

Modular Onion Storage Structure (Model-II)

Utility

A modular storage system suitable to store the onions during rainy season. The multiple units of the structure needs to be arranged in a array with single air blowing station for scaling-up the system up to any capacity. The unit is rectangular in shape and having two cages of the storage unit each having 1200 mm of height placed one above the other. The storage unit also equipment with standardized and optimized sensor based automated aeration and fumigation unit. The material used for the construction of the structure is rust proof, UV resistant FRP.



Specifications & Performance results		
Power source	:	0.75 kW, Electrical power for forced aeration
Cost, Rs.	:	30,900/-
Labour requirement, man-h/t	:	1.0
Storage capacity, tonne	:	3
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

Contact:

- M/s. G.V. Industries, Dhar, (Madhya Pradesh), Mr. Kalam Singh Tagore, Mobile: 9826469388, E-mail:gvindus32@gmail.com
- Director, ICAR-CIAE, Nabi Bagh, Berasia Road, Bhopal 462038, Tel: