

## Wagon Loading Shed

Sagar Cements Ltd., Mattampally, Nalgonda

A pictorial representation



## **Project Description**

PRECA was bestowed with the opportunity to work with industry giants, Sagar Cements on the construction of Wagon Loading Shed at their manufacturing facility in Nalgonda. The structural consultants — RV Consultants— gave us a good picture of the needs of the client.

The uniqueness of the structure of the lies in the integration of precast elements with steel framing structure. Gable shaped beams of 16m spans were produced and were erected at height of 12.5m from ground level.

A single storied shed, spanning a length of about 750m was built using 1,13,765 sq.ft. of Precast Prestressed Hollow core slabs & Precast Main Rafter beams. This structure was built in a period of 3 months.







Erection of Rafter beams







Erection of Rafter elements







Erection of Rafter elements







Erection of roof slabs







Erection works in progress



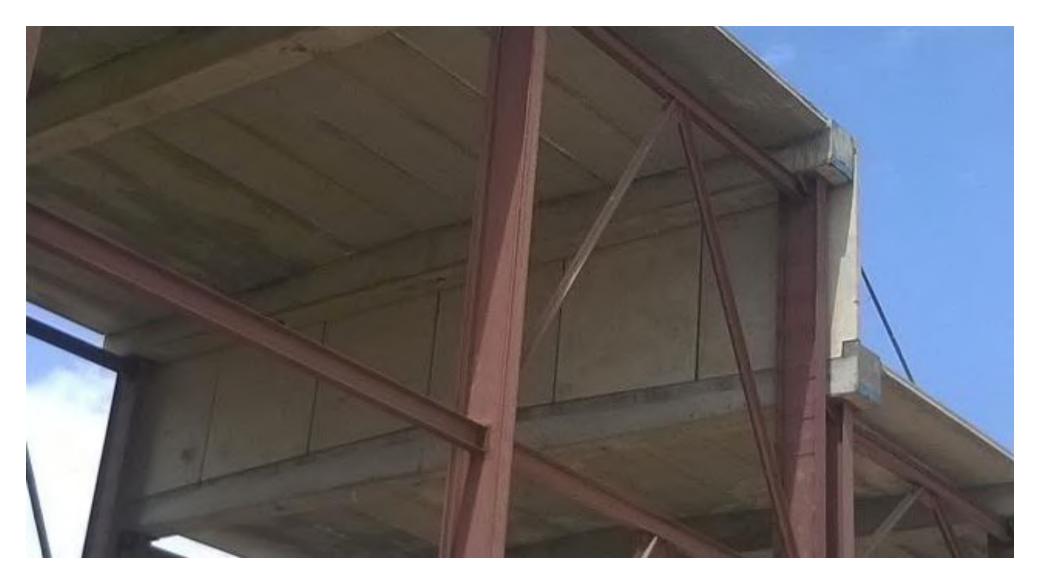




Erection of roof slabs in progress







The Rafter Beam design in integration with steel structure







The Rafter Beam design in integration with steel structure































A portion of the 750m long shed



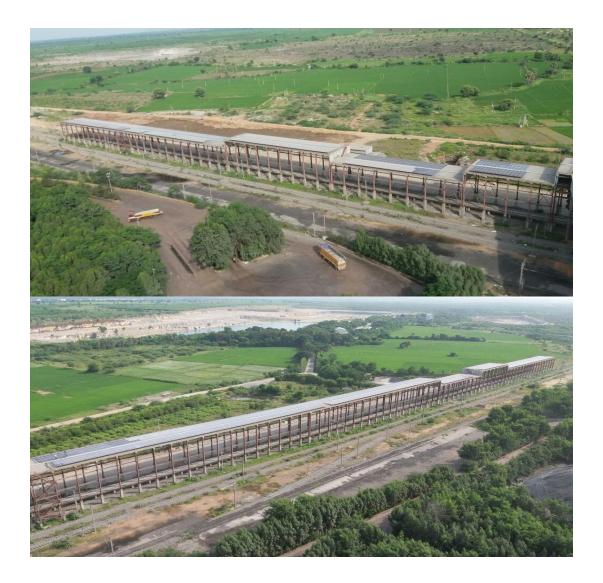




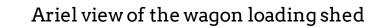
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## The Art of PRECAsting..



Thank You.