

Low-Cost Combine Harvester with Grain and Straw Separator

KVK Name: Siwan

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Age: 30

Gender: Male

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Farming Experience: 2

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**Brief about innovation:**

An innovative tractor-driven combine harvester that harvest crops, thresh grain, and converts residue into fine straw in one go. Made of MS steel and powered by a 60 HP tractor, the machine features an 11.7" cutter, 51" feeder head, and 56" thresher drum coupled with heavy duty chain drive. The machine has capacity of 8q grain tank and a discharge pipe for easy unloading into a trolley.

Specification/utility:

Compared to other machines this machine run at half the fuel cost and minimizes grain loss while harvesting dry crops like wheat, gram, lentil, and mustard with consumable size fodder. It leaves only 4 inches of stubble, reducing residue and preventing stubble burning. Capable of clearing one acre per hour, it's both efficient and eco-friendly. Easily operatable by any tractor and this innovation is a cost-effective and practical solution for farmers.

Photographs: