



TECHNICAL SPECIFICATION | MATERIALS | SIZES | BUDGETARY PRICES

Porta Cabins

Comprehensive product specification for procurement, design coordination and quotation review

Product overview

Factory-built porta-cabin platform for site offices, rooms, retail, sanitation and general project-support use. The baseline combines a welded MS chassis, selectable corrugated or insulated enclosure, lined interior, rigid floor, doors and windows, protected copper electricals and optional services. Final openings, insulation, service loads, foundations, lifting points and fit-out follow the approved drawing and quotation.

REFERENCE CONFIGURATION

20x10x8.5 ft

COST ESTIMATION INPUT

INR 1,250 / sq.ft.

PUBLISHED SIZE OPTIONS

6 workbook-controlled configurations

SPECIFICATION PROFILE

19 product-specific + 11 platform-common lines

TYPICAL SELECTION CONTEXTS

- Site and project offices
- General-purpose rooms
- Retail or service use
- Sanitation and project-support configurations

Costing status: Approved: direct Costing Sheet source



Official product page

Scan or open the link for enquiries and current web content.

[Open product page](#)

Important

Document control: This PDF is a product specification and budgetary selection guide generated from the controlled technical workbook. It does not replace the approved project drawing, structural design, bill of materials, performance certificate or final commercial quotation.

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Specification overview

Factory-built porta-cabin platform for site offices, rooms, retail, sanitation and general project-support use. The baseline combines a welded MS chassis, selectable corrugated or insulated enclosure, lined interior, rigid floor, doors and windows, protected copper electricals and optional services. Final openings, insulation, service loads, foundations, lifting points and fit-out follow the approved drawing and quotation.

At-a-glance build profile

BOTTOM FRAME 100x50x3 mm MS C-channel primary base frame, ISI-standard or approved equivalent, fabricated as the load-bearing chassis.	EXTERIOR WALLS 1.2 mm specially corrugated MS sheet
ROOF 1.4 mm corrugated MS sheet	FLOOR BASE 18 mm Bison panel
WALL INSULATION 25 mm glass wool or 12 mm heatlon	ROOF INSULATION 50 mm glass wool, nominal density 42 kg/m3
MAIN DOOR / SERVICE DOOR 7x3 ft externally opening MS-framed door using 30x30 mm MS tubular sections	LAYOUT / CONFIGURATION Open single-room layout with furniture and partitions finalized by approved drawing.

Selection and scope control

CHOOSE THIS PRODUCT WHEN - Site and project offices - General-purpose rooms - Retail or service use - Sanitation and project-support configurations	CONFIRM BEFORE ORDER - Final wall and roof panel system - Insulation and climate requirement - Door/window schedule and internal layout - Electrical, plumbing and fit-out scope
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How to use this PDF

- Use the reference specification to compare quotations line by line, not only by total price.
- Freeze product-specific options in the approved drawing, bill of materials and quotation before manufacture.
- Verify project-controlled performance claims against the exact selected assembly, certificates and test evidence.
- Treat published prices as workbook-controlled budget estimates; final scope, taxes, transport and site conditions govern the order value.

Scope boundaries

Included in this technical document: structural framework, enclosure, insulation, floor, openings, electrical and services baseline, six published size options, budgetary price schedule, adjustment rules, project coordination, QA and FAQs.

Not automatically included in the budget: interior fit-out, optional add-ons, transport and installation, foundations, and project-specific engineering or testing unless the quotation states otherwise.

Technical specification: Steel Structure

The table preserves the controlled workbook specification. "Product-specific" rows define this product variant; "platform-common" rows are shared controls that still require confirmation in the approved project documents.

