

Week-06-L-01

Value Engineering Agricultural Plan

Value Engineering Case Study

Case 1: Harvest Basket

Information Phase

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Case Study: Farming Basket

- Farmers employ diverse baskets tailored to specific agricultural tasks and crops.
- Common types include:
 - ✓ Harvest Baskets
 - ✓ Seedling Trays
 - ✓ Fruit Picking Baskets
 - ✓ Fishing Baskets : *Water drainage*



Source: www.wickedlocal.com



Source: rchiips.org

Case Study: Farming Basket

- Common types include:
 - ✓ **Vegetable Baskets** : *Air circulation*
 - ✓ **Egg Baskets** : *Prevent rolling; compartments*
 - ✓ **Livestock Feeding Baskets** : *Hold feed or fodder*
 - ✓ **Manure Baskets** : *Spreading compost/manure*
- Having a reliable farming basket is crucial for farmers, enhancing efficiency, reducing physical strain, and contributing to crop protection, organization, and sustainability.
- The choice of basket depends on the farm's specific needs and playing a vital role in daily farming tasks.

Information Phase

Harvest Basket Functions:

- ✓ **Collection:** Gathers freshly harvested crops.
- ✓ **Crop Protection:** Shields harvested crops from physical damage. *quality / marketability*
- ✓ **Organization:** Features compartments for effective sorting and grading.
- ✓ **Ventilation:** Designed with openings or mesh sides to ensure air circulation. *maintain freshness*



Information Phase

- ✓ **Ergonomics:** Designed with farmer-friendly ergonomics, including comfortable handles or straps to reduce physical strain.
- ✓ **Mobility:** Lightweight and portable for easy movement through fields or orchards.
- ✓ **Safe Handling:** Provides a secure and spill-resistant transport for harvested crops.
- ✓ **Versatility:** Offers various designs tailored to specific crops, such as grapes, apples, or vegetables. *Suitability enhancement*



Bill of Material

Sr. No	Part Name	Cost
1.	Frame	100 ✓
2.	Body	600 ✓
3.	Base	150 ✓
4.	Straps	250 ✓
	Total	1100

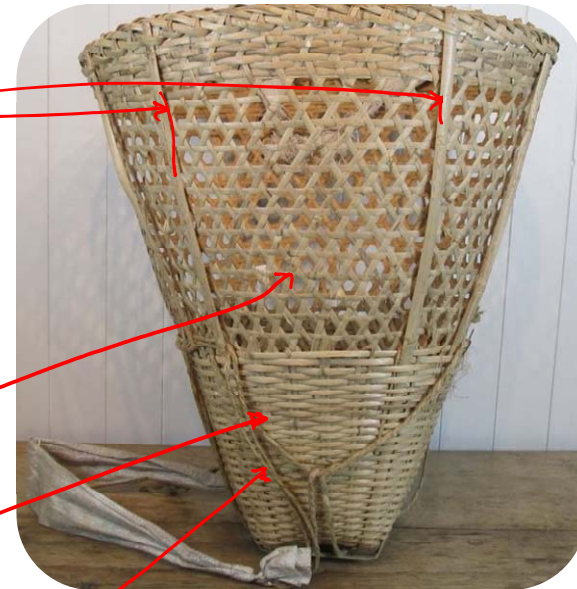
Rs. (INR)

Frame

Body

Base

Straps



Thank You

