

## Post-harvest Technologies (Paddy Thresher, Solar & Biomass Dryers)

### Product/Process Profile

A number of appropriate technologies on post-harvest processing of agricultural & minor forest products namely Paddy Thresher, Biomass & Solar dryers have been developed by IMMT for economic development of farmers.

### Application Area

- Post-harvest processing

### Advantage

- Drying of pulses, grains, spices, fruits, minor forest products etc. to safe moisture level
- Use of biomass/solar energy for drying the produces
- Efficient drying for safe storage
- Threshing of 2500 kg paddy per day
- Grain loss in crop residue is negligible
- Operated by electric/diesel engine and requires 375 watt power

### Major Raw Materials/Plant Equipments/ Machinery/Gadgets

- Using locally available materials

### Scale of Development

- Prototypes for live demonstration

### Validation Level

- Prototype demonstration in the field

### Commercialization Status

- Technology with lab.

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### Techno-economics

- Grain losses during threshing/open sun drying can be minimized
- Safe storage of the produce for a longer period with controlled drying with the attainment of 10-12% moisture level in the produces

### IP Status

- Know-how with the institute

### Technology Package

- Engineering drawings & demonstration of the technology

