

## Mobile Groundnut Thresher cum Collector

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### Problem addressed:

Groundnut threshing is a time and labor intensive activity for farmers. Conventional threshers require lot of manpower for collection of harvested groundnut crop at one location and ultimately loss of yield. This problem led the innovator to develop a thresher which can thresh and collect the waste simultaneously.

### Product:

Broadly the machine consists of four chambers mounted on a frame made from C-Section MS beams welded together. The chambers are: the lifting and cutting chamber; sieving and blower chamber; groundnut storage chamber; and Stalk storage chamber. There is a hydraulic lifter attached to the stalk storage chamber for easily unloading of the stalks.



### Technical Specifications

**Mode of operation :** PTO of 35 Hp or more  
**Capacity :** 0.5 acre/h (approx 0.5 ton)  
**Power transmission :** V belt and pulley  
**Number of beaters :** 24  
**Capacity of groundnut storage chamber :** 6.23 m<sup>3</sup>  
**Capacity of stalk storage chamber :** 12.56m<sup>3</sup>  
**Diesel consumption :** 3.5 litres per hour  
**Total weight :** 4.5 ton (approx.)  
**Length of machine:** 7 m, width & height : 2 m

### Key Competitive Advantage

- The provision of storage chambers, and feeding mechanism suiting it for threshing while moving around the field.
- It can reduce time and labor requirement

### Time to deliver:

15 days after placing confirmed order and full payment

### Price:

Price: Rs. 5,25,000 (Ex-factory + packaging). The price does not includes transportation cost, taxes etc.

### Achievements:

Innovator has been awarded in the 7<sup>th</sup> National Award Function of NIF (2013).

### IPR Status:

Indian Patent Filed (3141/MUM/2012)

### BD website link:

<http://nif.org.in/innovation/mobile-groundnut-thresher-cum-collector/585collector>



## Mobile Groundnut Thresher cum Collector

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