



Modular Onion Storage Structure (Model-I)

Utility

The storage system is suitable to store rabi harvest of the onion during rainy season. It is foldable and modular in nature and made from light weight, corrosion and UV resistant FRP material. The storage unit is equipped with sensor based automated aeration and fumigation system. The structure has arrangement for easy filling and easy discharge system.



Specifications & Performance results		
Power source	:	0.75 kW, Electrical Power
Cost of equipment, Rs.	:	20,000/-
Labour requirement, man-h/t	:	1.23
Storage capacity, tonne	:	1
Cost of operation, Rs/t-month	:	1500

Benefits over conventional/traditional practices

- Lower storage losses
- Storage structure is rust proof & hence expected long life and durability.
- Maximum retention of quality
- Automatically controlled aeration system
- Labour saving in handling operations
- Better shelf life of store commodity

Design: ICAR-CIAE, Bhopal

Commercialization Status: Commercialized

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