

## Purpose

- ❖ Domestic use in boiling and cooking food items

## Features

- ❖ Double walled boxes of galvanized steel and aluminium sheet, four aluminium/stainless steel boxes with lid, double top glass cover, reflector
- ❖ Baking, roasting and boiling food using solar energy
- ❖ Length to width ratio 3:1, No need of tracking
- ❖ Easily fabricated by village artisan
- ❖ Four dishes can be prepared simultaneously
- ❖ No adverse effect on health as smokeless boiling involved
- ❖ Saves conventional fuel and time
- ❖ Reduction in CO<sub>2</sub> emission

## Capacity and approx. cost per unit

- ❖ Cooking for 4-5 persons food per day
- ❖ Rs. 6000/-

## Energy saving/year (MJ): 2287

## Reduction in GHG emission

- ❖ 815 kg CO<sub>2</sub>e per year

## Economics

- ❖ **Benefit : cost ratio (BCR): 2.50**
- ❖ **Pay back period (PBP) (years): 1.80**

