



State Award – Odisha

Tamarind De-Seeder

Dayaram Vishram Chouhan
Jeypore, Odisha

Dayaram (66) is a machine fabricator by profession, who joined his father's business of making electric boards and railway planks in the year 1974 and re-named it as Hindustan Iron and Wood Industry. In the year 1979 due to change in government policies he started making low cost agricultural equipment, which were easy to manufacture. Dayaram has developed a multi-seed decorticator and cashew nut peeling device also. A local non-profit organization approached him for developing a machine to separate tamarind seeds from tamarind fruit.

The tamarind seed-separating machine consists of a seed separation unit with separate outlets for the seeds and deseeded

tamarind. In the separation unit, tamarind is subjected to rubbing force by two rollers, mounted on frame, to break open the fruit and to push the seeds out. It can be operated manually as well as by electric motor.

The tamarind de-seeder costs Rs. 28000 and weighs about 50 kg. The manual version and power operated version have productivity of 5-6 kg/h and 10 kg/h respectively. The deseeding efficiency is reported to be 71.49% (testing report of SLFMTTC, Bhubaneswar). Dayaram has sold over 200 units till date out of which 25 units have been procured by Swaminathan Foundation, Jeypore and 80 units by TRIFED Bhubaneswar.

