

Innovative Value Addition to Pig Bristles

Bristle processing

An in-house methodology for bristle processing has been developed to:

- remove dirt, epithelial scales and wax
- destroy microbes and parasitic eggs
- bleaching for softening and colour removal before dyeing.

Bristle Products

- The pig bristles are natural, more durable, stable, and flexible as compared to synthetic bristles thus different high quality end products can be made from the pig bristles.
- The pig bristles being flexible, structurally hard and densely packed in the brush/comb, ensures faster and better removal of dirt and dust even in deep or zigzag corners which synthetic bristles may not achieve.
- Cost of production also varies depending on the size (small size brush: INR 80, medium brush: INR 100 and large size brush: INR150).



Coat and jacket cleaning brush



Cloth washing brush



Shoe brush

Low cost portable Dummy sow with mating grunt voice system

Advantage of the invented dummy sow
Made up of low cost commonly available material and simple design
Simple and low cost height adjustment mechanism
Extra feature of mating grunt voice system for boar stimulation
Design suitable and comfortable to all types of pigs
It is easy to dismantle and transport hence portable model
Faster sexual arousal/ stimulation and obtained higher semen volume and spermatozoa/ ejaculate
Higher number of boar trained at faster rate

Cost of production

Particulars	Cost
Wood	INR 3000
Nut and bolt	INR 1500
Iron Frame	INR 500
Non-slippery mat	INR 1000
Voice sound system	INR 1500
Production/labor charges	INR 5000
Total	INR 12500



Side view of Low cost portable Dummy



Semen collection with Low cost portable Dummy sow