

# Re-inventing H-Beam

H-Beam by Nav Nirman Beam Technics is manufactured at par with International Standards under Strict Quality Control and assurance.

**N**av Nirman Beam Technics is the leading manufacturer of H-Beams; H-16 and H-20 in India. H-Beam is manufactured at par with international standards under strict quality control and quality assurance to withstand various loads during the construction of various activities.

With contractors having less time to complete the project, a need for formwork systems and timber H-Beams that were relatively easy to establish and dismantle was felt. So many construction companies felt the need of the modern formwork system. To reduce the investment cost, many construction companies' engineers preferred to go separate way by purchasing timber H-Beams from one supplier and scaffolding items from other. In India, there are lots of suppliers of scaffolding items but whereas when it comes to timber H-Beam there are very few, as there is a need of a proper technical expert in the field of wood.

Nav Nirman Beam Technics with its experience in wood over three decades has been the largest supplier of timber H-Beams in India.

### A unique innovation

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 making the web and flange section of seasoned pine wood imported from Europe so as 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.

### Salient features

The salient features of these H-Beams include: Reduction in consumption of timber; Minimising work at site; Can be reused almost eight times of conventional timber; Dimensionally stable and uniform in size; Consistent in strength; Cost ratio per use, H-16 beam: conventional timber = 1:3.5; Economical and long-lasting.

### Uses

H-Beam is used for column box, formwork making, circular column and wall shuttering and for beam span base support.

### Economically viable

H-Beam is economically viable as it: Imparts life to the plywood allowing it to be used at least 9 times to 13 times by reversing it after eight uses; Reduces the cost of formwork making, as it does not require planning, sawing and cutting; No skilled supervision required monitoring the making of formwork against the conventional timber formwork; Replaces timber procurement to the extent of 60 per cent when viewed on the overall procurement for project execution.

### Applications

H-Beam is primarily used in residential, industrial and, office and building construction, water - resources engineering, transport infrastructure like roads and bridges, stadium and sports building construction and meeting the growing needs of the construction industry

*(Communication by the management of the company)*