



## **THE LATEST TREND IN BUILDING CONSTRUCTION**

Buildings & houses are one of the oldest construction activities of human beings. The construction technology has advanced since the beginning from primitive construction technology to the present concept of modern house buildings. The present construction methodology for buildings calls for the best aesthetic look, high quality & fast construction, cost effective & innovative touch.

India being a developed country massive house building construction is taking place in various parts of the country. Since 30% of Indian population lives in towns and cities hence construction is more in the urban places. The requirement of housing is tremendous but there will always be a shortage of house availability as the present masonry construction technology cannot meet the rising demand every year. Hence one has to think for alternative construction system like pre-engineered steel buildings. India has an installed steel capacity of 35 to 40 million tones & apparent steel consumption is around 27 to 30 million tones. There is a surplus capacity of flat steel products available in India particularly of hot and cold rolled sheets. These steel components can be utilized in the construction of pre-engineered building components. In pre-engineered building concept the complete designing is done at the factory and the building components are brought to the site in knock down condition. These components are then fixed / jointed at the site and raised with the help of cranes. The pre-engineered building calls for very fast construction of buildings and with good aesthetic looks and quality construction. Pre-engineered Buildings can be used extensively for construction of industrial and residential buildings. The buildings can be multi storeyed (4-6 floors). These buildings are suitable to various environmental hazards.

PEB concept has been very successful and well established in North America, Australia and is presently expanding in U.K and European countries. PEB construction is 30 to 40% faster than masonry construction. PEB buildings provide good insulation effect and would be highly suitable for a tropical country like India. PEB is ideal for construction in remote & hilly areas.

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