

## Tractor Operated Bunch Field Crop Harvester

### Utility

In bunch field crops i.e. soybean, black gram, green gram, etc. pods formation take place near the ground surface and distributed in the plant branches which leads to higher shattering losses, during mechanical harvesting with the available harvesters. This tractor front mounted harvester (integrated harvesting-cum-conveying machine) can do timely harvesting of the bunch field crops with lesser harvesting losses by harvesting and conveying the bunches of crop to the rear mounted storage box.



Specifications & Performance results		
Power source	:	35 kW or above tractor
Cutterbar width, m	:	2.1
Weight of machine, kg	:	450
Storage box volume, m <sup>3</sup>	:	2.8
Forward speed, km/h	:	1.5
Output capacity, ha/h	:	0.24-0.25
Threshing efficiency, %	:	77
Harvesting losses, %	:	1.5-2.9
Cost of the machine, Rs.	:	1,20,000/-
Cost of operation, Rs/h	:	952/-

### Benefits over conventional/traditional practices

- The economic benefit and time saving is up to 49 and 60% respectively, in comparison to manual harvesting.

**Design:** ICAR-CIAE, Bhopal

**Commercialization Status:** Ready for commercialization

### Contact:

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