

Pilot rooftop solar panels: 61 rooftop solar PV systems with back-up battery and inverter were installed by DCSs to reduce dependence on the grid-connectivity which promoted the adoption of clean alternative sources.

Pilot flexi biogas plants: 1,000 flexi biogas plants were provided to 32 milk unions which generated additional income for producers using biogas as a clean cooking fuel and bio-digested slurry both as a fertiliser and for sale. Indicative results inter-alia showed the intervention helped reduce GHG emissions by 817 metric tons (CO₂ equivalent), by replacing LPG use.



Community biogas plant : A community biogas plant is sanctioned in Khairkhunt village of Chhattisgarh for creating a DCS-based ownership model. The project has been successfully completed and the Biogas Plant of 100 Cubic meter capacity has been installed by Chhattisgarh Cooperative Dairy Federation Ltd. The plant presently supplies gas to 130 families at ₹210 per family/month.



Pilot moringa fodder cultivation: Moringa has potential to perennially produce enormous biomass, rich in nutrients - protein, minerals & vitamins for our dairy animals. To maximise fodder yield in select varieties of Moringa which would help in identifying the right variety and spacing that could be standardised for cultivation. Trials are being carried out by the Mysore milk union and the data is regularly analysed by experts.

Milk fortification: The pilot explored the potential for large-scale milk fortification in India through micro-nutrient fortification in the liquid milk supply chain, consumer advocacy, and enabling scale-up and institutionalisation. From 2017-2019, the pilot reached 25 milk federations, DPCs and milk unions across 20 states, starting with Vitamin A and D fortification of 13,000 litres/day and reaching 5.5 million litres of milk per day by 2019, providing access to around 6 million consumers.

