

## Tata Power and NDDDB Partner to Solarize Dairy Sector and Promote Sustainability



TP Renewable Microgrid Ltd (TPRMG), a Tata Power subsidiary, has partnered with the National Dairy Development Board (NDDDB) to promote renewable energy in the dairy sector. This collaboration aims to solarize dairy cooperative societies, bulk milk coolers, and milk chilling centers using solar microgrid technology, enhancing sustainability and efficiency. NDDDB Chairman Meenesh Shah highlighted that renewable energy integration will boost operational efficiency and promote green fuels for a more sustainable dairy sector.

A notable initiative is transforming Mujkuva village in Gujarat's Anand district into a carbon-neutral village. The partnership will also integrate dung-based biogas power generators into microgrids, advancing sustainable energy practices. Additional measures include energy-efficient stoves, solar dryers, cold storage solutions, and energy audits to enhance efficiency.

This strategic partnership aims to set a benchmark in the dairy industry by integrating green energy solutions, reducing energy costs, and promoting sustainability,

## MP Dairy Fed Proposes Surplus Milk Powder for Midday Meals in Schools



The Madhya Pradesh State Cooperative Dairy Federation (MPCDF) is addressing its surplus of around 3 lakh liters of unsold milk daily by converting it into butter and skimmed milk powder.

Facing low market prices, these byproducts are accumulating as stocks. MPCDF has proposed that the state government purchase flavored milk powder from the federation to supply schools and anganwadis. A senior MPCDF official stated that this initiative would help clear surplus stocks while enhancing the nutritional value of school meals. Unlike loose milk, flavored milk powder can be easily transported to remote areas, solving infrastructure challenges.

MPCDF collects approximately 10.5 lakh liters of milk daily from farmers' cooperatives, selling 7 lakh liters as packaged milk. Additionally, the federation has requested state funds to revive the financially struggling Jabalpur and Gwalior milk unions and upgrade their plants. These efforts aim to strengthen cooperatives and milk unions across the state, with a focus on overcoming liquidity and operational issues in Jabalpur and Gwalior.

## Suzuki Signs MoU with Banas Dairy and NDDDB to Establish Biogas Plant in Gujarat



Suzuki Motor Corporation has signed a three-year MoU with its subsidiary Suzuki R&D Center India Private Limited, the National Dairy Development Board (NDDDB), and Banas Dairy to set up a fifth biogas production plant in Banaskantha, Gujarat.

The agreement aims to promote rural mobility using biogas for Maruti Suzuki's CNG vehicles, enhancing clean and affordable transportation in the district. The MoU ceremony, held at Banas Dairy Sanadar Plant, saw the presence of Banas Dairy Chairman Shankar Chaudhary, NDDDB Executive Director S Rajeev, and Suzuki President Toshihiro Suzuki, along with 2,500 dairy farmers.

Additionally, Suzuki introduced 'Bhoomi Amrut' and 'Power Plus,' a nutrient-rich liquid organic manure, during a farmers' conclave. This initiative supports carbon neutrality and waste management while providing eco-friendly alternatives to chemical fertilizers. The biogas plant will produce renewable energy, contributing to a circular economy and a sustainable future.



## Nestlé Revolutionizes Nutrition by Reducing Fat Without Compromising Taste

Nestlé is pioneering science-based solutions to improve the nutritional value, affordability, and sustainability of its products. By reducing added sugars, sodium, and saturated fat, the company ensures that its products retain the taste and texture consumers love.



A breakthrough by Nestlé's R&D teams has led to a 60% reduction in fat content in milk powder without compromising on quality, taste, or creamy texture. This innovation uses controlled aggregation of milk proteins to mimic the size and texture of milk fat, resulting in lower calorie levels compared to full-fat milk. Isabelle Bureau-Franz, Head of R&D for Nestlé's Nutrition Business, explains, "Leveraging our expertise in nutrition science and product development, we have successfully introduced this proprietary technology in Ninho Adulto in Brazil, significantly reducing the level of milk fat in the product. Our new milk maintains creaminess and mouthfeel, and is preferred by consumers."

