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FACTFILE

Function: Cultural
 Location: Nathdwara, Rajasthan
 Weight: approx. 25000 MT.
 Status: Ongoing
 Photo credits: Skeleton & ESCOM Consultant

The prestigious project which is one of the world's tallest in-situ concrete statues. The shape of statue is irregular & has unsymmetrical configuration (vertical & horizontal). It falls in the category of irregular buildings and is with high importance factor, as per IS-1893 Pt.1-2002. It is considered that steel members will provide flexibility of configuration, construction and behavior. Therefore, a dual system, i.e., steel beam-column frame arrangement with concrete shear walls is provided to cater for such an important structure where all lateral forces are being resisted by concrete shear walls and steel frame takes gravity loads. Further for longevity of life span 300+ years, durability along with reduced self-weight, faster & easy construction especially at the heights, steel will be a better material. The statue is designed as hybrid Structure. Structural system consists of framework of steel columns and beams surrounding concrete cores of shear walls in such a manner that the stiff vertical core right up to top is available. High strength (350Mpa) parallel flange rolled steel sections like UB, UCs are used. All connections will be using high strength friction grip bolts with galvanization. About 2500 MT of structural steel sections (parallel flange) are being used to erect the frame which is varying vertically and horizontally in the shape of statue.

 LORD SHIVA STATUE,
NATHDWARA

A gigantic 351feet high Shiv statue is being constructed at the top of a 50m high hillock in the sitting position at Nathdwara near Udaipur in Rajasthan.

The base of the main statue approx. 60mx45m rectangular shape is representing a hill top. A free standing 170 feet (51m) Trishul is located by the side of the statue above 120 feet high sitting platform. There will be a concrete shell skin outside with hollow space inside which will house a lift and stairs for maintenance purpose along with few floors for assemblies. The concrete skin is supported over structural steel frame and concrete core shear wall. The design life of the statue is 250+ years. Project is in the construction stage and likely to be complete by end of 2016.

