

Affordable Container Homes - Technical Specification

Canonical URL: <https://www.samanportable.com/product/container-houses/affordable-container-homes>

Steel Structure

COMPONENT	DETAIL
Bottom frame	150×75×5 mm MS C-channel
Bottom stiffeners	100×50×4 mm channels and 80×40×3 mm MS tubular members
Floor frame	100×50×3 mm primary and 80×40×3 mm secondary floor members
Top frame	80×40×3 mm MS top perimeter
Roof stiffeners	60×40×2.5 mm rafters and 50×50×2.5 mm purlins
Corner posts / walls	60×60×3 mm corner posts and 50×50×3 mm intermediate posts
Lifting / handling	Designed MS lifting hooks or lugs matched to the completed unit weight; handle only by the approved lifting and support-point drawing.
Welding & fabrication	Welded MS fabrication with cleaned joints, safe edges, dimensional inspection and coating touch-up before panel closure and dispatch.

Walls, Roof, Floor & Insulation

COMPONENT	DETAIL
Exterior walls	1.25–1.6 mm corrugated MS sheet
Roof	1.6 mm corrugated MS sheet
Interior walls	8 mm pre-laminated board throughout
Ceiling	PVC ceiling panels
Floor base	19 mm marine-grade plywood or 18 mm Bison panel
Floor finish	2 mm vinyl sheet flooring
Wall insulation	75 mm mineral wool
Roof insulation	100 mm glass wool or mineral wool
Decorative / external finish	standard anti-rust enamel in two standard colours
Fasteners & sealing	Security grill, insect mesh, guard, louver or protection selected only where the approved use and opening schedule requires it.

Doors, Windows, Electrical & Services

COMPONENT	DETAIL
Main door / service door	powder-coated steel door with standard lockset
Windows / service opening	uPVC sliding windows, modest glazing schedule (two per room plan)
Grills / mosquito mesh	Security grill, insect mesh, guard, louver or protection selected only where the approved use and opening schedule requires it.
Electrical wiring	Concealed PVC-insulated copper wiring, typically 1.5 sq.mm lighting, 2.5 sq.mm sockets and 4 sq.mm higher-load or AC circuits, subject to the final load schedule.
Electrical protection	Distribution board with MCB/RCCB protection, earthing and segregation of lighting, socket, wet-area and AC circuits according to the approved electrical drawing.
Electrical fittings	essential LED, fan and 6A/16A socket set to the single plan
Ventilation / AC	cross-ventilation openings with exhaust provision; AC as optional add-on
Plumbing / sanitary	optional kitchen and toilet work clearly separated and quoted on selection
Layout / configuration	one efficient fixed room plan per size, options quoted separately
Painting / coating	one red-oxide primer coat with two standard enamel coats
Quality checks	Pre-dispatch checks cover dimensions, member and sheet identification, welds, coating, roof drainage, weather sealing, doors, windows, electrical continuity and functional operation.
Warranty	5-year structural warranty and 1-year finishing warranty as standard

Six approved sizes and prices

SIZE	AREA (SQ FT)	EX-GST	INCL. 18% GST
20x8 ft	160	INR 2,52,960	INR 2,98,493
20x10 ft	200	INR 2,87,600	INR 3,39,368
20x12 ft	240	INR 3,31,200	INR 3,90,816
40x8 ft	320	INR 4,32,320	INR 5,10,138
40x10 ft	400	INR 5,40,400	INR 6,37,672
40x12 ft	480	INR 6,34,560	INR 7,48,781

Warranty

5-year structural warranty and 1-year finishing warranty as standard; finishing warranty extendable to 2 years on request, confirmed at quotation. Typical service life is 20 to 25 years under proper use and maintenance, which is an engineering expectation, not a warranty period.

Supply scope

Published prices are ex-factory for the unit as specified, exclusive of GST. Foundation, site levelling, water and drainage connection and the electrical service point are arranged at your site and are quoted separately.

Delivery and quotation

Delivery in 7 to 21 working days and fixed quotation within 48 hours.

Certifications

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, NSIC SPRS, Udyam, ZED Bronze, DPIIT Startup India

Contacts

Bengaluru: +91 88616 22859 and +91 80886 85440 | sales@samanportable.com

Greater Noida: +91 87960 39938 and +91 97089 89937 | ncr@samanportable.com

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