


## ICAR-Central Institute for Women in Agriculture, Bhubaneswar

Name of Innovation	Farmer's /Innovator's Name	Brief Description	Photographs
<b>Maize Dehusker-Sheller</b>	ICAR-CIWA	<p>Dehusking and shelling are important post-harvest activities in maize crop, predominantly done by women. These activities involve a lot of drudgery as these are done manually. In order to tide over the problem of drudgery and improve the work efficiency, a gender-friendly maize dehusker-sheller has been developed using ergonomic and mechanical considerations for dehusking and shelling. The machine can yield an output of 60 kg grain/h when operated by women workers at hand cranking speed of 52 rpm. It has dehusking-shelling efficiency of 98.8%. Reduction in drudgery with this equipment is 48.9, 38.7 and 21.62% as compared to dehusking and shelling with hand, with tubular maize sheller and by octagonal maize sheller, respectively. Reduction in physiological cost with this equipment as compared to hand is 38.95%.</p>	 <p>The photograph shows a manual maize dehusker-sheller machine. It is primarily blue with a yellow hopper at the top for grain. The machine is mounted on a blue metal frame with four wheels. A hand crank is visible on the left side, and a dark-colored discharge chute is at the bottom. It is positioned indoors on a tiled floor.</p>