Component / scope	Baseline specification	Detailed design and coordination notes
Bottom frame Product-Specific	100x50x3 mm MS C-channel primary base frame, ISI-standard or approved equivalent, fabricated as the load-bearing chassis.	Porta Cabins hub - 100x50x3 mm MS C-channel primary base frame, ISI-standard or approved equivalent, fabricated as the load-bearing chassis.
Bottom stiffeners Product-Specific	100x50 mm C-channels, 50x50 mm MS angles, 75x40 mm channels and approved square-pipe supports, typically coordinated at about 4 ft intervals to the final...	Porta Cabins hub - 100x50 mm C-channels, 50x50 mm MS angles, 75x40 mm channels and approved square-pipe supports, typically coordinated at about 4 ft intervals to the final floor load and lifting design.
Floor frame Product-Specific	MS base and cross-member grid supporting an 18 mm Bison/cement-fibre floor board fixed with approved self-tapping fasteners; spacing follows the final drawing and design...	Porta Cabins hub - MS base and cross-member grid supporting an 18 mm Bison/cement-fibre floor board fixed with approved self-tapping fasteners; spacing follows the final drawing and design load.
Top frame Product-Specific	50x50x1.6 mm MS square-pipe top perimeter frame of approved make or equivalent.	Porta Cabins hub - 50x50x1.6 mm MS square-pipe top perimeter frame of approved make or equivalent.
Roof stiffeners Product-Specific	50x50x1.2 mm MS square-pipe roof stiffeners with 50x40, 40x40, 50x25 or 25x25 mm secondary members where required by span, ceiling support and drainage slope.	Porta Cabins hub - 50x50x1.2 mm MS square-pipe roof stiffeners with 50x40, 40x40, 50x25 or 25x25 mm secondary members where required by span, ceiling support and drainage slope.
Corner posts / walls Product-Specific	50x50x2 mm MS square-pipe corner and wall posts or approved 60x60 mm MS-angle alternative, with reinforced door and window openings and an approximately 60...	Porta Cabins hub - 50x50x2 mm MS square-pipe corner and wall posts or approved 60x60 mm MS-angle alternative, with reinforced door and window openings and an approximately 60 mm wall cavity.
Lifting / handling Platform Common	Engineered lifting / 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 & fabrication Platform Common	Welded and/or bolted connections to approved shop drawings	Fabricate structural-steel connections by qualified welding and/or bolting to approved shop drawings; deburr safe edges, inspect dimensions, protect cut edges and close panels only after frame inspection.

Technical specification: Walls, Roof, Floor & Insulation

The table preserves the controlled workbook specification. "Product-specific" rows define this product variant; "platform-common" rows are shared controls that still require confirmation in the approved project documents.

Component / scope	Baseline specification	Detailed design and coordination notes
Exterior walls Product-Specific	1.2 mm specially corrugated MS sheet	Porta Cabins hub - 1.2 mm specially corrugated MS sheet
Roof Product-Specific	1.4 mm corrugated MS sheet	Porta Cabins hub - 1.4 mm corrugated MS sheet
Interior walls Product-Specific	8 mm pre-laminated MDF board with aluminium joint sections	Porta Cabins hub - 8 mm pre-laminated MDF board with aluminium joint sections
Ceiling Product-Specific	8 mm pre-laminated MDF ceiling	Porta Cabins hub - 8 mm pre-laminated MDF ceiling
Floor base Product-Specific	18 mm Bison panel	Porta Cabins hub - 18 mm Bison panel
Floor finish Product-Specific	1.3 mm vinyl flooring	Porta Cabins hub - 1.3 mm vinyl flooring
Wall insulation Product-Specific	25 mm glass wool or 12 mm heatlon	Porta Cabins hub - 25 mm glass wool or 12 mm heatlon
Roof insulation Product-Specific	50 mm glass wool, nominal density 42 kg/m3	Porta Cabins hub - 50 mm glass wool, nominal density 42 kg/m3
Decorative / external finish Platform Common	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 & sealing Platform Common	Corrosion-compatible fasteners, EPDM / butyl / approved sealants	Use corrosion-compatible mechanical fasteners, EPDM/butyl or approved sealants and flashings at panel joints, corners, roof laps and penetrations; no unsealed field cuts are accepted.

Technical specification: Doors, Windows, Electrical & Services

The table preserves the controlled workbook specification. "Product-specific" rows define this product variant; "platform-common" rows are shared controls that still require confirmation in the approved project documents.

