

# Low-cost Submersible pump protection techniques

## **KVK Name: Banka**

Name: Mr. Rupesh Kumar Choudhary Village: Amarpur

Age: 45

Gender: Male

Education: Graduation

Farming experience: 19

Mob No.: 9852661159

District: Banka, State: Bihar



## **Brief about innovation:**

To address the issue of submersible pump theft, Mr. Rupesh Kumar Chaudhary developed an affordable and effective “Jugaad Box” using thick iron sheets (5–6 mm). This two-compartment iron box (typically 18 x 18 x 24 inches) features a secret, theft-proof locking system. The lower compartment secures the submersible pump, while the upper section houses auxiliary equipment like the control system and main switch. Easy to lock and unlock with a key, the box is nearly impossible to break open without it.

Now popular in the Rajaun block of Banka district, over 250 farmers are using this innovation to protect their equipment. Though not yet officially recognized, Mr. Chaudhary hopes the design will be tested and refined by a reputed institution so small farmers nationwide can benefit.

## **Specification/utility:**

The “Jugaad Box” by Mr. Rupesh Kumar Chaudhary offers a practical, low-cost solution to protect submersible pumps and accessories from theft. Its strong iron build, dual compartments, and tamper-proof locking system ensure security and ease of use. Widely adopted by over 250 farmers, it is especially useful for small and marginal farmers seeking reliable pump protection.

## **Photographs:**



