



TECHNICAL SPECIFICATION | MATERIALS | SIZES | BUDGETARY PRICES

# Galvanized Iron (GI) Porta Cabin

Comprehensive product specification for procurement, design coordination and quotation review

## Product overview

Corrosion-focused porta cabin for coastal, humid, chemical-adjacent or difficult-to-maintain deployments. The specification separates full galvanized structural construction, hybrid galvanized critical members and pre-galvanized or GI cladding on an MS frame. Zinc coating mass, base-metal thickness and compatible fasteners and sealants must be stated explicitly in the approved purchase specification.

### REFERENCE CONFIGURATION

**20x10x8.5 ft**

### COST ESTIMATION INPUT

**INR 1,375 / sq.ft.**

### PUBLISHED SIZE OPTIONS

**6 workbook-controlled configurations**

### SPECIFICATION PROFILE

**19 product-specific + 11 platform-common lines**

### TYPICAL SELECTION CONTEXTS

- Coastal and high-humidity sites
- Chemical-adjacent environments
- Remote long-duration deployments
- Sites with limited maintenance access

**Costing status:** Planning estimate: confirm quotation



### 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

Corrosion-focused porta cabin for coastal, humid, chemical-adjacent or difficult-to-maintain deployments. The specification separates full galvanized structural construction, hybrid galvanized critical members and pre-galvanized or GI cladding on an MS frame. Zinc coating mass, base-metal thickness and compatible fasteners and sealants must be stated explicitly in the approved purchase specification.

### At-a-glance build profile

|                                                                                                                        |                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>BOTTOM FRAME</b><br>100x50x3 mm structural channel reference; hot-dip galvanized for full-GI build                  | <b>EXTERIOR WALLS</b><br>0.8-1.2 mm BMT corrugated GI/PPGI; IS 277 or approved equivalent                                 |
| <b>ROOF</b><br>1.0-1.4 mm BMT profiled GI/PPGI roof; sealed laps and flashings                                         | <b>FLOOR BASE</b><br>18-24 mm cement-bonded board on protected steel grid                                                 |
| <b>WALL INSULATION</b><br>50-75 mm mineral wool or 50 mm PUF/PIR infill; climate-specific vapour control               | <b>ROOF INSULATION</b><br>75-100 mm mineral wool or 60-80 mm insulated roof panel                                         |
| <b>MAIN DOOR / SERVICE DOOR</b><br>7x3 ft office door or heavy-duty leaf; galvanized/MS frame with compatible hardware | <b>LAYOUT / CONFIGURATION</b><br>Single-room or partitioned GI cabin; exposure and maintenance plan confirmed at approval |