Component / scope	Baseline specification	Detailed design and coordination notes
Main door / service door Product-Specific	7x3 ft externally opening MS-framed door using 30x30 mm MS tubular sections	Porta Cabins hub - 7x3 ft externally opening MS-framed door using 30x30 mm MS tubular sections
Windows / service opening Product-Specific	Two-track powder-coated aluminium sliding windows with 4 mm glass	Porta Cabins hub - Two-track powder-coated aluminium sliding windows with 4 mm glass
Grills / mosquito mesh Platform Common	Grill / mosquito mesh / guard / louver as scheduled	Security grill, mosquito mesh, guard or louver is provided only where the approved opening schedule and intended use require it.
Electrical wiring Platform Common	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.
Electrical protection Platform Common	Segregated protected circuits to approved electrical drawing	Provide a 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 Platform Common	LED lights, modular switches, 6A/16A sockets, fan / AC provision	LED lights, modular switches, 6A/16A sockets, fan points and AC provision are coordinated with the approved layout; final quantities and equipment loads are quotation-specific.
Ventilation / AC Product-Specific	Natural cross ventilation with fan, exhaust and AC provision as required.	Porta Cabins hub - Natural cross ventilation with fan, exhaust and AC provision as required.
Plumbing / sanitary Product-Specific	Not included unless shown in the approved scope.	Porta Cabins hub - Not included unless shown in the approved scope.
Layout / configuration Product-Specific	Open single-room layout with furniture and partitions finalized by approved drawing.	Porta Cabins hub - Open single-room layout with furniture and partitions finalized by approved drawing.
Painting / coating Platform Common	Substrate-appropriate corrosion protection and touch-up	Corrosion protection is matched to substrate and exposure: prepared MS receives the approved primer/topcoat system, while galvanized/coated steel receives compatible cut-edge and damage repair plus coating touch-up where specified.
Quality checks Platform Common	Pre-dispatch dimensional, enclosure, service and functional QA	Pre-dispatch QA covers dimensions, member/panel identification, connections, coating, roof drainage, weather sealing, doors, windows, electrical continuity and functional checks; specialist performance certificates are verified where the product requires them.
Warranty Platform Common	Final quotation governs warranty scope and exclusions	Warranty period and exclusions are confirmed only in the final quotation; relocation damage, misuse, site services, consumables and unapproved alterations remain outside the agreed scope unless explicitly included.

Published sizes and budgetary pricing

The visible Cost Estimation Input control rate is INR 1,250 per sq.ft. The six published size prices below are the calculated workbook values. The costing status is: Approved: direct Costing Sheet source. Cabin Price excludes GST. Final Estimated Price includes 18% GST.

Code	Published size	Area (sq.ft.)	Adjusted rate per sq.ft.	Cabin price excl. GST	Final price incl. GST
SZ-01	10x10x8.5 ft	100	INR 1,437.5	INR 143,750	INR 169,625
SZ-02	20x8x8.5 ft	160	INR 1,375	INR 220,000	INR 259,600
SZ-03	20x10x8.5 ft	200	INR 1,250	INR 250,000	INR 295,000
SZ-04	20x12x8.5 ft	240	INR 1,200	INR 288,000	INR 339,840
SZ-05	30x10x8.5 ft	300	INR 1,200	INR 360,000	INR 424,800
SZ-06	40x10x8.5 ft	400	INR 1,187.5	INR 475,000	INR 560,500

Pricing notes

Transport and installation: Quoted separately for every published size.

Price control: Quantities, openings and services scale with the approved drawing while the product technical framework remains applicable.

Commercial control: The final written quotation, approved drawing and bill of materials govern the order.

Area-band adjustment rules

The workbook applies the following non-overlapping area bands to the product Cost Estimation Input control rate. These rules are shown for transparency and must be kept synchronized with the website calculator and quotation logic.

Area band	Rate adjustment	Multiplier
100-149 sq.ft.	15% above control rate	1.15x
150-199 sq.ft.	10% above control rate	1.10x
Exactly 200 sq.ft.	No adjustment	1.00x
201-300 sq.ft.	4% below control rate	0.96x
301-400 sq.ft.	5% below control rate	0.95x
401-500 sq.ft.	6% below control rate	0.94x
501-600 sq.ft.	7% below control rate	0.93x
601-700 sq.ft.	8% below control rate	0.92x
701-800 sq.ft.	9% below control rate	0.91x
801 sq.ft. and above	10% below control rate	0.90x

Quotation scope and price controls

Use this page to reproduce the workbook calculation and compare quotations on an equivalent scope. A lower total is not directly comparable when materials, openings, insulation, services, logistics, testing or taxes differ.

Worked calculation - first published size

Calculation step	Workbook value	Control note
1. Cost Estimation Input	INR 1,250	Controlled 200 sq.ft. reference rate for this product.
2. Published size and area	10x10x8.5 ft 100 sq.ft.	Area shown in the workbook size schedule.
3. Area-band multiplier	1.15x	Applied from the non-overlapping area-band table.
4. Adjusted rate	INR 1,437.5	Control rate multiplied by the applicable area-band factor.
5. Cabin price excl. GST	INR 143,750	Published area multiplied by the adjusted rate.
6. GST at 18%	INR 25,875	Added to the cabin price; rounded to the nearest INR in the schedule.
7. Final estimated price	INR 169,625	Workbook-published total including 18% GST.

