



## INTERLOCKING BRICK MAKING MACHINE

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### INNOVATOR

Umesh Chandra Sarma | Assam

### PROBLEM ADDRESSED

The per day production of interlocking bricks by manually is limited and it also limits the supply of the same. This limitation inspired the innovator to develop machine for making interlocking bricks so that efficiency of production increases thus providing income generating and enterprise development opportunities.



## PRODUCT

The machine consists of chassis, brick forming mold and vibration unit. Raw material is poured into the molds and tightly packed into the molds through vibration. The brick making unit moves up through screw jack and presses the molded interlocking bricks.

## TECHNICAL DETAILS

- Overall dimension: 4 ft x 5 ft x 2.5 ft
- Weight: 600 kg
- The brick-making machine which can make 44 bricks at a time in cycle of 20 minutes.
- The interlocking brick produced has the same dimension as that of normal brick (2.5 inches x 4 inches x 9 inches).

## SALIENT FEATURES

- The machine can make interlocking bricks as well as normal bricks by changing the moulds.
- The machine does not require hydraulic press.
- Manual process was tedious and time consuming. This machine has reduced time.
- The machine is electricity operated and Cycle time is more.
- The machine is useful for making normal bricks along with inter-locking bricks by changing the moulds.
- The machine consumes less electricity as compared to other alternatives.
- As women are mostly employed in brick making sector this machine can generate more employment for women.

## AWARDS AND RECOGNITION

Innovator has won State Award in NIF's 8th National Biennial Award function for Grassroots Innovations & Traditional Knowledge, 2015.

