

How Smart Tech Saved Rameshbhai's Groundnut Crop & Boosted Profit by ₹4,350/Bigha

A transformation story of a progressive farmer from Dolatpar village using Solar Light Traps.

FARMER NAME
Rameshbhai Desai

LOCATION
Dolatpar, Rajkot

LAND HOLDING
10 Bigha



Rameshbhai Desai standing alongside the installed Smart Radar Solar Light Trap in his farm.

1. The Challenge: Recurring Crop Loss

Rameshbhai traditionally cultivated groundnut every monsoon. However, severe wildlife intrusions (Nilgai / Blue Bulls & Wild Boars) and destructive insect pests continually damaged his crop, capping yield at just **600 kg per Bigha**.

2. The Smart Solution: Solar Light Trap

In 2025, in partnership with **SSKK Organization**, Rameshbhai adopted a cost-effective **Smart Radar Solar Light Trap** (Market Price: ₹4,200) with a subsidized contribution of ₹1,600.

- **Wildlife Deterrent:** Repelled Nilgai and wild boars away from entering the farm.
- **Biological Pest Control:** Trapped and neutralized harmful crop-damaging moths and insects.

3. The Impact: Measurable Yield & Profit Growth

+60 kg/Bigha

Yield Increased (600 kg → 660 kg)

+₹4,350/Bigha

Extra Net Profit Earned

"Smart, affordable innovation has not only protected my hard-earned yield but given my family sustainable financial security."

— Rameshbhai Desai, Progressive Farmer