warranty
- Unique permanently lubricated bearing system
- Rotates freely & smoothly
- No power required
- Available in Stainless Steel & Aluminium



Ridge Ventilator



Louvers

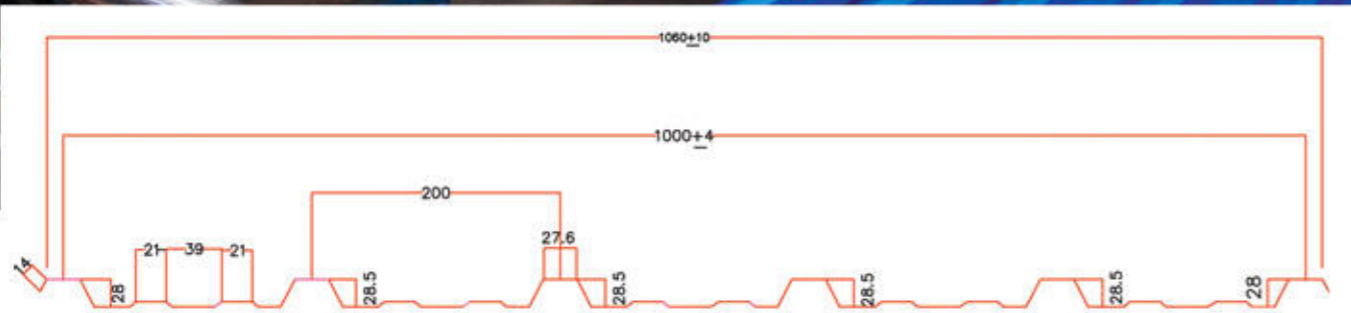


Polynum Foil



Translucent Sheeting

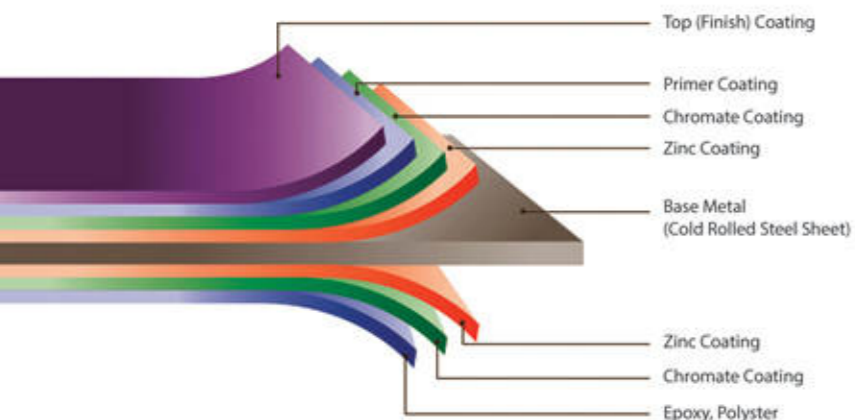
- Superior long term clarity
- Non Delaminating surface technology
- Outstanding surface erosion resistance
- Excellent long term weathering properties



PMG supplies Trapezoidal Profiled Metal Roofing sheets in Bare Galvalume / Colour Coated Galvalume / Colour Coated Galvanized with thickness ranging from 0.47 mm and 0.50 mm with an yield strength of 550 MPA and Alu-Zinc Coating (AZ 150), painting thickness Top 18 to 20 microns, Bottom 5 to 7 microns. Profiles are offered in exact cut to length upto 12 metres as per customer's requirement.

### Material Specification

Bare Galvalume/Pre painted Steel Sheet (Alu-Zinc alloy coated)  
55% Aluminium, 43.4% Zinc, 1.6% silicon



Puf Insulation

### ADVANTAGES

- CORROSION RESISTANCE
- HIGH STRENGTH & LIGHT WEIGHT
- EASY MAINTENANCE
- COST EFFECTIVE
- DURABLE & HYGIENIC
- FIRE RESISTANCE
- ECO - FRIENDLY
- ARCHITECTURAL BEAUTY

# COMPOSITE GIRDERS/BRIDGES

Approved by :   
Govt of India  
Ministry of Railways

In many buildings and bridges, it is common to have a concrete slab supported by steel beams. If the steel beams are connected to the concrete slab in such a way that the two act as one unit, the beam is called as composite beam.