Laurent Alsteens, Global Category Head in Nestlé's Nutrition Strategic Business Unit, adds, "This innovation revolutionizes the way our consumers enjoy dairy products, enhancing their experience. It marks a significant milestone in our approach to offer healthier options without compromising taste. Ninho is immensely popular in Brazil, and our continuous innovation ensures we meet evolving customer expectations. I'm thrilled that we're rolling out this technology globally across our Nido portfolio, which will drive demand for this product offering."

## Gokul Dairy Establishes Maharashtra's First Ayurvedic Medicine Plant for Livestock



Kolhapur Jilha Dudh Utpadak Sangh, commonly known as Gokul Dairy, has inaugurated a pioneering plant in Gadmudshingi village near Kolhapur city, dedicated to manufacturing ayurvedic formulations for treating diseases in milch animals, such as cows and buffaloes.

This plant is the first of its kind in Maharashtra, with only two similar facilities currently operational in Gujarat. The construction of the plant received partial funding from the National Dairy Development Board, with the remaining expenses covered by Gokul Dairy. The total investment for setting up the plant amounted to Rs 1.26 crore. Arun Dongale, Chairman of Gokul Dairy, highlighted the significance of this development, stating, "We have treated nearly 44,000 cows and buffaloes using ayurvedic formulations. Now, with our own plant, we are poised to enhance our treatment capabilities further."

The plant is set to begin operations marking a significant step forward in the integration of traditional medicine with modern livestock care. This initiative underscores Gokul Dairy's commitment to promoting sustainable and holistic healthcare practices for livestock, benefiting farmers and the dairy industry in Maharashtra.

## Farmer-Scientist Meet Boosts Livestock and Fisheries in West Bengal

The Biotech KISAN-HUB project at West Bengal University of Animal and Fisheries Sciences, Kolkata, organized a farmer-scientist interaction and animal support program on July 22nd at VCI Auditorium, Kolkata. The initiative, funded by the Department of Biotechnology,



Government of India, targeted marginal farmers from Birbhum, Nadia, Murshidabad, Malda, and South Dinajpur districts. The event, inaugurated by Swapan Debnath, Minister-in-Charge of Animal Resources Development, and attended by Chandranath Sinha, Minister-in-Charge of Small and Medium Textile Industries, featured prominent guests including Hema Tripathi from Sher-e Kashmir University of Agriculture Sciences and Technology, Jammu, and Shyam Sundar Dana, Vice-Chancellor of the host university.

The first part of the program included the distribution of Bengal black goats, Vanraja chicks, and Indian major carps to selected farmers. The second part featured speeches from dignitaries and the unveiling of farm journals and booklets. Swapan Debnath emphasized the significant role of animal husbandry in employment generation, while Chandranath Sinha highlighted initiatives to empower women through self-help groups.

Keshab Chandra Dhara, the project's principal investigator, stressed the importance of integrating goat rearing, fish farming, and poultry farming to enhance livelihoods.

## Advanced Techniques to Boost Livelihoods in Animal Husbandry



The Ministry of Fisheries, Animal Husbandry & Dairying is implementing schemes to help farmers across India adopt advanced animal husbandry and dairy farming techniques to enhance their livelihoods.

The Rastriya Gokul Mission focuses on farmer awareness through fertility camps, milk yield competitions, and training programs, introducing technologies like Artificial Insemination (AI) with sex-sorted semen, Bovine In-Vitro Fertilization (IVF), and genomic selection.

The National Livestock Mission encourages innovation through seminars, workshops, training, and extension activities, particularly AI for sheep, goats, and pigs. The National Programme for Dairy Development aims to build infrastructure for dairy cooperatives in milk procurement, processing, and marketing. The Support to State Dairy Cooperative Societies and Farmers Producers Organizations offers interest subvention on working capital loans to incentivize dairy cooperatives and farmers.

