

Technology in Brief

The proposed two storey system consists of a foldable steel frames with hinges and composite materials. The dimension of structure is 10.5 ft. × 9.5 ft. × 18 ft. when unfolded and becomes 1.5 ft. height when folded. The complete structure can be opened up and transported with the help of crane. It can be used as a temporary shelter in disaster affected areas. The ground storey wall panels can be opened to make it flood resistant.

Salient Features/Advantages

- Easy installation procedure.
- Completed structure in all aspect.
- Provided with electrical connections and lighting arrangements.
- Easy to transport and installation.
- Collapsible & transportable.
- Complete system including flooring with foldable staircases.



a) First Floor (F.F)

b) First Floor Front Panel

c) Ground Floor

d) Final View

Typical Folding Mechanism

Properties & Standards	Vertical collapsible and easily transportable when in collapsed stage
End Product(s)	Collapsible Structure
License/Commercialization	Ready for Commercialization
TRL	6
Awards/Recognitions	Director's Best Technology Award