

Technology in Brief

The Collapsed structural form can be expanded very quickly, & it will shape like a building unit within a very short time.

- **Dimensions:** 0.3x0.3x1.5m in collapsible (Packaged) form and 4mx4mx3.5m in expandable form
- **Weight:** Typically, <200Kg for one storey unit.
- **Assembling Time:** The structural system of PTBUs can be assembled at the site within 30minutes with the help of 4 unskilled persons who can be trained in 1hr.
- **Optional Foundation/ anchorage with the ground:** A self- driven foundation system can be used as a fixing arrangement of the structure with the ground.

Salient features/Advantages

- Efficient Use of Resources
- Flexibility and Mobility.
- High-Quality Welfare Facilities.
- Reduced Capital Investment.
- Can be useful for army, disaster affected areas, at archeological sites, temporary shelters etc.

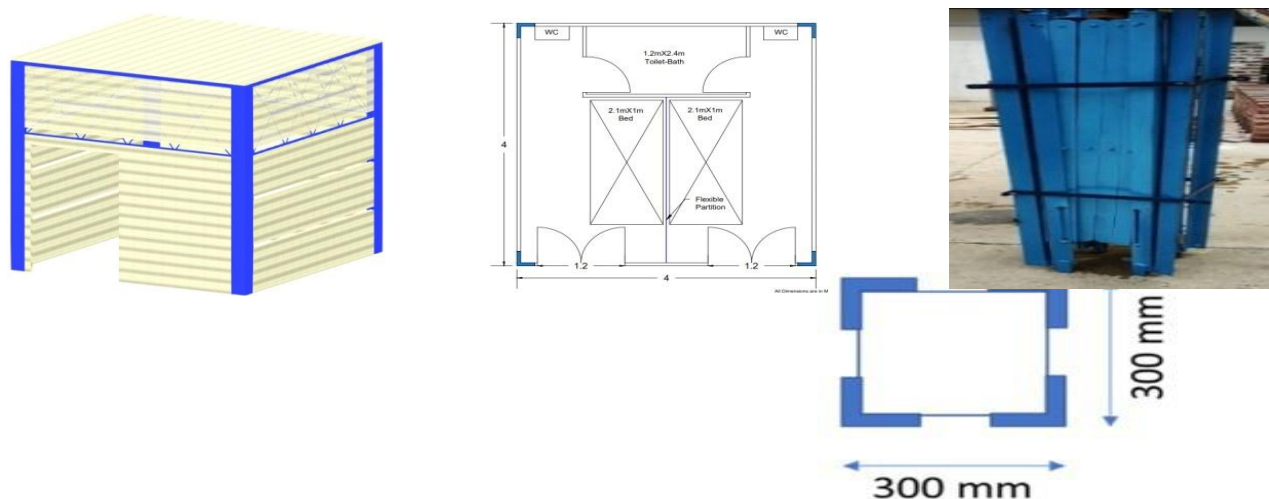


Fig 1: Different forms of PTBU expanded and collapsed Form

Properties & Standards	Energy efficient, easy to remove and reinstall and cost-effective
End Product(s)	Portable Temporary Building Unit
License/Commercialization	M/s Rebuild Technologies Services Pvt. Ltd.
TRL	07
Environmental Impact	Environment friendly
Setup - Equipment required	Any manufacturing firm
Linkedin video link	https://www.linkedin.com/posts/csircbri_disasterrelief-sustainabletech-emergencyresponse-activity-7333835370381357057-LqTY?utm_source=share&utm_medium=member_desktop&rcm=ACoAAE1ijyABshTzQUwK7Dj8mksi4yko5dgW6LA
Youtube video link	https://www.youtube.com/watch?v=FV6q9_F7F3M

