

## Water lifting from borewell through rope

### **KVK Name: Purnea**

Name: Shashi Bhusan Singh, Village: Chandi

Age: 44

Gender: Male

Education Matric

Farming experience: 34

Mob.: 8083782919

District: Purnea, State: Bihar



### **Brief about innovation:**

A farmer cultivating vegetables and grains in Purnea remote Badya/Sareh fields, invented the low-cost “Panbharana Jugaad”—a simple 3-foot pipe fitted with a check valve and rope that lifts 5–7 liters of groundwater per pull. This device, costing just ₹250–300 and made from locally available scrap, saves farmers from carrying 150 liters over 1–2 km—cutting labor and time—and has been adopted by around 200 farmers in the region through KVK training and peer demonstrations

### **Specification/utility:**

A simple, inexpensive (₹250–300) rope-and-check-valve device using a 3-ft pipe that allows farmers to draw 5–7 liters of groundwater per pull from bore wells, eliminating the need to carry 150 L over 1–2 km, saving half a day's labor per acre. This device is now adopted by about 200 local farmers and continues to spread through KVK training and community outreach

### **Photographs:**

