

Skid-Mounted Porta Cabin

Technical specification for procurement, design coordination and quotation review

Repeated-relocation porta cabin built on longitudinal skid runners with a heavy steel frame, rough-service floor, protected openings and defined lift, tie-down and service-disconnect points. It is intended for crane and trailer moves and controlled positioning, not uncontrolled towing or dragging. Handling, support and relocation remain governed by the approved drawing and procedure.

REFERENCE CONFIGURATION	20x10x8.5 ft
COST ESTIMATION INPUT	Rs 1,750 / sq.ft.
PUBLISHED SIZE OPTIONS	6 workbook-controlled configurations
SPECIFICATION PROFILE	19 product-specific + 11 platform-common lines

Typical selection contexts

- Repeated relocation between project sites
- Remote operations support
- Rough-service industrial cabins
- Cabins requiring defined lift and tie-down zones

Costing status: Derived: approved Steel base x internal 4% inheritance

Document control

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Prepared from	SAMAN controlled technical and pricing workbook, sheet 09 Skid-Mounted Porta Cabin, Spec ID PC-SKID-09
Official product page	https://www.samanportable.com/product/porta-cabins/skid-mounted-porta-cabin

Technical Specification - Structure and Envelope

Component	Material / Type	Reference section, size or thickness	Detail
Bottom frame	Longitudinal skid chassis	150x75x5 mm MS C-channel or engineered RHS skid runners with wear and nose plates	Primary runners carry transport, crane placement and limited approved sliding or positioning actions. Runner depth, end geometry and wear plates are finalized from unit weight, support spacing and handling method.
Bottom stiffeners	Skid cross-members and anti-racking bracing	100x50x3 mm channel or RHS cross-members with reinforced lift and tie-down zones	Cross-members and diaphragms resist racking during trailer transport and crane handling.
Floor frame	Heavy floor frame	100x50x3 mm or engineered steel grid supporting heavy MS deck or 24 mm cement board	Floor support prioritizes stiffness under movement and point loads. Underfloor members and welds remain inspectable at critical skid and lift zones.
Top frame	Heavy top perimeter	80x40x3 mm RHS reference	Upper frame controls door and window squareness after repeated handling. Final member sizing follows cabin length and lifting analysis.
Roof stiffeners	Heavy roof frame	60x40x3 mm or engineered secondary members	Roof structure is stiffened for transport vibration and maintains drainage slope after relocation. Rooftop equipment needs dedicated supports.
Corner posts and walls	Heavy wall and corner posts	60x60x3 mm SHS reference with reinforced openings	Posts and opening frames resist repeated racking. Long cabins may require additional bracing per the approved transport or structural drawing.
Lifting and handling	Approved handling provision	Engineered lifting and support points	Provide engineered lifting or handling points and support locations for each transportable module; move the completed module only to the approved lifting, support and transport drawing.
Welding and fabrication	Fabrication control	Welded and bolted connections to approved shop drawings	Fabricate structural-steel connections by qualified welding or bolting to approved shop drawings; deburr edges, inspect dimensions, protect cut edges and close panels only after frame inspection.

Component	Material / Type	Reference section, size or thickness	Detail
Exterior walls	Heavy corrugated exterior	1.6 mm corrugated MS or PPGI shell or approved heavy-duty equivalent	Shell is selected for impact and repeated handling resistance. Removable access panels are used where maintenance is expected instead of field cutting the shell.
Roof	Heavy roof sheet	1.6 mm corrugated or profiled roof, or heavy insulated roof system	Roof edges, flashings and gutters are reinforced against handling damage and checked for drainage after each major relocation.
Floor base	Heavy floor base	Heavy MS floor plate or 24 mm cement-bonded board on stiffened grid	Floor base is selected for moving equipment and cabin flex during handling; local machinery loads require reinforced pads.
Floor finish	Rough-service floor finish	3 mm chequered plate or 2-3 mm heavy commercial PVC or epoxy	Chequered plate is preferred for high-abuse movement and service use; office variants can use commercial PVC over a rigid deck.
Decorative and external finish	Coating and facade finish	Project-selected colour and compatible coating system	Final colour and coating system are project-selected; substrate preparation, compatibility, touch-up and exposure-category maintenance are confirmed in the approved finish schedule.
Fasteners and sealing	Approved joints and seals	Corrosion-compatible fasteners, EPDM, butyl or approved sealants	Use corrosion-compatible mechanical fasteners, EPDM or butyl or approved sealants and flashings at panel joints, corners, roof laps and penetrations; no unsealed field cuts are accepted.

Technical Specification - Interior, Services and Project Controls

Component	Material / Type	Reference section, size or thickness	Detail
Interior walls	Transit-tolerant internal liner	0.50 mm pre-painted metal liner or impact-resistant fibre-cement board	Metal liner is preferred where repeated movement may damage board joints. Panel joints and service trims allow inspection and tightening after relocation.
Ceiling	Transit-tolerant ceiling	0.50 mm metal liner or impact-resistant board ceiling	Ceiling fittings are mechanically secured for road vibration. Access panels are retained with positive fasteners.
Wall insulation	Wall insulation	50-75 mm mineral wool or approved insulated liner	Insulation is retained mechanically so it does not slump during repeated transport; material is selected for thermal, fire or acoustic duty.
Roof insulation	Roof insulation	75-100 mm mineral wool or insulated roof panel	Roof insulation and liner fixings are vibration-resistant and allow inspection around lifting and roof-frame zones.
Main door and service door	Heavy-duty door assembly	Heavy single or double-leaf MS door with anti-rack latch and lockset as required	Door frame is reinforced to stay square after handling. Double-leaf access is used where equipment or furniture movement warrants it.
Windows and service openings	Protected openings	Reduced-size aluminium windows or louvered openings with 5 mm glass and guards where exposed	Openings are kept away from high-stress skid and brace zones and protected from handling damage. Glazing restraint is checked after relocation.
Grills and mosquito mesh	Opening protection	Grill, mosquito mesh, guard or louver as scheduled	Provided only where the approved opening schedule and intended use require it.
Electrical wiring	Copper wiring and containment	1.5 / 2.5 / 4 sq.mm copper starting schedule; final by load	Concealed or protected copper wiring is typically 1.5 sq.mm for lighting, 2.5 sq.mm for sockets and 4 sq.mm for higher-load or AC circuits, subject to the final load schedule and approved electrical drawing.