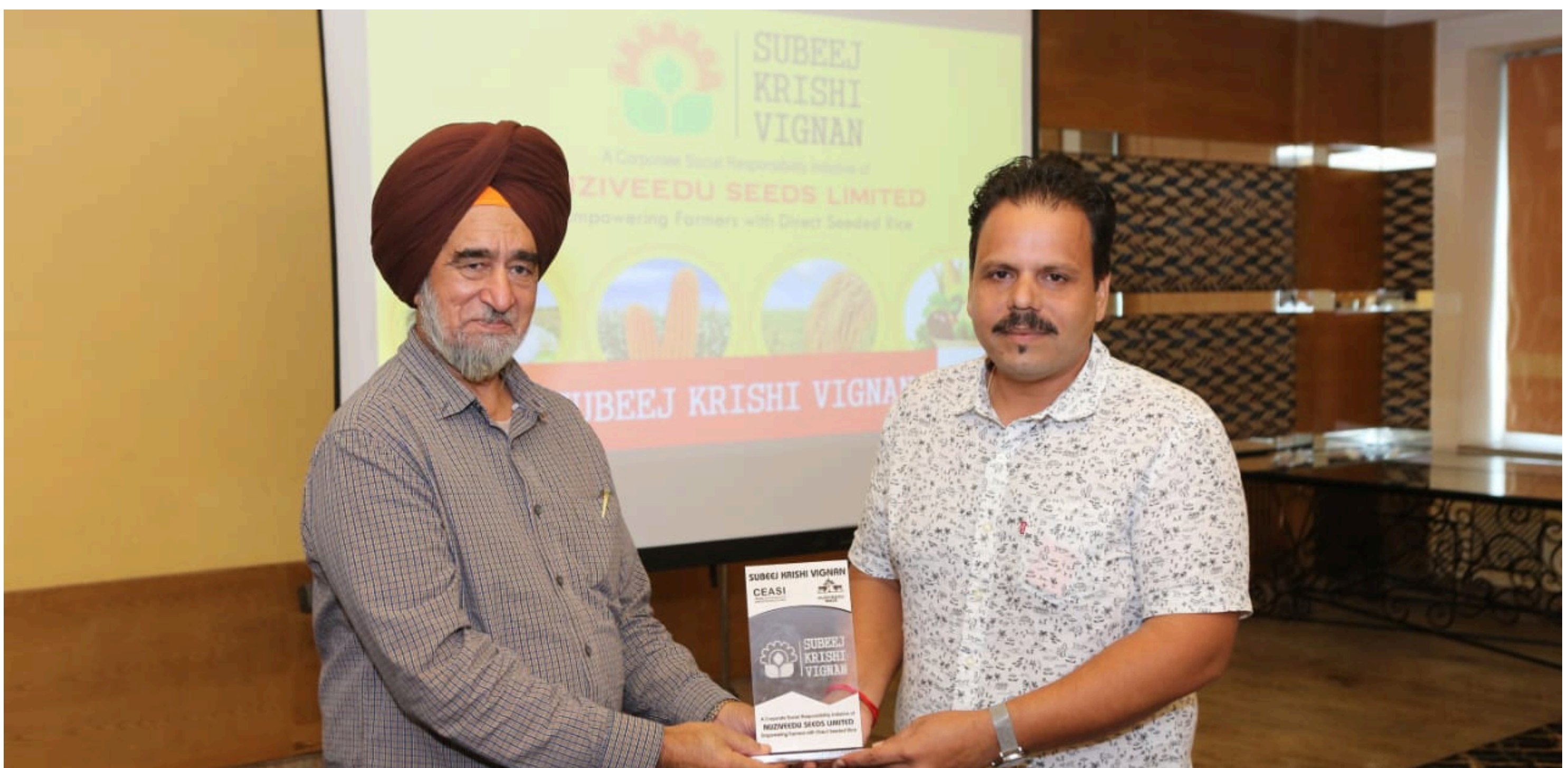
The Livestock Health and Disease Control Programme assists in controlling diseases like Foot and Mouth Disease and Brucellosis, with mobile veterinary units providing services to farmers.



## Knowledge Section

### Sowing Seeds of Change: CEASI Workshop Champions Direct Seeded Rice for Sustainable Farming in Karnal, Haryana

Centres of Excellence for Agriculture Skills in India (CEASI) hosted a workshop in Karnal, Haryana, advocating Direct Seeded Rice (DSR) for sustainable farming. Agricultural experts highlighted DSR's environmental and economic benefits, with Dr. Suresh Gehlawat noting its potential to cut methane emissions significantly. Dr. Rajbir Garg emphasized DSR's cost and time savings for farmers, while Dr. Ankur Chaudhary stressed timely herbicide application. Supported by Nuziveedu Seeds, known for its farmer-centric CSR initiatives, the workshop reinforced CEASI's commitment to enhancing agricultural sustainability and skills. This initiative aligns with India's goals for sustainable agricultural development and environmental conservation.





