

Technical specification of Pre fab cabin

Indent No 92599039

1	Prefabricated building size	Polyurethane foamed Cabin Size 4Mx2.5M single slope type, Head height 9 feet.
2	Panel thickness	60mm Polyurethane Sandwich panel, PU foam must be CFC free self extinguishing, fire retardant type having density 40Kg/m ³ .PPGI (Ispat, Jindal or Essar) cladding both sides 0.5mm
3	PU Foam Thickness	60mm panel
4	Panel to panel	Joints in vertical wall panels, wall to roof panels, shall have dovetail construction and shall be provided with camlok. Corner panel of suitable size will be required to strengthen the vertical structure. After erection the joints will be further sealed with silicon sealant to ensure waterproof construction.
5	Door	Single Leaf Type One door of Size 3'X7' made from kit having Aluminum frame work 100% air tight, hinges, rubber seal, door handle, door closure and bolt etc shall be provided with locking arrangement (Cylinder type 3way) Rain protection shroud shall be provided above the outer door opening.
6	Floor	Floor with 18 mm Marine Ply board & PUF panel 60mm with Internal pipe reinforcement 0.6mm thick PPGI sheets both sides. Floor covering shall be covered with 2mm thick antistatic material
7	Beam	ISMB Beam 150x75/200x100 duly galvanized with base plate, Templates & J bolts to sustain the shelter designed load.
8	Panel locking arrangement	Tongue and groove type and camlok.
9	Antistatic flooring	2mm Thickness antistatic material.
10	Water proofing	After erection, roof panel shall be water proofed with electrometric material rubberize polyurethane based brush applied type water proofing material having Aluminum finish.
11	Sun/Rain guard	Made from profiled color coated sheets supported on fabricated C channels. The rain guard shall have slope from front to back and extended by 1-1/2 feet on all sides of shelter. This feature provides additional safety/waterproofing, Gap between rain guard and shelter roof shall be closed with folded sheets to impart good finish and minimize water entry.
12	Lighting and fans.	Equipment room shall be provided with complete internal wiring arrangement for providing fitting shall be made ready. Firm has to supply to supply & installs Tube lights (02nos), Fans (02nos), Exhaust fan (01nos) and switches, Sockets required for above appliances.
13	Ventilation	2 ventilators shall be provided of size 400mmX600mm. These shall have internal provision for glass offset on top and bottom. Proper wire mesh/grill shall also be provided at the end of the ventilator. Canopy shall be provided above each ventilator/exhaust fan. Protection shed shall be extended by 18 inches out wards.
14	Foundation/Civil work	Foundation and any civil work involve in erection of Prefab cabin shall also be carried out as a scope of work.
15	Finishing Medium.	Outer of the Cabin shall be texture coated & internal will be oil bond distemper of Sky blue color or any color /texture with satisfaction of Railway administration.

SSE(Med)

Dy CMB (I)

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 Dy. C. M. E. (I)

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 wagon Repair Shop (W.C.R.) KOTA