Component	Material / Type	Reference section, size or thickness	Detail
Electrical protection	DB, MCB, RCCB and earthing	Segregated protected circuits to approved electrical drawing	Provide a distribution board with MCB and RCCB protection, earthing and segregation of lighting, socket, wet-area and AC circuits according to the approved electrical drawing.
Electrical fittings	Lights, sockets and equipment points	LED lights, modular switches, 6A and 16A sockets, fan and AC provision	Coordinated with the approved layout; final quantities and equipment loads are quotation-specific.
Ventilation and AC	Relocation-resistant ventilation and AC	Vibration-secured fans and louvers; removable AC supports and protected service penetrations	AC outdoor units, condensate lines and external accessories are removed or secured for transport according to the relocation procedure.
Plumbing and sanitary	Quick-disconnect service interfaces	Optional protected electrical and plumbing connection points; plumbing only when ordered	Frequently moved cabins use clearly labelled external service connection zones so site utilities can be disconnected without damaging internal distribution.
Layout and configuration	Skid-mounted repeated-relocation configuration	Skid runners, lift and tie-down zones and approved handling procedure	This is not permission to tow or drag the cabin arbitrarily. The move method, support points, trailer restraints and any permitted skid movement are defined by the handling drawing and site procedure.
Painting and coating	Corrosion-protection system	Substrate-appropriate corrosion protection and touch-up	Corrosion protection is matched to substrate and exposure: prepared MS receives the approved primer and topcoat system, while galvanized or coated steel receives compatible cut-edge and damage repair plus coating touch-up where specified.
Quality checks	Inspection and testing	Pre-dispatch dimensional, enclosure, service and functional QA	Pre-dispatch QA covers dimensions, member and panel identification, connections, coating, roof drainage, weather sealing, doors, windows, electrical continuity and functional checks.

Component	Material / Type	Reference section, size or thickness	Detail
Warranty	Commercially confirmed warranty	Standard warranty plus quotation-specific scope	5-year structural warranty and 1-year finishing warranty as standard; finishing warranty extendable to 2 years on request, confirmed at quotation. Relocation damage, misuse, site services, consumables and unapproved alterations remain outside the agreed scope unless explicitly included.

Sizes and Budgetary Prices

The visible Cost Estimation Input control rate is Rs 1,750 per sq.ft. at the 200 sq.ft. reference size. The six published size prices below apply the workbook area-band adjustment to that rate. Cabin price excludes GST. Final estimated price includes 18% GST. Treat every figure as a derived planning estimate.

Size code	Published size	Area sq.ft.	Rate per sq.ft.	Price excl. GST	Price incl. 18% GST
SZ-01	10x10x8.5 ft	100	Rs 2,012.50	Rs 2,01,250	Rs 2,37,475
SZ-02	20x8x8.5 ft	160	Rs 1,925.00	Rs 3,08,000	Rs 3,63,440
SZ-03	20x10x8.5 ft	200	Rs 1,750.00	Rs 3,50,000	Rs 4,13,000
SZ-04	20x12x8.5 ft	240	Rs 1,680.00	Rs 4,03,200	Rs 4,75,776
SZ-05	30x10x8.5 ft	300	Rs 1,680.00	Rs 5,04,000	Rs 5,94,720
SZ-06	40x10x8.5 ft	400	Rs 1,662.50	Rs 6,65,000	Rs 7,84,700

Interior fit-out, optional add-ons, transport, installation, foundations and project-specific engineering or tests are excluded unless explicitly included in the quotation. GST is 18%. HSN 9406 applies to prefabricated buildings.

Handling, Tie-Down and Relocation Controls

- Lift only from the engineered lift and support points shown on the approved handling drawing.
- Restrain only at the designated tie-down points, using the transport restraint specified for the route.
- Support the cabin under the skid runners on the transport bed, never at mid-span.
- Disconnect and cap electrical and any plumbing services at the external connection zone before the lift.
- Remove or secure the AC outdoor unit, condensate line and external accessories before transport.
- Lock all doors and windows and secure loose internal items before the lift.
- After placement, inspect doors, windows, roof drainage and fasteners before returning the cabin to service.
- Towing and dragging are not permitted. Any permitted skid movement uses winch or rollers, only where engineered and shown on the approved handling drawing.

SAMAN publishes no lifting capacity, safe working load, safety factor, unit weight or permitted number of relocations in this document. Those values belong to the approved handling drawing for the specific supplied unit and its stated move method.

Document Control and Contact

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Final drawings, engineering calculations, bill of materials, performance certificates, warranty terms, logistics scope and commercial quotation supersede this selection guide for the specific order. Do not infer a fire, acoustic, structural, corrosion or thermal performance rating unless it is stated and supported for the exact supplied assembly.