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V SRIDHAR REDDY
MANAGING DIRECTOR, SRI HARSHA CONSULTANTS PVT LTD

The column member is made up of Circular Hollow Section (CHS) members while 70 per cent of the height of column from bottom is 220 dia and remaining 30 per cent of the height at top is 165 dia. All these columns are inclined in position. Purlins are made up of equilateral triangular plates connected with CHS members at corners, which resembles series of butterflies are connected at top of their wings. All the truss elements are made up of plate elements connected with CHS members at top and bottom with varying depth of web, which gives fluidity to the structure making it feel lighter. We have designed a mezzanine structure, within the cafeteria which is a flat RCC circular slab, and which is again a distinctive structure in which columns are pierced through the slab and supports the main structure.

Client: Golconda Resorts
Architect: Studio One
Structural Consultant:
Sri Harsha Consultants Pvt Ltd
Steel Tonnage: 80-90 Tons
Status: Completed

CAFETERIA AT GOLCONDA RESORTS, HYDERABAD

This is a unique structure in terms of both architecture and structure. The basic roof structure form is a merger of two big triangular structures of nearly 30m equilateral triangles, together forming a big space for cafeteria. Above these triangular structures are two mini triangular structure, spaced at 450mm above the main triangular structure, which gives a feeling of flying of the structures and makes the structure feel light and interesting. In this structure, each and every structural element is unique and esthetically appealing.



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