

**SPECIFICATIONS FOR WAREHOUSE BUILDING 12 MTR HEIGHT**

S.No.	Section	Description
<b>A</b>	<b>Building Characteristics</b>	
	Structure	Pre Engineered building (Rigid frame structure)
1	Eave Height	12.0m clear at eave
2	Side Wall Columns	7.0 - 8.0 m at wall side
3	Intermediate Columns	14.0 - 16.0 intermediate Jack Beam columns
4	Width Bay Span	24.0 - 33.0 mtrs
5	Frame Type	Multi span.
6	Gable Type	Single.
7	Gutters & Downspouts	External.
8	Roofing Material	Finish shall be Standing Seam .5 mm TCT bare galvalume.
9	Roof Slope	1:20
10	Wall Panel	3.0 m Brickwork and remaining .5mm TCT Colour coated galvalume till eave
11	Skylight Panels	1 in each bay -3.5 to 4%(2 mm Polycarbonate)(Width & full sheet Length along roof slope)
12	Roof Monitor	Ridge Ventilators throughout ridding
13	Louvered Panels	Provided on all closed sides of the sheds
14	Roof Insulation	Not provided
15	Wall Insulation	Not Provided
16	External Docking Platform	Not provided
17	Canopy Along Dock Wall(s)	Included.
18	Canopy Depth (extension from dock wall for internal docking)	4.5 m (from dock wall).
19	Canopy Height from Top of Apron	6.0 M
20	Roof Access Ladder	01 no.External cage ladder Included
	<b>Floor</b>	
1	Loading Dock Height	1.2 m (above truck court elevation at the dock wall).
2	Slab Load	Building area - 5T/m2 udl. Only pit provided for dock leveler.
3	Floor Type	FM2 flooring Local joint material considered
	<b>Perimeter Wall</b>	
1	Perimeter Hard Wall Height	3.0 m (above slab elevation).
2	Perimeter Hard Wall Material	Bloack Masanory Walls
3	Windows In Perimeter Wall	Not Provided
4	Demising Walls	Not provided.
	<b>Doors &amp; Windows</b>	
1	Dock Doors Numbers	1 in 10,000 Sqft
2	Dock Door Width	3.00 m.
3	Dock Door Height	3.00 m.
4	Dock Door Type	Manual/automated operated Rolling Shutter.
5	Drive-In Doors	1 no.
6	Drive-in Door Height	5.00 m.
7	Drive-in Door Width	4.00 m.
8	Drive In Door Type	Manual operated Rolling Shutter.
9	Fire Escape Doors	As per statutory requirement.
10	External Platform & Stairs at Fire Escape Doors	Metal
	<b>Metal Work</b>	
1	Railings Externally At Fire Exit Doors	MS Handrail with Enamel paint Finish
2	Bollards	6" dia steel pipe bollards 6 feet long, set 3 feet into concrete base, filled with concrete, to protect overhead door tracks, 2 numbers at each dock location
	<b>Dock Equipment</b>	
1	Dock Leveler	Not provided
2	Dock Pit	As per layout plan Provided
3	Dock Pit Numbers (For External Dock Position)	Not Provided
4	Dock Angle	Internal docking arrangement
5	Dock guards/bumpers	2 nos. per dock
	<b>Paint, Finishes &amp; Improvements</b>	
1	Steel, Flashings, Doors and Frames	Semi gloss enamel with approved primer plus 2 finish coats.
2	Exterior Wall For Office Entrance	Glazing works as per drawing.
3	Finish to primary members for steel building structural members	Surface preparation plus one coat of factory painted grey oxide primer of 25microns DFT plus one coat of enamel paint.
4	Internal Signages	As per codes
5	Offices	Offices as designed as per site and requirements

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<b>B Utilities</b>		
<b>Fire Fighting Works</b>		
1	Fire Extinguishers	Provided
2	Fire Hose Stations	Provided
3	Fire Roof Sprinkler System	Not Provided
4	Fire Alarm	Not Provided
5	Fire Detection System	Not Provided
<b>PHE Works</b>		
1	Domestic Water Piping	Not Provided
2	Toilet Internal Water Supply & Drainage	Not provided (Only Tapoff provided)
3	Sanitary ware and Fixtures	Not Provided
4	Fresh Water supply	Self Borewell
5	STP	STP for water treatment for waste water
<b>Ventilation Works</b>		
1	Building Ventilation	To provide '3 to 6' air changes/hour.
2	Ventilation System	Passive.
3	Roof Monitor/Ridge Ventilator	Provided
4	Industrial Fans	Not provided.
<b>Electrical Works</b>		
1	Design Power Load For Building as per standard Lessor design	1.0 VA /Sqft ( Avg. requirement, Under TI)
2	Incoming Power to building	Power only at receiving station of park Hume pipe for underground cable upto building Building Earthing works,Lightning arrester provided Space provision for transformer yard
<b>Building internal electrical distribution</b>		
1	LT Panel	Not Provided
2	Earthing	Provided
3	Cable trays and supports	Not Provided
4	Internal Cables for Lighting & Power	Not provided
5	Power Outlets	Not Provided
6	Power Outlets For MHE Charging	Not Provided
7	Building Lighting Level – Standard Provision	Not Provided
8	Building Lighting Level – Additional Provision	Not provided.
9	Internal Light Fixtures Type	Not provided.
10	External Lighting Level under Canopy for External Dock Platform	Not provided.
11	External Lighting Level under Canopy for Internal Docking	Not provided.
12	External Wall Mounted Light Fixtures for Truck Apron	Not provided.
13	Lighting arrester/ Structural equibonding)	Provided.
14	DG and DG Pad	Only area allocated.
15	Inverter For Emergency Lighting	Not Provided.
16	UPS & UPS Power Distribution	Not provided.
<b>F Site Features</b>		
1	Truck Apron Area Finish Type	Concrete/pavered/tiled
2	Width/Depth of Concrete For Truck Apron	16.5 m.
3	Car Park Area Finish Type	Paver blocks
4	Perimeter/Sidewalk Strip Finish	As per master plan
5	Drive-in Door Ramp Width	4.0 m
6	Height of Curb at Drive-In Ramps	Not Provided.
<b>H Common Infra</b>		
1	Boundary wall	Combination of block wall, Chain link fence and barbed wire.
2	Road Works	Normal road width min 11.5 m. Considered Fire tender road considered without bitumen topping.
3	Parking	Paver considered in parking
4	SWD	RCC Hume pipe considered for SWD/open/covered drains as per master plan
5	UG Tank	8lacs litres fire tank & domestic tank of 1 lakh litre considered. ( Based on Local / NFPA regulations)
6	OWC	Considered as per statutory requirement. Power only at main receiving station of park Metering room considered
7	Electrical Works	Hume pipe for cabling upto building Complex lighting 15 Lux for road area and 5 Lux for park perimeter DG set considered for backup of common infra requirements Provision of conduits for data/Telecom considered