Brick wall construction has these under mentioned problems which is directly attributed to the conventional tools. These tools have remained without change for hundreds years. The basic errors are:-

 1. Brick walls with un even and protruding surface finishing. Also with concave/ convex surfaces which is main reason for abnormal plastering thickness. This error on the brick wall consumes three to four times cement mortar over and above the actual requirement.

 2. Un even mortar bonding between the bricks leading to variations in load bearing strength of the wall thus constructed.

 3. Quality and quantity of brick wall construction varies with individual mason which also affects the quality of the brick building when construction of the building is under taken by more than one mason.

4. Unable to do the construction of brick wall during dark hours with the present conventional tools which is very bad for a sector which is also 2nd highest employment provider.

5. Un ethical building practices like using cement mortar well beyond its useful life period and un even bonding practices.

6. Not preventing air pollution and not ensuring a clean environment

7. Criminal wastage of sand and cement.

As with any new innovation proving the tool is the need of the hour. My involvement with building technology has brought many unsolved problems still existing in the profession. M A funding will enable me to solve the other issues such as scaffolding, provision for after maintenance, provisions for legless furniture, provisions for mass evacuation from high rise buildings and providing provisions for vertical agriculture. My main focus will be to evolve this simple tool into an automated brick wall building robot.

My immediate action will be to organize site demonstration of this tool to the masons and to the engineers.

Free training classes in collaborations with various technical institutions