



Solar Paddy Thresher

A Clean-Green-Economic Solution



- An ICAR certified technology
- Environment friendly, efficient and economic alternative to laborious manual paddy threshing
- A green and innovative solution with zero emissions
- Ergonomically designed to meet comfort and safety standards
- Say good by to expenses on electricity and diesel in paddy threshing
- Threshing in remote areas made easy

Specifications

Panel capacity	975 Wp
Motor capacity	Threshing drum: 500 W DC
	Winnower: 250 W DC
Drum speed range	450-750 RPM
Straw moisture range	18-28 %
Threshing efficiency	98.4-99.3 %
Cleaning efficiency	98.8-99.6 %
Machine Capacity	5.0-5.5 q/day

Salient Features

- Simultaneous threshing and winnowing
- Works without battery
- 6-7 hours of daily operation
- Drum/winnower speed controllers
- Suited for wide range of moisture content
- Straw remains intact for other uses
- Continuous shade over operator
- Folding panels for easy transport
- Low operation cost (<Rs 100/q)
- Low maintenance cost
- Portable and ergonomic
- No dependency on grid electricity
- Revenue generation through custom hiring



Open for licensing

We are now open to offer licensing of **Solar Paddy Thresher** to make the units available to the end-users.

Who can be our licensee?

Equipment manufacturers
Entrepreneurs
Registered Start-ups

About Us

Indian Council of Agricultural Research (ICAR) is a leading R&D organization of Ministry of Agriculture and Farmer's Welfare. We at ICAR-RCER are committed to devise sustainable solutions to farming in Eastern India.



हर कठग, हर डगर
किसानों का हमसाफर
भारतीय कृषि अनुसंधान परिषद

*Agri*search with a *human* touch



ICAR-Research Complex for Eastern Region

ICAR Parivar, P. O.: Bihar Veterinary College, Patna, Bihar – 800014

Phone: 0612-2223962; Email: director.icar-rcer@icar.gov.in