

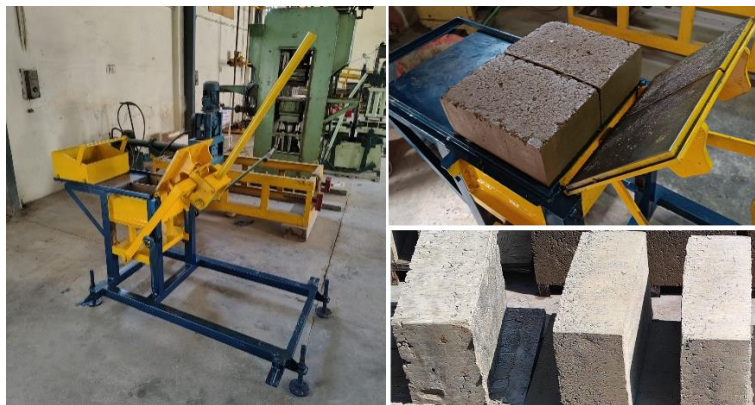
# MUD BLOCK MACHINE FOR HIGH ALTITUDE REGIONS

## Technology in Brief

Mud block machine for high altitude regions addresses the challenges of construction in remote, hilly, and rugged terrains by providing sustainable and cost-effective solution for making building products. The machine employs a mechanized production system that produces 2 blocks per batch and up to 800-1000 blocks per shift with two man power requirement for operation with minimal human effort. The block machine is solely mechanized and operates without electricity. The machine weighs approximately 80-100 kgs and can be further split into sub-assemblies for ease of transport and assembly. Moreover, it requires minimal maintenance and rugged construction parts, making the machine ideal for construction in high-altitude regions e.g., Leh and Ladakh. The developed technology addresses the limitations of low-quality, manually cast mud blocks by offering superior quality, mechanized and higher production rate and large turnover even in challenging environments of high-altitude regions.

## Salient Features/Advantages

- Lightweight and portable.
- No electricity requirement, low maintenance.
- Ease of transport and installation.
- Quick assembly and disassembly on site.
- Production of high-quality mud blocks.



End Product(s)	Developed prototype machine and conducted successful working trials
License/Commercialization	NA
TRL	7
Environmental Impact	Environment friendly and User safety
Setup - Equipment required	General fabrication workshop facility
Linkedin video link	<a href="https://www.linkedin.com/posts/csircbri_csir-india-pradeep-kumar-ramancharla-ravindra-activity-7302509194077683712-MezP">https://www.linkedin.com/posts/csircbri_csir-india-pradeep-kumar-ramancharla-ravindra-activity-7302509194077683712-MezP</a>
Youtube video link	<a href="https://www.youtube.com/watch?v=iyc8XPH6dr0">https://www.youtube.com/watch?v=iyc8XPH6dr0</a>