### Selection and scope control

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CHOOSE THIS PRODUCT WHEN</b> <ul style="list-style-type: none"> <li>Coastal and high-humidity sites</li> <li>Chemical-adjacent environments</li> <li>Remote long-duration deployments</li> <li>Sites with limited maintenance access</li> </ul> | <b>CONFIRM BEFORE ORDER</b> <ul style="list-style-type: none"> <li>Full GI, hybrid GI or GI cladding on MS frame</li> <li>Base-metal thickness and zinc coating mass</li> <li>Exposure category and coating system</li> <li>Compatible fasteners, sealants and cut-edge repair</li> </ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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                                                                                                                                                                                                                                                       |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bottom frame</b><br><b>Product-Specific</b>             | 100x50x3 mm structural channel reference; hot-dip galvanized for full-GI build          | GI corrosion-resistant build - Primary chassis uses 100x50x3 mm structural channel as the reference geometry. For the full-GI configuration, structural members are hot-dip galvanized to the approved project galvanizing schedule; certificates and coating repair procedure are required. |
| <b>Bottom stiffeners</b><br><b>Product-Specific</b>        | 100x50 channels, 50x50 angles, 75x40 channels or engineered equivalent                  | GI corrosion-resistant build - Secondary base members are galvanized or zinc-protected to the same exposure strategy as the primary chassis. Welded/cut locations are repaired with an approved zinc-rich system; spacing follows floor load, lifting and transport design.                  |
| <b>Floor frame</b><br><b>Product-Specific</b>              | Galvanized/MS cross-grid + 18-24 mm cement-bonded floor board                           | GI corrosion-resistant build - Cross-members support a moisture-tolerant cement-bonded floor board. Dissimilar-material contact and trapped-water pockets are isolated or drained, and the underside receives a compatible corrosion-protection system.                                      |
| <b>Top frame</b><br><b>Product-Specific</b>                | 50x50x1.6 mm SHS reference; final section by span and openings                          | GI corrosion-resistant build - Upper perimeter members use galvanized/pre-galvanized structural hollow sections where compatible with the fabrication route; final member sizing and connection details follow the approved drawing.                                                         |
| <b>Roof stiffeners</b><br><b>Product-Specific</b>          | 50x50x1.2 mm primary stiffener with 50x40 / 40x40 / 50x25 secondary members as required | GI corrosion-resistant build - Roof framing retains positive drainage and supports the selected GI/PPGI roofing. Section spacing is adjusted for span, roof panel system, service loads and local design actions.                                                                            |
| <b>Corner posts / walls</b><br><b>Product-Specific</b>     | 50x50x2 mm SHS or 60x60 mm angle reference                                              | GI corrosion-resistant build - Corner and wall posts are galvanized or otherwise zinc-protected, with reinforced door/window openings. Full-GI and hybrid GI-panel/MS-frame configurations are identified separately in the quotation.                                                       |
| <b>Lifting / handling</b><br><b>Platform Common</b>        | 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.                                                                                                    |
| <b>Welding &amp; fabrication</b><br><b>Platform Common</b> | 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                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Exterior walls</b><br><b>Product-Specific</b>              | 0.8-1.2 mm BMT corrugated GI/PPGI; IS 277 or approved equivalent               | GI corrosion-resistant build - Corrugated zinc-coated sheet is selected by exposure. JSW publishes GI thickness capability from 0.13-3.0 mm, coating up to 275 gsm and IS 277 / ASTM A653 / JIS G3302 options; the project schedule must state BMT and required coating mass rather than thickness alone. |
| <b>Roof</b><br><b>Product-Specific</b>                        | 1.0-1.4 mm BMT profiled GI/PPGI roof; sealed laps and flashings                | GI corrosion-resistant build - Roof sheet uses a zinc-coated/protected substrate with compatible fasteners, washers and flashings. Coastal or sustained high-humidity use requires coating mass and paint system selected for the exposure and supplier certification.                                    |
| <b>Interior walls</b><br><b>Product-Specific</b>              | 0.40-0.50 mm pre-painted GI liner or 8 mm fibre-cement board                   | GI corrosion-resistant build - A metal liner is the default for corrosion-resilient industrial/high-humidity use; fibre-cement lining can be selected where a board finish is preferred. MDF is not the default in persistently damp service.                                                             |
| <b>Ceiling</b><br><b>Product-Specific</b>                     | 0.40-0.50 mm pre-painted metal liner or 6-8 mm fibre-cement board              | GI corrosion-resistant build - Ceiling material is coordinated with condensation control and service access. All cut edges and penetrations are sealed to maintain the corrosion-protection strategy.                                                                                                     |
| <b>Floor base</b><br><b>Product-Specific</b>                  | 18-24 mm cement-bonded board on protected steel grid                           | GI corrosion-resistant build - Floor substrate is screw-fixed to the support grid with corrosion-compatible fasteners; perimeter edges and underside are protected from splash and trapped moisture.                                                                                                      |
