

Sabjikothi (Base Model)

SABJIKOTHI is one of its kind affordable storage which maintains freshness and extends the shelf-life of fruits and vegetables anywhere around 3 to 20 days (depending on the produce stored) without using any chemicals, preservatives, or refrigerants. Sabjikothi only needs 20 watts of power and a few liters of water for its operation and can also be powered by solar energy.

Specifications

- Accommodates 150-200 kg of fruits and vegetables,
- Extends shelf-life up to 30 days.
- Chemical, preservative, and refrigerant-free preservation tech.
- Low power consumption (20W) and supports solar charging.
- Portable design for easy assembly and transportation.
- Mitigates 1276.8 kg of carbon emissions, and reduces wastage by 40%.



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 SaptKrishi Scientific Pvt. Ltd.
108D, SIIC Extension,
IIT Kanpur,
Kanpur,
UP, 208016

Sabjikothi (Advance)

Sabjikothi Advance Model improves fruit and vegetable storage. It has a transparent cover and 9 modes to create customised microclimates for different fruits and vegetables, extending their shelf life. It increases product visibility and attracts customers while offering all the benefits of the basic model.

The near-sterile microclimate kills pathogens, ensuring safe, healthy food.

Specifications

- All features of the Base Model, with additional enhancements.
- Transparent covering for easy visibility of stored produce.
- 9 modes for customized microclimates based on type of produce.
- Near sterile microclimate kills pathogens for safer consumption.
- Improved product visibility attracts customers.



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Cost: 18,290/ Incl. of all taxes
15,500/- + 18%GST

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Sabjikothi (Cart)

The Sabjikothi Cart is an affordable, wheel-mounted storage solution designed for street vendors to preserve the freshness and extend the shelf-life of fruits & vegetables. Developed under the National Vending Cart mission with support from DST, Ministry of Panchayati Raj, GOI, and Rutag, IIT Kanpur, The Sabjikothi Cart prevents weight loss, delays browning, & runs on solar energy.

Specifications

- All features of the Base Model, with additional enhancements.
- Transparent covering for easy visibility of stored produce.
- 9 modes for customized microclimates based on type of produce.
- Near sterile microclimate kills pathogens for safer consumption.
- Improved product visibility attracts customers.

Kit Items

- Sabjikothi Bag Sabjikothi
- Controller Device upvc 1/2'
- Three way elbow
- Battery connection Socket
- Solar panel attached



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Cost: 43,456/- Incl. of all taxes
38,800/- + 12%GST

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Sabjikothi (E-Cart)

The Sabjikothi E-Kart Model facilitates fresh produce transportation between villages and cities, maintaining their freshness. With a 350-400 kg capacity, it serves micro-entrepreneurs delivering to flats and societies. This solar-powered model has a range of 60-80 km, ensuring efficient and sustainable delivery while preserving the quality of fruits and vegetables.

Specifications

- Designed for inter-village and inter-city movement of produce.
- Fresh delivery solution for micro-entrepreneurs in flats and societies.
- Accommodates 350-400 kg of fruits and vegetables.
- Range of 60-80 km in single charge.
- Efficient and sustainable transportation option for fresh produce.

Kit Items

- Sabjikothi Bag Sabjikothi
- Controller Device upvc 1/2'
- Three way elbow
- Battery connection Socket
- Solar panel attached



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Cost: 2,24,000/- Incl. of all taxes
2,00,000/- + 12%GST

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Sabjikothi Jumbo

Sabjikothi Jumbo, a revolutionary agricultural storage solution, is purpose-built to cater to the diverse requirements of farmers engaged in the cultivation of various fruits and vegetables. Unlike conventional cold storage methods, Sabjikothi Jumbo not only boasts exceptional energy efficiency but also stands out for its remarkable affordability, making it accessible to a wide range of users.

Specifications

- Customized Microclimates: It optimizes climatic conditions.
- Energy Efficiency: Reducing operational costs for farmers
- Affordability: Accessible to a wide range of farmers.
- Reduced Post-Harvest Losses: Extending the shelf life.
- Quality Preservation: It prevents spoilage, maintains the shape and texture, reduces dehydration.

Community storage
for village level (2 tonn)



Community storage
for village level (1.5 tonn)



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Cost: varies /- Incl. of all taxes

3,00,000-6,00,000 (Depending
on the model)/- + 18%GST


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Solar Dryer

To preserve the pharmaceutical and nutraceutical components of fruits and vegetables, it harnesses the solar energy that is used to dry fruits, vegetables, and crops for preservation. Our dryer comes up with different modes to dry different types of fruits and vegetables.

Specifications

- Window Option-Yes
- Solar powered-Yes
- 9 modes for different fruits and veggies
- Charged by electricity-No

Kit Items

Our solar dryer preserves the pharmaceutical and nutraceutical components of fruits and vegetables because of respective modes for different fruits and vegetables.



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Cost: 56,000/- Incl. of all taxes
50,000/- + 12%GST

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