

Value Proposition of Agriculture & Allied Activities through Sustainable Solar Interventions

August 2019 - October 2020

Kamrup district, Assam & Ri bhoi district, Meghalaya

ABOUT THE PROJECT

The project deployed need-based renewable (solar) energy solutions to enhance rural livelihoods in Ri-Bhoi (Meghalaya) and Kamrup (Assam). It targeted 1,020 direct and indirect beneficiaries, aimed at raising incomes for 390 farmers/poultry farmers up to ₹1.5 lakh, and built 6 farm-based enterprises with mainstream financial linkages — while documenting replicable models for scale-up.

1,020

Target beneficiaries
(direct + indirect)

195 HHs

Households directly
reached to date

10+

Villages across 2 states, 2
districts

₹63.3 L

Grant investment
leveraged into solutions

₹5.9 L

Community / local
contribution mobilised

INTERVENTIONS & OUTCOMES

Intervention	Location	Reach	Key Outcome
Solar-based value addition to Pineapple	Nongkhrah, Ri-Bhoi (Meghalaya)	110 HHs	Farmers organised into an FPO — La-I-Jong FPC Ltd. — with a solar-powered
Indigenous poultry breeds & hatchery promotion	5 villages, Kamrup (Assam)	5 entrepreneurs	5 hatcheries commissioned; 5 entrepreneurs trained and now running
Solar irrigation — community approach	Sapartari, Kamrup (Assam)	25 HHs	Community solar irrigation system commissioned and formally
Solar irrigation — homestead (individual approach)	5 villages, Kamrup (Assam)	55 HHs	11 solar pump units installed and operational, covering 55 households;



WHAT CHANGED ON THE GROUND

- From unorganised farmers to institutions:** 2 Farmer Producer Organisations formed (La-I-Jong FPC Ltd. and Sapartari Kalahi Samabay Samiti), giving communities collective bargaining and market access.
- From diesel/manual to solar:** Irrigation and processing shifted to solar power across all 4 interventions, cutting recurring input costs for households.
- From subsistence to enterprise:** 5 first-generation poultry entrepreneurs trained end-to-end (hatchery operation, incubator handling) and now running independent farms.
- Resilience:** Implementation recovered lost ground from COVID-19 lockdowns (since Mar 2020), completing key installations and 8 capacity-building programs (against a target of 4)