| <b>Floor finish</b><br><b>Product-Specific</b>                | 2 mm commercial vinyl or 3 mm chequered steel according to duty                | GI corrosion-resistant build - Office-type GI cabins use sealed commercial vinyl; rough industrial or repeated-wet service may use chequered steel or another durable finish agreed in the quotation.                                                                                                     |
| <b>Wall insulation</b><br><b>Product-Specific</b>             | 50-75 mm mineral wool or 50 mm PUF/PIR infill; climate-specific vapour control | GI corrosion-resistant build - Insulation choice is driven by thermal, acoustic and fire requirements. Vapour-control location and cavity ventilation are coordinated with the external humidity/temperature profile to reduce interstitial condensation.                                                 |
| <b>Roof insulation</b><br><b>Product-Specific</b>             | 75-100 mm mineral wool or 60-80 mm insulated roof panel                        | GI corrosion-resistant build - Roof insulation is continuous around framing as far as practical. Condensation control, drainage, ridge/eave flashing and penetrations are detailed as one roof system.                                                                                                    |
| <b>Decorative / external finish</b><br><b>Platform Common</b> | 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.                                                                                                                     |
| <b>Fasteners &amp; sealing</b><br><b>Platform Common</b>      | 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                                                                                                                                                                                                                               |
|------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main door / service door</b><br>Product-Specific  | 7x3 ft office door or heavy-duty leaf; galvanized/MS frame with compatible hardware      | GI corrosion-resistant build - Door frame, hinges, lockset and fasteners use materials/coatings compatible with the zinc-protected shell. Threshold and canopy details prevent water trapping at the opening.                                                        |
| <b>Windows / service opening</b><br>Product-Specific | Powder-coated aluminium frame; 4-5 mm glass; sealed and isolated interfaces              | GI corrosion-resistant build - Aluminium windows are separated from dissimilar steel where needed and perimeter sealed. Louvers or reduced openings can replace windows for industrial/high-humidity service.                                                        |
| <b>Grills / mosquito mesh</b><br>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.                                                                                                                                     |
| <b>Electrical wiring</b><br>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.                                                      |
| <b>Electrical protection</b><br>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.                                                                                          |
| <b>Electrical fittings</b><br>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.                                                                                     |
| <b>Ventilation / AC</b><br>Product-Specific          | Natural ventilation, corrosion-resistant louver/exhaust and AC provision as scheduled    | GI corrosion-resistant build - Ventilation strategy controls moisture accumulation. AC condensate is routed clear of the chassis and cladding; service penetrations are sealed without compromising zinc/coating protection.                                         |
| <b>Plumbing / sanitary</b><br>Product-Specific       | Protected, sealed penetrations; isolate dissimilar metals                                | GI corrosion-resistant build - Plumbing is not standard unless ordered. Pipe sleeves, drains and brackets are detailed to avoid galvanic contact and persistent wetting of galvanized steel.                                                                         |
| <b>Layout / configuration</b><br>Product-Specific    | Single-room or partitioned GI cabin; exposure and maintenance plan confirmed at approval | GI corrosion-resistant build - The cabin is intended for sites where enhanced corrosion protection is justified. The quotation identifies whether the build is full GI, hybrid GI structural members, or pre-galvanized cladding on an MS frame.                     |
| <b>Painting / coating</b><br>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.                              |
| <b>Quality checks</b><br>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. |
| <b>Warranty</b><br>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 1,375 per sq.ft. The six published size prices below are the calculated workbook values. The costing status is: Planning estimate: confirm quotation. 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 1,581.25             | INR 158,125           | <b>INR 186,588</b>    |
| SZ-02 | 20x8x8.5 ft    | 160           | INR 1,512.5              | INR 242,000           | <b>INR 285,560</b>    |
| SZ-03 | 20x10x8.5 ft   | 200           | INR 1,375                | INR 275,000           | <b>INR 324,500</b>    |
| SZ-04 | 20x12x8.5 ft   | 240           | INR 1,320                | INR 316,800           | <b>INR 373,824</b>    |
| SZ-05 | 40x8x8.5 ft    | 320           | INR 1,306.25             | INR 418,000           | <b>INR 493,240</b>    |
| SZ-06 | 40x10x8.5 ft   | 400           | INR 1,306.25             | INR 522,500           | <b>INR 616,550</b>    |

