

# OPEN DRUM THRESHER – A BUSINESS MODEL FOR MARGINAL FARMER



www.rkbassam.in

- ❖ Involve marginal/women farmers in threshing operation by open drum thresher which is women friendly and cheaper than manual threshing.
- ❖ Threshing is easy as it makes three operations in one step such as threshing, winnowing and cleaning by holding paddy bundles.
- ❖ Open drum threshers reduce the drudgery of manual threshing often done by women and household labour. Losses and damage to grains are also reduced, giving farmers higher yield and better quality paddy.
- ❖ Threshed paddy can be directly bagged for immediate sale or for drying and sale at a later date.
- ❖ Open threshers reduce the cost of threshing giving farmers more money and options.
- ❖ The open drum thresher runs by diesel engine.
- ❖ The wheels provided in the open drum thresher help in easy movement of thresher from door to door and to field also.
- ❖ 2 to 3 farmers should hold the paddy bundles upon threshing cylinder and cylinder runs in clock wise direction and helps in removal of paddy from bundles.
- ❖ 1 farmer is engaged in transporting paddy bundles to thresher and collection of threshed paddy.



Farmers can also prepare a business plan to generate additional income by providing custom hiring services to fellow farmers. Farmers can be helped to invest in the open drum thresher by making best use of government policies like subsidies and promotion.

- ❖ Allows threshing of fresh paddy in field without extra handling and hauling losses.
- ❖ Portable - can be easily transported if wheels are installed.
- ❖ Allows recovery of full length straw.
- ❖ Uses diesel. No electricity required.
- ❖ Can be used for providing contract services to small farmers.
- ❖ Lower cost/bag compared to pedal thresher

## SPECIFICATIONS

Capacity	Approx. 0.4-0.5 tons / hour
Engine	4.5 HP Diesel Engine (consume 0.6-0.8 lt/hr)
Length and Diameter	4-5 feet and 2 feet
Maximum R.P.M.	550
Thresher efficiency	More than 95 %
Cleaning efficiency	More than 90 %
Breakage %	Less than 2 %