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Grand Story of Accomplishment in Commercial Construction by James Blee

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The Empire State Building in USA became the tallest building in the world in 1931. At an astounding 1,250 feet, it was a majestic accomplishment in the field of Commercial Construction. Built in duration of less than 15 months instead of the anticipated 18, the total price for this 103 storied structure was a jaw-breaking $24.7 million. A group of well-known engineers came together to shape this magnum opus. ".

A huge number of work forces worked to complete the project applied fast-track construction, a method that was very popular in early 20th century. It required engineers to chalk out a perfect design and prearranged diagram. Scientific knowledge from various domains was one reason of success of the mega project. The schematic diagrams also had the mention of materials used, designs of floors and columns in this commercial construction. The excavation for the sight began in early 1930. 300 workers worked throughout the day and night, in two shifts. They worked for a total of seven million person-hours including Sundays and holidays. They set a target of building 4 and a 1/2 levels to be built per week.

To increase the speed of work, a railway was built solely for this project. The 10 million bricks needed for this gigantic commercial construction project, were moved up and down the floor with the help of a hopper and parachutes, a technique which has become obsolete now. Simultaneous external construction and internal works of wiring and plumbing were done to minimize the number of days of work. In addition to steel frame, concrete, limestone, granite, marble were also used. Finally, this phenomenon of commercial construction was created on April 11, 1931, which was authoritatively opened on May 1, 1931 by President Herbert Hoover.

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