



USAID
FROM THE AMERICAN PEOPLE



Honey Bee ..

Low-Cost Tiller

For many small farmers, since tractor is not an affordable option and the cost for rearing draft animals has increased, low cost technological alternatives are needed. Using the self-fabricated chassis, gear box, power transmission unit and 10 HP diesel engine, Mansukhbhai Jagani developed a tiller attached with a tool bar to fit various farm implements. It can do ploughing, sowing, weeding and spraying. It improves productivity and reduces operating costs for farmers. It consumes one litre diesel to plough about two acres and about 8 to 12 acres in 8 hrs (1 day) depending upon the operation and type of soil. The rear axle length can be adjusted as per crop spacing.





USAID
FROM THE AMERICAN PEOPLE



Honey Bee ..

MANUAL DIBBLER

Timely sowing of crops like cereals, corn, groundnut, castor, peas and other pulses is one of the most important regional needs of small farmers. This tiller can be used for weeding, spraying and laddering as well.

Delayed sowing might affect yield drastically. Traditionally, a hole is made in the land either by sitting or bending down. The seed is then placed and the hole is covered by soil. This process is very time consuming. The Honey Bee Frugal Dibbler by Mansukhbhai Jagani addresses this problem effectively and economically.





USAID
FROM THE AMERICAN PEOPLE



Honey Bee ..

This portable and easy to use machine CAN EXTRACT PULP, GEL, ESSENTIAL OILS, ESSENCE, JUICE and thus be used to prepare sauce, puree, soup, paste, gel etc.

Because of low shelf life and lack of value addition, a lot of fruits and other edible plant parts often get spoiled. Several food processing machines are available for specific operations (like pulverizing, mixing, steaming, extraction of juice/oil/gel), but there is no machine available which performs all these functions.

Dharmbir's machine is capable of pulverizing, steaming and extracting gels/juice for herbal applications. It is a viable option for income and employment generation. The machine is available in two models with processing capacity of 50 kg/hr and 150 kg/hr. It can process fruits, herbs, flowers, vegetables and many others products: Aloe Vera- Juice, Hair Gel, Face Wash, Shampoo, Hand Wash, Extract, Powder besides juice, jam, candy, and other products out of Mango, Amla (gooseberry), Rose, Lavender and other fruits and vegetables.



Multipurpose Fruit & Vegetable Processing Machine

