

APL APOLLO LIVE PROJECT

Dujana Industrial Shed

ABOUT THE PROJECT

Apollo Tricoat Tubes Ltd has an upcoming Greenfield Project at Dujana, UP. The proposed Industrial Structure of 78000 sq. ft. consists of 146 m long shed having 49 m width with clear height of 11 m and 15 MT crane. The shed is constructed using APL Apollo Steel Tube. The structure is well designed for the Dead Load, Live Load, Wind Load, Earthquake Load and Crane Load.

CHALLENGES

The challenge was to reduce the weight and cost of the industrial shed. Our findings in the research work showed a significant reduction in steel consumption in HSS structures as compared to built-up structures. The project aimed at developing an optimised industrial shed with minimum construction time and zero onsite fabrication.

SOLUTION

APL Apollo Steel Tube & Cladding Project Pvt. Ltd. worked together to achieve the results received from the research work & put it all theoretical research work in real time project. The optimised steel structure was designed & constructed using APL Apollo Steel Tube.

RESULT & DISCUSSION

The steel consumption is 340 MT including roofing sheet. There is a reduction of approximately 25% in steel consumption as compared to the conventional Pre-Engineered Buildings. Overall project cost reduced by 15% due to reduction in erection cost, transportation cost & project duration.

