

Soundproof Porta Cabin

Technical specification and quotation-input sheet. Issued for buyer information. Not released for construction.

Field	Value
Product	Soundproof Porta Cabin (acoustic-build porta cabin)
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Reference size	20x10x8.5 ft, 200 sq.ft.
Price basis	Cost Estimation Input ₹1,650 per sq.ft. at the 200 sq.ft. reference, with the approved area-band adjustment. Costing status: derived planning estimate, acoustic target required.
Technical reviewer status	PENDING. This document is issued for buyer information and quotation input. It is not released for construction.
Manufacturer	SAMAN POS India Private Limited, brand SAMAN Portable. Factories at Bengaluru and Greater Noida.

1. What this product is, and what "soundproof" means here

An acoustic-control porta cabin using a mass-spring-mass strategy: a heavy outer shell, mineral-wool absorption, a decoupled multi-layer internal lining, resilient floor and ceiling details, a sealed acoustic door and glazing, and silenced ventilation paths.

"Soundproof" is treated as product intent rather than an absolute physical promise. Target STC or Rw and internal NR or NC values must be defined at quotation and validated against the complete installed assembly, including doors, glazing, services and site sealing.

No numeric attenuation figure is published in this document. Where a project requires one, it is quoted only against a defined test or measurement method, and any door or glazing carrying a rating must carry a published test result of its own.

2. Published sizes and prices

Size code	Published size	Area sq.ft.	Rate / sq.ft.	Price ex-GST	With 18% GST
SZ-01	10x10x8.5 ft	100	₹1,897.50	₹1,89,750	₹2,23,905
SZ-02	20x8x8.5 ft	160	₹1,815.00	₹2,90,400	₹3,42,672
SZ-03	20x10x8.5 ft	200	₹1,650.00	₹3,30,000	₹3,89,400
SZ-04	20x12x8.5 ft	240	₹1,584.00	₹3,80,160	₹4,48,589
SZ-05	40x10x8.5 ft	400	₹1,567.50	₹6,27,000	₹7,39,860
SZ-06	40x12x8.5 ft	480	₹1,551.00	₹7,44,480	₹8,78,486

Rates derive from the ₹1,650 per sq.ft. input at 200 sq.ft. through the approved area-band adjustment: 100 to 149 sq.ft. plus 15%, 150 to 199 plus 10%, exactly 200 unchanged, 201 to 300 less 4%, 301 to 400 less 5%, 401 to 500 less 6%, 501 to 600 less 7%, 601 to 700 less 8%, 701 to 800 less 9%, 801 and above less 10%. HSN 9406. GST 18%.

3. Steel structure

Component	Material or type	Section, size or thickness
Bottom frame	Mass-capable primary chassis	150x75x5 mm MS C-channel reference; final by mass and load calculation
Bottom stiffeners	Stiffened vibration-controlled base	100x50x3 mm channels or RHS with isolation points where designed

Component	Material or type	Section, size or thickness
Floor frame	Acoustic floor-support frame	Engineered steel grid plus 18-24 mm rigid board or mass layer plus resilient underlay
Top frame	Isolated internal top support	80x40x3 mm structural perimeter reference plus resilient internal furring or hangers
Roof stiffeners	Acoustically isolated ceiling support	60x40x2.5 mm roof frame reference plus resilient ceiling channels or hangers
Corner posts and walls	Double-layer wall, isolated inner frame	60x60x3 mm structural posts reference plus resilient channel or independent inner studs
Lifting and handling	Approved handling provision	Engineered lifting and support points; move only to the approved drawing
Welding and fabrication	Fabrication control	Welded or bolted connections to approved shop drawings

All steel sections above are stated as references. Final sections follow the mass and load calculation for the specified acoustic package, which is heavier than a standard office cabin.

4. Envelope, insulation and finishes

Component	Material or type	Section, size or thickness
Exterior walls	Massive external shell	1.2-1.6 mm corrugated MS or PPGI outer skin with sealed joints and acoustic cavity build
Roof	Acoustic roof build	1.4-1.6 mm roof skin plus absorptive core plus isolated internal ceiling
Interior walls	Decoupled multi-layer internal lining	Two 12.5 mm board layers or equivalent mass lining on resilient or independent support, staggered joints
Ceiling	Acoustic ceiling	Multi-layer board on resilient channels or hangers with sealed perimeter
Floor base	Mass plus resilient floor base	18-24 mm rigid floor board or dense barrier plus resilient underlay
Floor finish	Quiet walking finish	2-3 mm resilient vinyl, rubber or carpet tile over acoustic underlay as use permits
Wall insulation	High-absorption wall infill	75-100 mm stone or mineral wool, Safe n Silent type, density and type per acoustic design
Roof insulation	High-absorption roof and ceiling infill	75-100 mm stone or mineral wool with continuous cavity fill
External finish	Coating or facade finish	Project-selected colour and compatible coating system
Fasteners and sealing	Approved joints and seals	Corrosion-compatible fasteners, EPDM, butyl or approved sealants
Painting and coating	Corrosion-protection system	Substrate-appropriate corrosion protection and touch-up