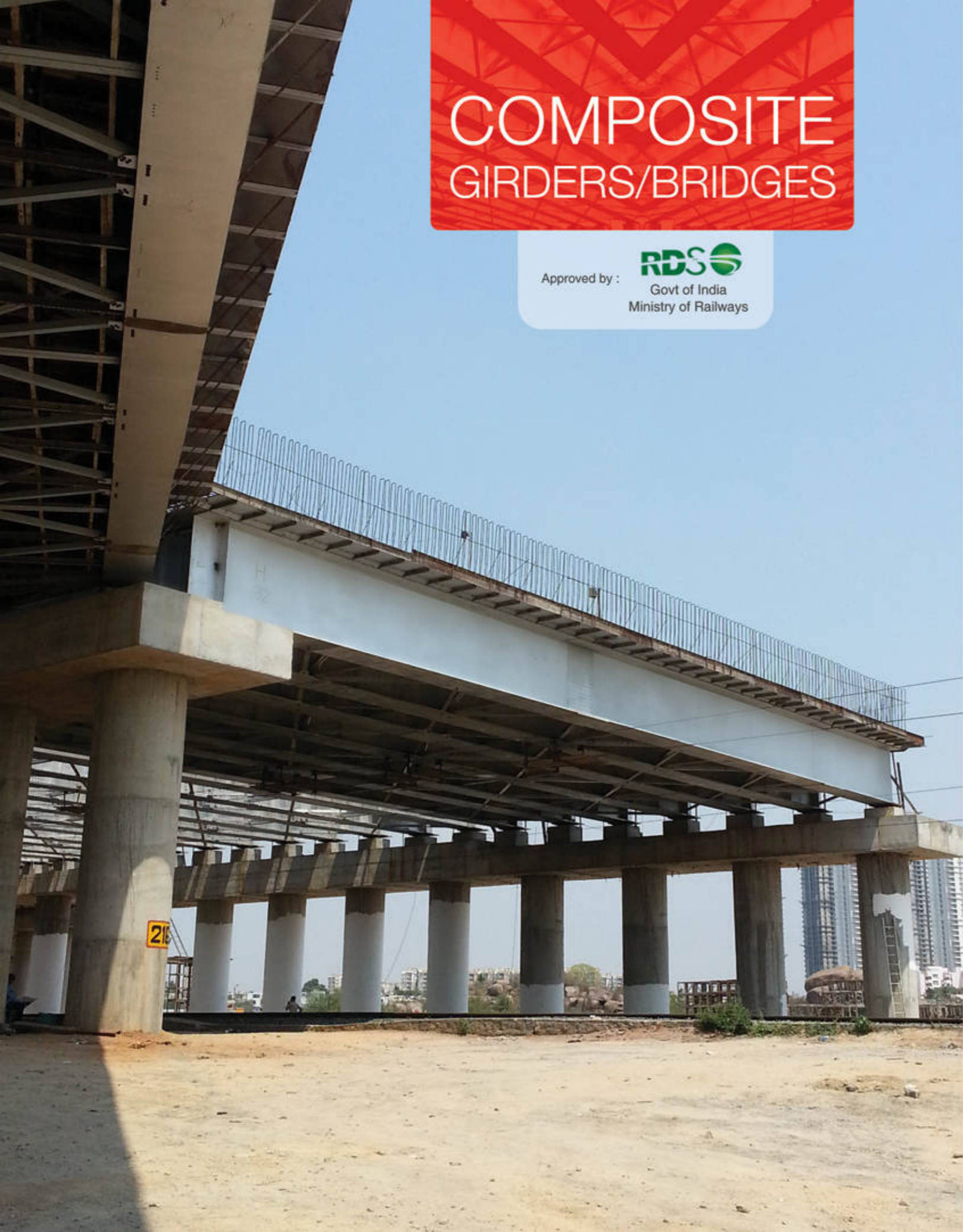
Composite beam has the advantage that the concrete in the slab takes all or most of the compression (for which it is best suited), while the steel beam takes all the tension in the overall system.

## Introduction to Composite Construction

- A steel beam which is made composite by using shear connectors, composite metal decking and concrete is much stronger and stiffer than the base beam alone
- Composite floor systems are considered by many to be the highest quality type of construction
- This has become a standard type of construction selected by many architects, engineers, and developers

## Advantages of Composite Construction

- It is typical to have a reduced structural steel frame cost
- Weight of the structural steel frame may be decreased which will reduce foundation costs
- Reduced live load deflections
- Shallower beams may be used which might reduce building height
- Increased span lengths are possible
- Fast completion of spans compared to RCC beams



# SOLAR SOLUTIONS

A solar panel (also solar module, photovoltaic module or photovoltaic panel) is a packaged, connected assembly of photovoltaic cells. The solar panel can be used as a component of a larger photovoltaic system to generate electricity. PMG supplies frames for solar panels for the roof top in commercial and residential applications like Houses, Factories, Gardens, Street Lights etc., A single solar panel can produce only a limited amount of power, most installations contain multiple panels.

Right Time ...Right Choice...

Generate your own power, We have the Solutions



# A BETTER WAY TO BUILD



The building construction industry in India is still in beginning stage dominated in large by the use of traditional conventional products and technologies.

PMG Introduces Modern, Innovative and Comfort living which suites your requirements as prevalent in other developed countries.



## Advantages of light guage frames

- Pre Engineered Steel Frame
- Durable
- Excellent Fire Resistant
- Weather resistant
- Excellent outlook
- Low Cost
- Fast & Easy Construction
- Pest / Termite free
- Lower maintenance costs



# MACHINERY



Our plants are equipped with state-of-the-art machinery, such as Shearing Machine, Multi Torch Machine, H-beam Machine, SAW Machines, Roll Forming Machines, Press Break Machine, Drilling Machines etc.



## We are Environment Friendly

- Optimal material usage without compromising on factor of Safety
- Use of reusable and recyclable material
- Organized collection of rain water for harvesting
- Use of sunlight through skylights and wall lights for day lighting
- Use of wind through turbine ventilators for natural ventilation
- Use of suitable insulation for interior temperature control
- Integrated operating system for error free execution
- Integrable with solar panels and wind mills



PAR EXCELLENCY

