



## CIAE Mini Dal Mill

### Utility

It is an electric motor operated equipment for dehusking and splitting of pigeon pea, black gram, green gram and lentil. The machine operated in integration with standardized pre-treatment process protocol and grain cleaner cum grader. The machine consists of carborundum rollers, feed hopper, concave and dal outlet. Whole pulse to be milled is first soaked in water (preconditioning), sun dried and later on fed into the mill to achieve complete milling in two passes.



Specifications & Performance results		
Power source	:	1.5 kW, three phase electric motor
Weight, kg	:	90
Cost of equipment, Rs.	:	19000/- without motor
Labour requirement, man-h/t	:	10
Output capacity, kg/h	:	100
Dal recovery, %	:	72
Broken grain, %	:	3-5
Cost of operation, Rs/t	:	170/-

### Benefits over conventional/traditional practices

- Increase in dal yield and improvement in dal quality.
- Reduction in drudgery.
- Increase in capacity.
- Potential rural employment generation.

**Design:** ICAR-CIAE, Bhopal

**Commercialization Status:** Commercialized

### Contact:

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