

## Improvement in Batasha Making Process

### Background

Batasha is a sweet dish prepared from sugar. Batasha is mainly used in festivals, worships and marriages in India. It was found that traditional batasha making process shown in Fig. 1 is tiring (due to squatting sitting posture of artisan) and unhygienic. Hence, needs improvement ergonomically. The setup is developed towards the ergonomic improvement in the traditional batasha making process. The developed setup for Batasha making process is shown in Fig. 2.

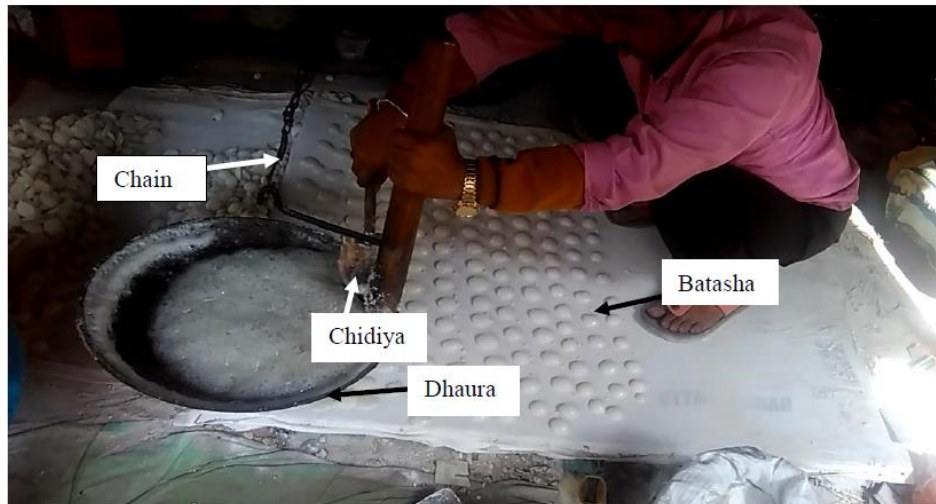


Fig. 1 Traditional Batasha making process



Fig. 2 Developed Setup for Batasha making process

## **Area of the Project**

Unorganized rural sector

## **Challenges in Traditional Batasha Making Process**

- Squat sitting for 5-8 hours poses health concerns.
- Muscles and joint pain on prolonged operation.
- Unhygienic process due to process conducted on floor.
- Weight handling 8-12 kg during lifting and tilting of dhaura.
- Safety concern due to handling of high temperature solution.

## **Salient Features and Advantages of Developed Setup**

- Adjustable and modular batasha making setup is introduced. One can make batasha while sitting on chair or on the ground level.
- The setup is a three rack system supported on a frame.
- The three racks are capable of moving independently.
- The setup aids in continuously making the batasha, no space crunch.
- The setup is completely adjustable. Therefore, a single setup can cater to multiple persons.

## **Project Timeline**

- Problem Identification: 2017.
- Improvements and manufacturing: 2017-2018.
- Dissemination: 2018 onwards.

## **Impact of the Technology**

- Reduced drudgery in its operation.
- Artisan can work for longer duration.

## **Success Stories**

- Positive feedback from artisans after testing at Dadri and Sikandrabad, U. P.

## **Current Funding**

Office of the Principal Scientific Adviser (PSA) to the Govt. of India.

## **Collaborations/ Field Agency**

- Lupin Human Welfare & Research Foundation, 160-Krishna Nagar, Bharatpur, Rajasthan, India. Pin - 321 001.

## **In Project Pipeline**

- Testing and technology dissemination.

## **Tentative Cost of Batasha making process is around Rs. 5000\***

\* This cost does not include GST, freight, installation and other levies.