

"H-Beam is designed to withstand multiple loads during construction."

Pioneered in 2003, Nav Nirman Beam Technics was established with a vision of providing the best engineering wood and project wood consultancy to the fast booming domestic construction industry. Today, the company is the leading manufacturer of H-beams (H-16 & H-20), made at par with international standards. **Bharat Patel, Head-Sales & Marketing, Nav Nirman Beam Technics**, tells us more about the company, its pathbreaking products and the technologies used.

Give us a brief introduction about your company and the product, Formwork H-Beam.

Nav Nirman Beam Technics manufactures and exports Formwork H-Beam (H16 & H20) in India. The company was started in 2003, with a vision of providing the best engineering wood and project wood consultancy to the growing industry in India.

Nav Nirman has executed a number of L&T projects in the area of project wood consultancy over the years, garnering a reputation of completing the projects on time while maintaining high quality standards. Simultaneously, Nav Nirman also became the leading brand for manufacturing Timber H-Beam in the year 2010-11.

H-Beam is a unique introduction to overcome the cumbersome and costly procurement of timber. It has been designed to withstand multiple loads during construction activities. The members are made of seasoned ply by first making the web and flange section of seasoned pinewood, which is imported from Europe, in order to make timber H-beam stronger and denser. Both the flange and web are hot processed by the wedge technology making it a composite versatile section.

What are the benefits of using formwork H-beam?

Formwork H-beams are the primary choice of any engineer in formwork activity.

The benefits of using formwork H-beam are as follows:

- It reduces formwork cost by 10-15 per cent compared to the conventional system of formwork.
- A section of concrete support is 'H' shaped, making it a structurally strong and economical section.
- No skilled supervision is required for monitoring the making of the formwork, compared to the conventional timber formwork.
- It is easy to handle, light in weight, ready to use and requires no alteration.
- Gives a perfect form finish, which is free from bulging and distortion
- Repetition in operational use is upto 90-100 times.
- Has high load bearing capacity at low weight

- Reduces the cost of formwork making, as it does not require planning, sawing and cutting.

Formwork H-beam also offers outstanding performance in the execution of a project within a short span of time.



Bharat Patel,
Head-Sales & Marketing,
NAV NIRMAN BEAM TECHNICS

Tell us about the quality system followed by your company?

Our quality policy aims to achieve excellence in the quality of design, and products are manufactured to attain total customer satisfaction.

The company has a state-of-the-art infrastructure facility equipped with modern technologies so as to provide quality products to its clients. Our in-house R&D unit continuously integrates the advanced technological changes and modifications, and the manufacturing unit ensures that the products are made to match international standards.

The company also has its own quality control team that inspects the material at every stage of production and ensures that superior quality product reaches the consumers. Our product H-beam goes to the testing labs every two months to ensure reliability.

Give us examples of where timber H-beams have been used in a major construction/infrastructure project?

H-beam is used in various types of construction aspects like column box, formwork making, circular column, wall shuttering making, beam span base support, etc.

It is used for the construction of residential and commercial projects, industrial projects, water resources engineering, roads and bridges, stadium and sports construction and to meet the other growing needs of the infrastructure and construction industries.

How do you look at these issues relating to the safety and sustainability while developing new products?

Our R&D unit has been regularly working to cover the problems and issues relating to the safety and security of the formwork H-beam. To counter this problem, we plan to use end protection in the edges of the beam, the protection being with GI sheet, so that it protects the beam end from any split off, thus increasing the lifespan of the H-beam.

(Communication by the management of the company)