## Who are we

The **Centre of Excellence for Dairy Skills in India (CEDSI)** is working under “**Centre of Excellence for Agriculture Skills in India (CEASI)**” is an autonomous organization working under the aegis of “**Agriculture Skill Council of India (ASCI)**”, which is working under **Ministry of Skill Development & Entrepreneurship (MSDE)** for skilling and capacity building of farmers, wage workers, self-employed professionals, extension workers etc. engaged in organized and unorganized segments of Agriculture & Allied sectors.

CEASI is an apex organization of Centres of Excellence in various sub-sectors of agriculture viz.

- Centre of Excellence for Dairy Skills in India(CEDSI)
- Centre of Excellence for Horticulture Skills in India(CEHSI)
- Centre of Excellence for Farm Mechanization Skills in India(CEFMI)


CEDSI Membership will provide a unique platform for the industry leaders, policymakers, development practitioners, dairy scientists, researchers, students, and farmers to debate and discuss the issues of imminent importance to the dairy industry.





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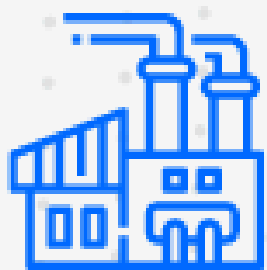


# Centre of Excellence for Dairy Skills in India

## Join Our Membership Drive and Get Benefits of

- ✓ Platform to interact with other members in the sector
- ✓ Networking opportunities with corporate leaders and government authorities
- ✓ Special costs of training in Skill India Certified Programmes
- ✓ Access to our Journal and Publications
- ✓ Expert advice in day-to-day operations and management of livestock /farm productions
- ✓ Free registration on the job portal and regular updates on job vacancies in the sector
- ✓ Recognize your organization with CEDSI Yearly Awards and Recognition
- ✓ Chance to reach across the board through advertising in our press releases, news and articles
- ✓ Consultative and advisory services to help members
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- ✓ Periodic e-newsletter for the latest news, govt. announcement and schemes in dairy sectors
- ✓ Updates on training programs of CEDSI and access to the training calendar

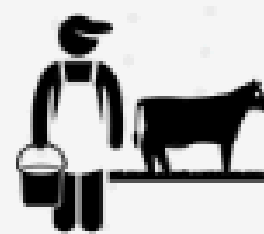
### Who Can Become a Member -



Corporates/  
Cooperatives



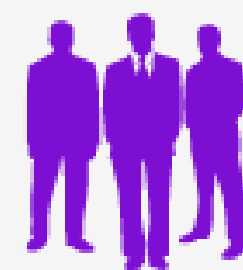
NGO's/CSR  
Foundations



Dairy Farmers



Students



Professional

[www.cedsi.in](http://www.cedsi.in)

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# CEDSI : Reviving Skills and Generating Livelihood

## Skill Training Programme for Farmers/ Students/ Entrepreneurs

- Dairy Farmer/ Entrepreneur
- Dairy Farm Supervisor
- Dairy Worker
- Animal Health Worker
- Artificial Insemination Technician
- Veterinary Field Assistant
- Veterinary Clinical Assistant
- Calf Rearing
- Farm Equipment Technician
- Dairy farm Economics and Management
- Industry Aligned Certification Programs (Unemployed Youth and Students)

## FPO Oriented Training Programs

- FPO Member Orientation on Product Technology and Processes.
- FPO Market Linkage
- FPO Governance
- FPO Accounting

## Flagship Skill Training Programme for Dairy Corporates and Cooperatives

- Chilling Plant Technician
- Bulk Milk Cooler Operator
- Village Level Milk Collection Centre Supervisor
- Milk Tester
- Green-house Gases Mitigation
- Milk Quality Assurance
- Milk Delivery Boy
- Milk Procurement & Input Supervisor
- Waste Management In Dairy Industry
- Feed And Fodder Management
- Clean Milk Production
- Decision Support System/ Data Analytics