

Multimodal Logistics Hub Visakhapatnam
Data Sheet for PEB Warehouses in Visakhapatnam, Andhra Pradesh

SI No	Description	PEB - 01 E (Exim Area)	PEB - 01 D (Domestic Area)
1	BLDG LENGTH	120 m	117m
2	BLDG WIDTH	45 m	45 m
3	EAVE HEIGHT	10.5 m from FFL	10.5 m from FFL
4	BAY SPACING	6m	5.85m
5	Gable End	5.625m	5.625m
6	ROOF SLOPE	< 1:10 (5.71 Deg - approx)	< 1:10 (5.71 Deg - approx)
7	WIND SPEED	Vb= 50m/sec	
8	PURLIN SPACING	1m - 1.5 m (Max)	1m - 1.5 m (Max) *Along roof
9	GIRT SPACING	1.5m	1.5m
10	Open wall Condition	Closed. 2.5 m brick periphery wall. 8m height of cladding	
11	Dead Load (excl panel)	Self weight of buildings as designed in Staad	
12	Live Load	As per IS - 875 for accessible roof	
13	Collateral Load if any	Not Applicable	

Details of DL, LL & WL

- Dead load : self weight of the building
- Dead Load: Load due to solar panel 16 Kg/Sqm
- Live load as per IS: 875 on roof + 25 kg/sqm to keep provision for equipment/ piping support from roof structure. Alternatively there may be a point load at any point of a truss member which shall be limited to 1.5 MT
- Wind load Wind load shall be as per provisions of IS: 875 (part 3). Basic wind speed (Vb) is 50 metres/sec. For calculation of Design Wind Speed (Vz) the following coefficients shall be adopted.
K1 = Probability Factor for a return period of 50 years = 1
- Seismic load: The seismic zone for Visakhapatnam is zone II as defined in IS: 1893 – 2002. The Zone Factor shall be 0.10 and the Importance Factor shall be taken as 1.5. The Response Reduction Factor shall be 5.0. Underside of Column base plate shall be on RCC pedestal at a height of 0.3M from Finished Floor level and resting on pile foundation shall be considered in the design.