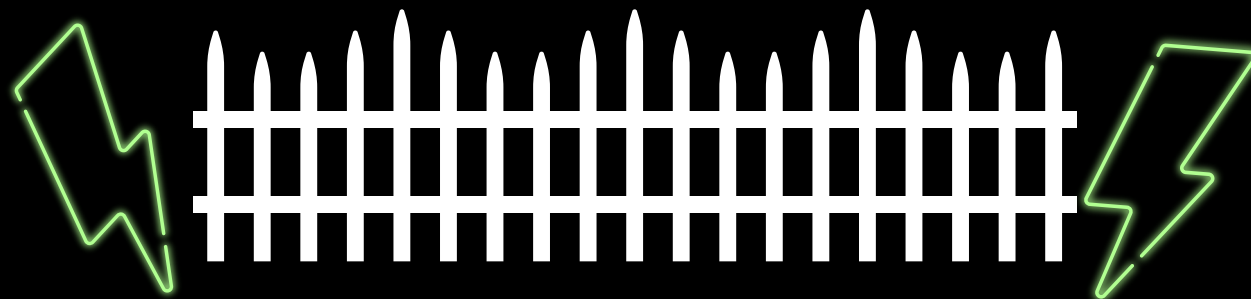


SOLAR FENCING : Protecting crops & Wild Animals



On conducting our monthly FIG meeting, Farmers from 3 villages that are surrounded by Ban Santor jungle came forward to report that 40-50% of their crops were destroyed by wild animals such as Neelgai & Wild Pig prevalent in the area, resulting in a loss of 18 lacs in 74 acres of cultivated land, in addition to livelihood and employment losses. In addition, the animals were also at risk of being harmed by the angry farmers.



An initiative by :
HDFC BANK



**Total area covered
: 11 Acres in 3
villages
Total Area
protected : 74
Acres
Beneficiaries
Impacted : 30**

**Installation work
in progress on
site - cemented
poles with 3
layers of wires
installed at the
field - jungle
boundary**



Latitude: 30.357572
Longitude: 77.401993
Elevation: 315.46 m
Accuracy: 4.3 m
Time: 00:00:00.000000

Specifications

A solar plate charges a 40 Amperes, 12 volts battery pack. A energizer unit converts the low voltage to high voltage non lethal electrical pulses that pass through the triple layer wires every 1-1.5 seconds, keeping the animals away.



A Success Story



Harmeet Singh Village Manakpur

Motivated by and on seeing the positive results of solar fencing on his one acre of land, this farmer installed solar fence for additional 4 acres, protecting 5 acres of his land. He has successfully increased his yield by upto 30 to 40%, leading to a profit of 1 Lakhs/yr on his 5 acre agricultural field.



Outcome

The solar fence has achieved 100% success. 74 acres of 30 farmers protected. The total yield from these fields has increased by 60%. The income per acre/year has increased from 47000 to 80000, an increase of approx. 70%. Wild animals are safe in their own natural habitats & farmers' morale is high on seeing their hard work come to fruition in the form of higher yields

