

Manure management initiative

NDDB lunched manure management initiative as a pilot project in Mujkuva village of Anand district. Since February 2018, total 38 biogas plants of 2 cubic meter capacity have been installed at dairy farmers' (homes members of village level DCSs).

Cost of one biogas unit is ₹24,000 (farmer pays ₹14,000 & remaining amount is provided as subsidy by the supplier). Farmers were using dung cake, wood or LPG as cooking fuel prior to installation of biogas. Each family was spending around ₹25,661 on cooking fuel annually. Apart from this, digested bio-slurry of these biogas plants is used as organic fertiliser in farms. Considering the positive response from farmers, this initiative is scaled up nationally under National Dairy Plan I wherein 1000 biogas plants are being provided to dairy farmers at 50% subsidy across the country.



Hemaben Nareshbhai Padhiyar, a woman dairy farmer of Mujkuva village belongs to a joint family having 4 acres of agricultural land and 12 cattle. Before adopting biogas, her family used 40-50 Kg wood, 15 Kg cow dung and LPG as fuel every day. Biogas has made life easy. Her family is now saving about ₹190/day.

Hemaben also uses the slurry in her tomato farm as fertiliser. Due to use of slurry, tomato production increased by about 4 tonnes compared to last year.

Technical workshop on manure management

NDDB organised a two-day technical workshop on Manure Management Initiative under National Dairy Plan I on 28th May at NDDB, Anand. Around 101 officials from dairy cooperatives across 18 states participated in the workshop.

The participants were exposed to technical aspects of biogas technology, live installations and presently operational plants. They also learned about establishing bio slurry procurement, processing and production of manure based micro nutrient rich products, to be used in agriculture, as organic alternatives to chemical inputs.

Under NDP 1, flexi biogas plants are

being installed in 18 clusters, wherein manure value chain model will be piloted through women's collective.

