

# CEDSI TIMES

*Your Skilling Partner...*

## Tamil Nadu Allocates Rs 30 Crore for Upgrading Milk Dairies



The Tamil Nadu government has allocated Rs 30 crore for the installation of automatic milk packing machines in six Aavin dairy plants across the state. This initiative aims to reduce milk packing time, minimizing delays in delivering milk to consumers.

The funds, sourced from the (NABARD) – Rural Infrastructure Development Fund (RIDF) XXIX scheme, will upgrade Aavin dairy plants in Sholinganallur, Madhavaram, and Ambattur in Chennai, along with plants operated by District Co-operative Milk Producers' Unions in Coimbatore, Tiruchy, and Madurai. An official from the milk and dairy development department highlighted the benefits, stating that automated packaging systems will reduce human intervention and streamline the packing process. The tendering process for this project will begin shortly.

## The temperature increase will affect milk production in the Kerala: experts



The increasing atmospheric temperatures in Kerala are negatively impacting milk production and productivity, with a potential 5-10% reduction for every one-degree Celsius increase. This situation has led to a 30% decrease in milk production compared.

to the pre-summer period, affecting the sector's sustainability, especially given its significant involvement of over 70% women. Climate change, along with factors like land pressure and water scarcity, further exacerbates the challenges. To counteract these effects, Doctors suggest implementing scientific summer management practices, including proper water supply, ventilation, and clean milk production.

The Malabar Union and the Department of Dairy Development, Government of Kerala, are exploring measures to support dairy farmers, such as extending the duration between milking times and offering additional incentives.

## Mother Dairy to invest Rs 750 cr to set up 2 dairy processing plants



Mother Dairy, a major milk supplier in Delhi-NCR, plans to invest Rs 750 crore to expand its dairy and fruits & vegetables (F&V) processing capacities. The investment includes setting up two new plants and expanding existing facilities. A large dairy plant in Nagpur, Maharashtra.

costing around Rs 525 crore, will have a processing capacity of 600,000 to one million litres of milk per day, targeting central and southern markets. Additionally, a new fruit processing plant in Karnataka, with an investment exceeding Rs 125 crore, will operate under the Safal brand.

These investments are part of Mother Dairy's strategy to enhance distribution and meet rising consumer demand. The company aims to complete the new plants within two years and expects a moderate growth rate of 7-8% in the 2023-24 fiscal year, despite challenges faced in the previous year.

## Kerala Plans to Register 'Thenmala Kullan' as an Indigenous Breed for Conservation

The Kerala Animal Husbandry department is initiating efforts to register the 'Thenmala Kullan' dwarf cow as an indigenous breed. These cows, known for their small hump and reared by tribespeople in Arippa and Thenmala, thrive on forest-based fodder. The department aims to conserve this breed, currently in its initial phase, by conducting studies with Kerala Veterinary and Animal Sciences University (KVASU).



Minister J. Chinchurani highlighted the project, noting Kerala's existing native breeds like Vechur and Kasaragod dwarf. The cows, primarily reared for calves and manure despite producing nutrient-rich A2 milk in low quantities, have adapted well to local conditions.

Identified from colonies like Kocharippa and Edappana, the cows exhibit strong build and high immunity, preferring the company of their handlers over outsiders.

The registration process involves detailed evaluation of phenotypic and genotypic traits by the National Bureau of Animal Genetic Resources (NBAGR), including analysis of thermal tolerance and immunity through DNA isolation.

## Affordable Cooling System Developed by Indian Researchers to Enhance Cattle Comfort and Milk Yield



Researchers at Vallabh Vidyanagar's Community Science Centre (CSC), affiliated with Sardar Patel University (SPU), have created a cost-effective cooling system for livestock, registered as a design patent by the Government of India.

