

## Consolation Award

### Pounded chilly sorter

**Nazeer Ahmad**  
Andhra Pradesh

Scout: Palle Srujana, Andhra Pradesh

Nazeer (50) runs a small chilli powder making unit at his home. In order to provide chilli of good quality, he and his wife used to sieve it manually. This is a cumbersome job resulting in burning sensation, sneezing caused by the pungent smell and pain in the hands. To overcome this drudgery, he developed the chilly sorter.

He thought of making a self sieving mechanism for which he needed a motor, which he could not afford. He pondered over for some time and came up with an idea of utilizing his existing machine to do so. For the welding and fabrication work, he took help of some mechanics. It took him four to five iterations to get the idea he had, translated into reality.

His machine is an extension of the mechanism of the already existing motor operated chilli pounder for giving oscillating motion to sieves from the camshaft. The pounded chilli is filled in the sorter in batches of 1.5-2 kg and can be sieved with the efficiency of 95-98% without much human intervention. Apart from reduction in drudgery, this machine reduces physical contact with the chilli and thus, the associate health risks like skin irritation, allergies, etc. Prior art discloses a few similar use only.