BUDGET EXCLUSIONS

- Interior fit-out and furniture unless explicitly included.
- Optional add-ons and equipment not shown in the approved scope.
- Transport, offloading, positioning and installation unless quoted.
- Foundations, plinths, supports, anchors and external site utilities.
- Project-specific structural engineering, fire or acoustic tests, specialist certificates and third-party approvals unless quoted.

QUOTATION COMPARISON CHECKLIST

- Match the exact product, document revision, size and area.
- Compare section sizes, sheet or panel thicknesses, insulation and floor build-up.
- Compare doors, windows, grills, ventilation, electrical and sanitary quantities.
- Confirm coatings, finishes, accessories, testing and documentation.
- Separate GST, transport, offloading, installation, foundations and site utilities.
- Record delivery programme, warranty scope, exclusions and quotation validity.

Price disclaimer

These figures are workbook-controlled budget estimates for the published technical framework. Material selection, custom dimensions, quantity, project location, access, performance requirements, taxes and market conditions can change the final quotation.

Project coordination and pre-dispatch quality

A technically complete quotation depends on the project information below. Freeze these inputs before final drawings and manufacture to reduce variations, field cutting and interface disputes.

INFORMATION REQUIRED FOR A FIRM QUOTATION

- Project location, climate or exposure condition and intended service life.
- Selected published size or custom dimensions, quantity and required delivery sequence.
- Intended use, occupancy, room layout, partitions and equipment or storage loads.
- Door, window, service opening, grill, louver and security schedule.
- Electrical supply, connected load, AC or ventilation equipment, socket and lighting schedule.
- Water, waste, sanitary, fire, acoustic or other specialist performance requirements where applicable.
- Transport route, site access, crane or unloading plan, lifting restrictions and final support locations.
- Finish colours, signage, furniture, accessories, warranty expectations and required documentation.

SITE READINESS BEFORE DELIVERY

- Prepared, level and adequately designed supports, plinth or foundations at the approved locations.
- Clear trailer and crane access, turning radius, overhead clearance and safe lifting area.
- Verified external electrical, earthing, water, waste and drainage connection points.
- Weatherproof interface details at module joints, supports, roof drainage and service penetrations.
- Permits, structural approval, fire or acoustic approvals and local authority requirements as applicable.
- Protected storage and handling plan for knock-down components or accessories delivered separately.

Pre-dispatch quality checks

Controlled QA baseline

Pre-dispatch QA covers dimensions, member/panel identification, connections, coating, roof drainage, weather sealing, doors, windows, electrical continuity and functional checks; specialist performance certificates are verified where the product requires them.

Handling, sealing and corrosion protection

Control	Requirement
Handling	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.
Joints and seals	Use corrosion-compatible mechanical fasteners, EPDM/butyl or approved sealants and flashings at panel joints, corners, roof laps and penetrations; no unsealed field cuts are accepted.
Coating and touch-up	Corrosion protection is matched to substrate and exposure: prepared MS receives the approved primer/topcoat system, while galvanized/coated steel receives compatible cut-edge and damage repair plus coating touch-up where specified.

Handover, maintenance and warranty controls

The following controls support acceptance and continued service. They are recommendations for project coordination and should be aligned with the final quotation, approved drawings, site risk assessment and any specialist manufacturer instructions.

Recommended owner inspection points

- Keep roof drainage paths, gutters and outlets clear; investigate standing water or leakage promptly.
- Inspect flashings, panel joints, sealants, fasteners, door and window perimeters and service penetrations.
- Repair coating, cut-edge or galvanized-surface damage with the compatible approved system.
- Do not add large openings, equipment supports or unapproved penetrations without design review.
- After transport or relocation, inspect frame alignment, connections, floor, panels, seals, electricals and services before use.
- Arrange electrical testing and specialist fire, acoustic, plumbing or structural inspection where the project requires it.

Recommended handover pack

Handover item	Minimum coordination record
Approved configuration	Final general arrangement, opening schedule, service layout and selected finish schedule.
Technical schedule	Final bill of materials or approved technical schedule identifying product-specific selections and approved deviations.
Quality records	Pre-dispatch inspection or acceptance record, dimensional checks and functional checks included in the agreed scope.
Electrical records	Circuit schedule, protection details and test or commissioning records where included in the electrical scope.
Specialist evidence	Fire, acoustic, structural, corrosion or material certificates only where specifically required and quoted for the exact assembly.
Care and warranty	Handling, touch-up and maintenance guidance together with the final warranty period, scope, exclusions and claim process.

Inspection triggers

Review trigger	Recommended action
At delivery / after relocation	Check supports, frame alignment, panels, roof, openings, seals, finishes, service connections and visible transit damage before occupation.
After severe weather or leakage report	Inspect roof drainage, laps, penetrations, sealants and internal signs of moisture; rectify the cause before cosmetic repairs.
Periodic site review	Review fasteners, seals, coatings, doors, windows, floor condition, electrical protection and any site-made alterations; frequency depends on exposure and use.
Before modification or new equipment	Obtain design and services review before cutting openings, adding loads, mounting equipment or changing the approved support arrangement.

Warranty control

Warranty period and exclusions are confirmed only in the final quotation; relocation damage, misuse, site services, consumables and unapproved alterations remain outside the agreed scope unless explicitly included.

Porta Cabins FAQs

These answers summarize the controlled workbook and highlight the decisions that must be confirmed before manufacture. They are written for procurement teams, consultants, contractors and end users comparing portable-cabin quotations.

What is the intended use of the Porta Cabins?

Factory-built porta-cabin platform for site offices, rooms, retail, sanitation and general project-support use. The baseline combines a welded MS chassis, selectable corrugated or insulated enclosure, lined interior, rigid floor, doors and windows, protected copper electricals and optional services. Final openings, insulation, service loads, foundations, lifting points and fit-out follow the approved drawing and quotation.

What structural base is specified?

The controlled baseline states: 100x50x3 mm MS C-channel primary base frame, ISI-standard or approved equivalent, fabricated as the load-bearing chassis. Final member sizing, spacing, connections and handling provisions remain subject to the approved drawing.

What wall, roof and insulation system is specified?

Exterior wall: 1.2 mm specially corrugated MS sheet Roof: 1.4 mm corrugated MS sheet Wall insulation: 25 mm glass wool or 12 mm heatlon Roof insulation: 50 mm glass wool, nominal density 42 kg/m³

What floor construction is specified?

Floor base: 18 mm Bison panel Floor finish: 1.3 mm vinyl flooring Higher loads, wet use or specialist finishes must be stated in the approved scope.

How are electrical systems controlled?

Wiring baseline: 1.5 / 2.5 / 4 sq.mm copper starting schedule; final by load Protection baseline: Segregated protected circuits to approved electrical drawing Final circuit quantities, load schedule, earthing and equipment points follow the approved electrical drawing.

Does every Porta Cabin use one fixed wall system?

No. This hub specification is intentionally a selector. The final enclosure, insulation and interior package must be frozen in the approved drawing, bill of materials and quotation.

Is plumbing included in the baseline?

No. Plumbing and sanitary work are included only when they are shown in the approved project scope.

What is controlled by the approved drawing?

Openings, insulation, service loads, partitions, foundations or supports, lifting points and fit-out are project-controlled.

Is plumbing or sanitary work included?

Workbook baseline: Not included unless shown in the approved scope. Only the approved quotation and service schedule establish the final inclusion.

Which size and price should a buyer rely on?

Use the six published workbook configurations in this PDF as budgetary comparisons. The Cost Estimation Input rate is INR 1,250 per sq.ft.; the final quotation governs custom scope, taxes, transport and installation.

What is excluded unless specifically quoted?

Interior fit-out, optional add-ons, transport and installation, foundations and external utilities, and project-specific engineering, tests or certificates are excluded unless the written quotation includes them.

Document control and contact

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Document title	Porta Cabins - Technical Specification, Sizes and Budgetary Price Guide
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Technical source	SAMAN controlled technical and pricing workbook; 30 technical lines and six published size configurations.
Commercial basis	Cost Estimation Input control rate INR 1,250/sq.ft.; workbook area-band multipliers; 18% GST in final estimated prices.
Costing status	Approved: direct Costing Sheet source
Official product page	https://www.samanportable.com/product/porta-cabins
Document owner	SAMAN Portable SAMAN POS India Private Limited



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Final control note

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.