### 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 | <b>1.15x</b> |
| 150-199 sq.ft.       | 10% above control rate | <b>1.10x</b> |
| Exactly 200 sq.ft.   | No adjustment          | <b>1.00x</b> |
| 201-300 sq.ft.       | 4% below control rate  | <b>0.96x</b> |
| 301-400 sq.ft.       | 5% below control rate  | <b>0.95x</b> |
| 401-500 sq.ft.       | 6% below control rate  | <b>0.94x</b> |
| 501-600 sq.ft.       | 7% below control rate  | <b>0.93x</b> |
| 601-700 sq.ft.       | 8% below control rate  | <b>0.92x</b> |
| 701-800 sq.ft.       | 9% below control rate  | <b>0.91x</b> |
| 801 sq.ft. and above | 10% below control rate | <b>0.90x</b> |

## 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                                                          |
|-----------------------------------|----------------------------------|-----------------------------------------------------------------------|
| <b>1. Cost Estimation Input</b>   | <b>INR 1,375</b>                 | Controlled 200 sq.ft. reference rate for this product.                |
| <b>2. Published size and area</b> | <b>10x10x8.5 ft   100 sq.ft.</b> | Area shown in the workbook size schedule.                             |
| <b>3. Area-band multiplier</b>    | <b>1.15x</b>                     | Applied from the non-overlapping area-band table.                     |
| <b>4. Adjusted rate</b>           | <b>INR 1,581.25</b>              | Control rate multiplied by the applicable area-band factor.           |
| <b>5. Cabin price excl. GST</b>   | <b>INR 158,125</b>               | Published area multiplied by the adjusted rate.                       |
| <b>6. GST at 18%</b>              | <b>INR 28,463</b>                | Added to the cabin price; rounded to the nearest INR in the schedule. |
| <b>7. Final estimated price</b>   | <b>INR 186,588</b>               | 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                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b>             | 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.                                               |
| <b>Joints and seals</b>     | 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.                                                 |
| <b>Coating and touch-up</b> | 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                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Approved configuration</b> | Final general arrangement, opening schedule, service layout and selected finish schedule.                                          |
| <b>Technical schedule</b>     | Final bill of materials or approved technical schedule identifying product-specific selections and approved deviations.            |
| <b>Quality records</b>        | Pre-dispatch inspection or acceptance record, dimensional checks and functional checks included in the agreed scope.               |
| <b>Electrical records</b>     | Circuit schedule, protection details and test or commissioning records where included in the electrical scope.                     |
| <b>Specialist evidence</b>    | Fire, acoustic, structural, corrosion or material certificates only where specifically required and quoted for the exact assembly. |
| <b>Care and warranty</b>      | Handling, touch-up and maintenance guidance together with the final warranty period, scope, exclusions and claim process.          |

## Inspection triggers

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

## Galvanized Iron (GI) Porta Cabin 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 Galvanized Iron (GI) Porta Cabin?

Corrosion-focused porta cabin for coastal, humid, chemical-adjacent or difficult-to-maintain deployments. The specification separates full galvanized structural construction, hybrid galvanized critical members and pre-galvanized or GI cladding on an MS frame. Zinc coating mass, base-metal thickness and compatible fasteners and sealants must be stated explicitly in the approved purchase specification.

### What structural base is specified?

The controlled baseline states: 100x50x3 mm structural channel reference; hot-dip galvanized for full-GI build Final member sizing, spacing, connections and handling provisions remain subject to the approved drawing.

### What wall, roof and insulation system is specified?

Exterior wall: 0.8-1.2 mm BMT corrugated GI/PPGI; IS 277 or approved equivalent Roof: 1.0-1.4 mm BMT profiled GI/PPGI roof; sealed laps and flashings Wall insulation: 50-75 mm mineral wool or 50 mm PUF/PIR infill; climate-specific vapour control Roof insulation: 75-100 mm mineral wool or 60-80 mm insulated roof panel

### What floor construction is specified?

Floor base: 18-24 mm cement-bonded board on protected steel grid Floor finish: 2 mm commercial vinyl or 3 mm chequered steel according to duty 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 "GI Porta Cabin" automatically mean a fully galvanized structure?

No. The quotation must identify whether the configuration is full galvanized structural construction, a hybrid with galvanized critical members, or GI or pre-galvanized cladding on an MS frame.

### What must the purchase order state for GI sheets?

State the base-metal thickness, required zinc coating mass or grade, applicable material standard, finish, fastener compatibility and cut-edge repair method.

### Why is the costing status marked for confirmation?

The workbook treats this as a planning estimate. The commercial price must be confirmed against the selected GI configuration, coating mass, sheet thickness and exposure strategy.

### Is plumbing or sanitary work included?

Workbook baseline: Protected, sealed penetrations; isolate dissimilar metals 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 1,375 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

|                              |                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Document ID</b>           | SP-PC-GI-03-TS-R1                                                                                                                                 |
| <b>Document title</b>        | Galvanized Iron (GI) Porta Cabin - Technical Specification, Sizes and Budgetary Price Guide                                                       |
| <b>Revision</b>              | Rev 1   14 August 2026                                                                                                                            |
| <b>Technical source</b>      | SAMAN controlled technical and pricing workbook; 30 technical lines and six published size configurations.                                        |
| <b>Commercial basis</b>      | Cost Estimation Input control rate INR 1,375/sq.ft.; workbook area-band multipliers; 18% GST in final estimated prices.                           |
| <b>Costing status</b>        | Planning estimate: confirm quotation                                                                                                              |
| <b>Official product page</b> | <a href="https://www.samanportable.com/product/porta-cabins/gi-porta-cabin">https://www.samanportable.com/product/porta-cabins/gi-porta-cabin</a> |
| <b>Document owner</b>        | SAMAN Portable   SAMAN POS India Private Limited                                                                                                  |



## Request a project quotation

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[Open the SAMAN Portable contact page](#)

## 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.