Reference insulation: ROCKWOOL publishes Safe n Silent Pro for internal wall and ceiling acoustic insulation, non-combustible A1 classification, thermal conductivity 0.033 W/mK. Absorptive infill reduces cavity resonance. It does not on its own define STC or Rw: performance depends on skins, spacing, decoupling, seals, openings and installation quality.

5. Openings, services and ventilation

Component	Material or type	Section, size or thickness
Main and service door	Acoustic door set	Solid-core or acoustic door, perimeter seals, automatic or drop threshold where required
Windows and openings	Acoustic glazing	Sealed laminated or double glazing; 6/12/6 mm is a design starting point only
Grills and mesh	Opening protection	Grill, mosquito mesh, guard or louver as scheduled
Ventilation and AC	Silenced ventilation and AC path	Duct attenuator, acoustic louver or baffled air path; no direct open vent where isolation is required
Plumbing and services	Acoustically sealed services	Staggered and sealed boxes, sleeved pipes, resilient supports; no unsealed through-penetrations

Component	Material or type	Section, size or thickness
Electrical wiring	Copper wiring and containment	1.5, 2.5 and 4 sq.mm copper starting schedule; final by load
Electrical protection	DB, MCB, RCCB and earthing	Segregated protected circuits to the approved electrical drawing
Electrical fittings	Lights, sockets and equipment points	LED lights, modular switches, 6A and 16A sockets, fan and AC provision
Layout	Performance-defined sound-control layout	Target Rw or STC and internal NR or NC stated by project; laboratory or field evidence required for numeric claims

6. Scope

Standard. Steel structure; external envelope; acoustic cavity insulation; decoupled internal lining; floor build-up and finish; acoustic door set; sealed glazing; electrical installation to the approved drawing; corrosion protection; pre-dispatch quality checks.

Optional. Additional absorptive treatment for reverberation control; upgraded door and glazing specifications where a rated result is required; air conditioning; partitions; furniture; additional openings.

Custom. Layouts, opening schedules, service positions and equipment provisions set against the buyer drawing.

Excluded unless written into the quotation. Interior fit-out; optional add-ons; transport; installation and craneage; foundations and hardstanding; site power and water; acoustic consultancy; any laboratory or field testing; project-specific engineering.

7. Site interface and buyer responsibilities

- Level, compacted hardstanding able to carry the module without differential settlement. A frame that racks will open the perimeter seals.
- Access, turning space and a set-down position that suit the approved transport and lifting drawing. A 40 ft module needs a clear route.
- Perimeter sealing at the base, at any module joint and around every service entry is part of the acoustic scope and is inspected on completion.
- Site power and water connections to the agreed terminal points.
- Heavy vibrating equipment inside the cabin requires separate inertia and isolation design. It is not assumed in the standard price.

8. Quotation inputs required from the buyer

Input	Why it is needed
Noise source, distance and duty cycle	Sets the spectrum and level the assembly is designed against
Internal condition required, as NR or NC	Defines the target the room must hold
Any contractual Rw or STC requirement, with method	A numeric claim is only quoted against a defined test or measurement method
Occupancy and use	Single desk, team office, control room or meeting space changes layout and ventilation
Ventilation and AC load, equipment inside	Drives the silenced air path design
Site access, crane availability, set-down position	Governs module size, lifting design and delivery sequence
Vibrating equipment, if any	Triggers separate isolation design

9. Commercial facts and disclaimer

Item	Value
Quotation	Fixed-price quotation within 48 hours of a complete enquiry
Delivery	7 to 21 working days, subject to size, configuration and build queue
Warranty	5-year structural warranty and 1-year finishing warranty as standard; finishing warranty extendable to 2 years on request, confirmed at quotation
Service life	20 to 25 years under proper use and maintenance. This is a design life, not a warranty period.
Office hours	Monday to Saturday, 09:00 to 20:00 IST
Tax and classification	GST 18%, HSN 9406
Contact	https://www.samanportable.com/contact

Disclaimer. This document is issued for buyer information and quotation input. Technical reviewer status is PENDING. It is not released for construction. All steel sections, board thicknesses and insulation densities stated here are references; final engineering, bill of materials and drawings remain controlled and are confirmed at order. Prices are planning figures on a derived estimate basis and exclude the items listed in section 6. No acoustic performance figure is claimed anywhere in this document.