This timer-based system aims to provide relief to cattle from summer heat, preventing heat strokes and respiratory problems, and improving milk yield and fat content. Traditionally, summer is a lean season in the dairy industry. Unlike expensive conventional cooling systems, this indigenous solution costs only Rs 5,000 to Rs 10,000 and is suitable for small dairy farmers with herd sizes ranging from one to 12 animals.

CSC director Vibha Vaishnav, along with science communicator Chandni Marwadi and project officer Sonal Solanki, developed the system to offer a scientific solution to the challenges faced by cattle rearers.

Vaishnav emphasized the need for a solution to provide comfort to cattle during increasingly hot summers due to global warming. While large farms rely on costly sprinkler systems, the CSC's system is designed for small-scale dairy farmers with around 10-12 cattle or fewer. This digital system is significantly cheaper, four to five times less expensive than traditional sprinkler systems installed on large farms.

Previously, small dairy farmers kept their cattle cool using wet gunny bags or bathing them once a day. The new system represents a significant advancement in cost-effective and efficient cattle cooling methods, benefiting small-scale cattle rearers across the country.



## Amul Launches Fresh Milk Range in the US, Expanding its Global Footprint

Amul, known as 'The Taste of India,' has made its mark in the US market by launching its fresh milk range, marking the first time the brand has introduced this product outside India. The move comes after Prime Minister Narendra Modi's call for Amul to become the world's largest dairy.



The launch is a result of a partnership between Gujarat Co-operative Milk Marketing Federation (GCMMF) and Michigan Milk Producers Association (MMPA), the tenth-largest dairy cooperative in the US. The collaboration, announced at MMPA's 108th annual meeting in Novi, Michigan, signifies Amul's commitment to expanding its global presence.

The range, including popular variants like Amul Gold, Amul Shakti, Amul Taaza, and Amul Slim n Trim, will be available in one-gallon and half-gallon packs at leading Indian grocery stores across the East Coast and Midwest markets of the US. This strategic move aims to cater to the growing demand for quality dairy products among the Indian diaspora in the US. Amul plans to introduce additional dairy products such as curd, buttermilk, and paneer in the US market, further strengthening its position as a global dairy leader.

## India's Dairy Sector Strives for Sustainability Amidst Methane Concerns



India's dairy industry, the world's largest, faces a dual challenge: meeting the needs of 80 million farmers while mitigating methane emissions from its 303 million bovine cattle. Despite government efforts, methane reduction focuses more on renewable energy than livestock. Yet, with livestock contributing 48% of India's methane emissions, urgent action is needed.

The National Dairy Development Board is pioneering livestock nutrition improvements through genetic programs, aiming to boost productivity and reduce herd sizes. Other strategies, like using crop residues as feed and promoting low-emission cattle breeds, are gaining traction.

However, obstacles persist, such as the scarcity of quality feed and financial constraints. Veterinarians advocate for government support to make nutritious feed more accessible. It's crucial that any emission-reduction measures prioritize farmers' livelihoods and recognize livestock's role in Indian agriculture.

As India seeks to balance economic growth with environmental responsibility, maintaining traditional practices like using cow manure as fertilizer is key. Targeted interventions in high-emission sectors are also crucial. For farmers like Abinaya Tamilarasu, ensuring her cows' welfare is paramount, highlighting the vital farmer-livestock relationship in creating a sustainable future.

## 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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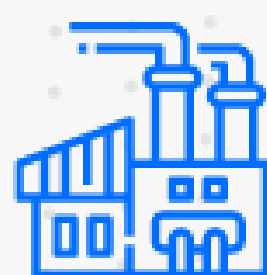


## Centre of Excellence for Dairy Skills in India

### 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

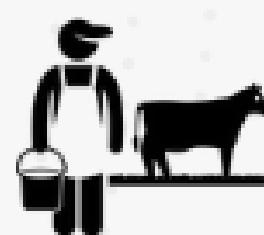
### Who Can Become a Member -



Corporates/  
Cooperatives



NGO's/CSR  
Foundations



Dairy Farmers



Students



Professional

www.cedsi.in

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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