

Low Cost Value Added Soap

Technology overview:

The concept is to add value to soap; bathing bar and paper soap. Soap is usually manufactured by saponification of fatty acids of plant or animal origin. However, the current process is not cost effective and the market demand for non animal products is increasing. In addition, a large quantity of coconut oil and palm oil sludge is unused in the country. Therefore, this technology was developed to purify sludge oil to be used in soap making with regular fixed oils. The soap so prepared complies with SLS 34: 2009, SLS 554:1982 and SLS 1220: 2001. Further, the composite raw material can be used in herbal soap and vet care soap productions. On the other hand the composite is devoid of Tallow or Lard, which are derived from animals.

Potential application:

Herbal soap manufacturing, as the product has a non-animal origin at a low cost

Advantages:

- Low cost locally available raw material usage.
- Cost of investment including machinery is feasible for cottage industry.
- Non animal origin.
- Complies with standards.
- The product has some unique features that can compete with other products in the market.
- Product is validated by ITI hence easy to get regulatory approvals.

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