

APL Apollo set to revolutionize modular buildings with Apollo Column

Use of hollow steel sections, manufactured by APL Apollo reduces the overall project cost and time, thus revolutionizing the construction industry



New Delhi, Nov 29, 2020 ([Issuewire.com](https://www.issuewire.com)) - Recognised as the heart of pre-engineered buildings, Apollo Column, India's largest range of hollow structural steel sections by APL Apollo Tubes Limited (APL Apollo), one of the leading branded steel tubes manufacturers, has created a rage in the market due to their superior quality, sturdiness and ease of bending, punching, and drilling. Apollo Columns are put together and joined with bolts to create complete modular structures.

Modular structures are constructed in-house with final assembly occurring on-site, where the modules are stacked and connected together. Modular construction is a process in which a building is constructed off-site, under controlled factory conditions, using the same codes and standards as conventionally built facilities – but in lesser time. Buildings are produced in “modules” that when put together on-site, reflect the identical design specifications and intent of the most sophisticated site-built facility – without compromise.

Mr Sanjay Gupta, CMD, APL Apollo said, *“One of the biggest advantages of using Apollo Column in modular buildings is that it lowers steel consumption while reducing project duration and assuring minimal wastage at the same time. An irreplaceable member of structural buildings due to its high load-bearing capacity and strength-to-weight ratio, Apollo Column offers higher radii of gyration about both axes providing superior compression performance and significant weight savings.”*

Let's have a look at the advantages of modular buildings supported by APL Apollo:

Greener: The factory-controlled process reduces pollution & wastage, and eradicates site disturbances.

Faster: Construction of modular buildings in factory occurs simultaneously with assembling at the site, allowing projects to be completed in half the time of traditional construction.

Smarter: Modular buildings are majorly built with Steel Tubes and to the same standards as conventional construction methodology.

Trends for affordable housing with low construction cost & faster completion are picking in India. Many cities are facing underground water shortage due to concrete-based construction. So, modular buildings using structural steel is the future construction trend.

Benefits of using steel in modular buildings:

Fast Project Completion: Project duration significantly reduces when structural steel is used in the construction of Modular Buildings hence it allows to start generating revenue in a short period of time.

Lower Project Cost: Structural steel reduces the project cost.

Minimal Wastage: Use of structural steel reduces wastage while construction. The off-site fabrication process results in less material waste than conventional site-built construction.

Environmental Friendly: Conventional construction methodology causes severe pollution & loss of groundwater.

Flexibility in Design: Use of structural steel in modular buildings gives the flexibility to create unique structures.

Longer Span: Structural steel allows the increased spacing between structural members and greater clear spans can be achieved.

Recyclable: Structural steel can be recycled indefinitely

Thus, giving a futuristic edge to buildings, Apollo Column has emerged as the best suitable building material for residential, commercial as well as infrastructure projects. Apollo Columns are used in warehouses, industrial building, commercial centres, multi-storey buildings, foot overbridges, parking shelters and fuel stations in a big way. Apollo Columns offer flexibility in sizes, design, uniform strength and much higher torsional strength.

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Source : APL Apollo Tubes Limited

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