



# CEDSI TIMES

*Your Skilling Partner...*

## NDDB's Rahuri Semen Station Ignites Agricultural Revolution Through Innovative Awareness Drive



In a remarkable stride towards propelling the dairy industry to new heights, the National Dairy Development Board's (NDDB) Rahuri semen station orchestrated an insightful awareness drive targeting local farmers. The event, held recently, focused on unveiling various insemination services poised to revolutionize dairy animal productivity.

The Rahuri semen station has emerged as a pioneering force in this initiative, offering an array of pivotal services. Notably, it provides frozen semen doses sourced from high genetic merit bulls, a cutting-edge approach that promises to elevate the quality and quantity of milk production.

Saroj Wahane, an esteemed figure and the head of the Rahuri semen station, shared her insights on the transformative potential of these initiatives. She emphasized that these efforts could serve as a true game-changer, not only substantially amplifying milk production but also specifically benefiting small and marginal farmers who often grapple with resource constraints.

## Haryana Governor Urges Scientists to Bridge Gap Between Research and Farming for Farmers' Benefit



Haryana Governor Bandaru Dattatreya emphasized the imperative need for scientists to bridge the gap between laboratory research and practical applications in the fields. During his visit to the ICAR-National Dairy Research Institute (NDRI), he underlined the potential benefits such a transition could bring to the farming community.

Governor Dattatreya reviewed ongoing research endeavors at the ICAR-NDRI and stressed the significance of translating these research findings into actionable solutions for farmers. He advocated for a seamless transfer of scientific knowledge from labs to fields to ensure that the agricultural community reaps the maximum advantages.

Recognizing the extensive research undertaken within laboratories, Governor Dattatreya expressed his contentment with the work being carried out at the ICAR-NDRI. He applauded the institute's commitment to the welfare of livestock farmers, particularly those residing in rural areas.

## Vaccination Drive Launched in Madurai to Safeguard Bovines Against Lumpy Skin Disease



In a proactive move to avert the potential outbreak of lumpy skin disease (LSD), a comprehensive vaccination drive targeting over 1,65,200 bovines has been initiated in Madurai district. The 21-day campaign, which commenced on Wednesday, aims to shield cattle from this viral ailment that poses a threat to livestock.

Lumpy skin disease, transmitted predominantly by blood-feeding insects, poses a grave danger to cattle. Its symptoms encompass fever, skin nodules, reduced milk production, appetite loss, and even infertility. The disease is particularly perilous for young calves and can lead to fatalities.

Dr. Nataraja Kumar, the regional joint director of animal husbandry in Madurai, highlighted the urgency of the situation. He explained that the vaccination drive serves as a precautionary measure, building on last year's efforts to combat the disease. The re-vaccination acts as a booster to fortify the cattle population against any potential spread of the ailment.



## Murrah buffaloes from India being introduced to increase Nepal's milk supply

Nepal's Prime Minister Pushpa Kamal Dahal's recent visit to India has resulted in a crucial "buffalo deal" that could significantly impact Nepal's food security. India has committed to providing 15 top-notch Murrah buffaloes to Nepal for breeding purposes, a move that underscores the collaboration between the two countries to enhance milk production.



The Murrah buffaloes, known for their high milk yield, will be pivotal in bolstering Nepal's livestock industry. The buffalo deal materialized after years of formal requests from Nepal's Ministry of Agriculture and Livestock Development to India for the supply of these prized animals.

The buffaloes' semen will be harnessed to breed more buffaloes with increased milk production capabilities. Nepal plans to produce around 150,000 doses of semen annually from these 15 buffaloes, coupled with artificial insemination for approximately 100,000 female buffaloes over the next three years. This strategic initiative aims to significantly boost milk production and address the country's nutritional needs.

Chandra Dhakal, a senior livestock development officer, revealed that a Nepali team is poised to receive the buffaloes from India through the Rupaidiha-Nepalgunj border point. These animals, born from high-milk-yield mother buffaloes, are expected to further elevate Nepal's buffalo population's milk productivity. Currently, the local breed yields an average of 850 liters of milk per year, while cross-bred Murrah buffaloes can produce around 1,500 liters annually.

Nepal's National Livestock Breeding Centres will play a pivotal role in distributing the buffaloes to different locations. The imported buffaloes will undergo a quarantine period and training to adapt them to the semen production process. These efforts align with Nepal's larger goal of maximizing milk production and enhancing its livestock industry's overall health and productivity.

While Nepal lacks technology for sex-selective breeding of female Murrah buffaloes, the "buffalo deal" marks a significant step toward improving the country's livestock industry. Through strategic collaborations with India, Nepal aims to create a stronger foundation for its agricultural sustainability and food security in the long run.

## Collaborative Study to Harness Paddy Straw as Livestock Feed Initiates at Guru Angad Dev Veterinary University

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), in partnership with Milkfed Punjab and the National Dairy Development Board (NDDB), Anand, is embarking on a groundbreaking study to explore the utilization of paddy straw silage in dairy animal rations. The objective is to curb the practice of burning paddy straw in Punjab, a practice that contributes significantly to air pollution and environmental degradation.



Inderjeet Singh, Vice Chancellor of GADVASU, led a critical meeting on this endeavor. The discussion involved Dr. Rajesh Sharma, Senior Manager at NDDB, Renu, General Manager (Procurement) at Milkfed, along with researchers from GADVASU, NDDB, and Milkfed. Singh underscored the importance of employing paddy straw as a resource in livestock production, presenting it as an effective solution to the rampant issue of paddy straw burning.

Mr. Singh highlighted a successful experiment conducted at the university's dairy farm where paddy straw was utilized without compromising animal health or productivity. Notably, milk production of dairy animals surged by 17% when paddy straw was used as bedding material. Singh also cited the experiences of progressive farmers who have been incorporating paddy straw into their animals' diets without negative repercussions.

Discussions encompassed the costs involved in baling, ensiling, and transportation of paddy straw bales. M R Garg from Milkfed highlighted the potential benefits of creating silage from fresh/green paddy stubble, allowing farmers to clear their fields swiftly after rice harvesting. JS Lamba shared insights from the Department of Animal Nutrition's research on enhancing the nutritional value of paddy straw using enzymes, cultures, urea, molasses, etc.



## The India Flavoured Milk market is anticipated to grow with more than 15% CAGR by 2023-28.



The alluring trend of flavoured milk has woven tradition and innovation into India's culinary tapestry, resulting in a captivating market poised for impressive growth. From childhood nostalgia to a diverse market catering to varied tastes and preferences, flavoured milk has undergone a transformative journey that echoes the nation's culinary heritage. With a projected Compound Annual Growth Rate (CAGR) exceeding 15% between 2023 and 2028, the Indian flavoured milk market continues to thrive, marrying tradition with modern consumer needs.

Rooted in the country's rich cultural influences and regional treasures, the market offers an expansive array of flavours. This diverse selection ranges from time-honoured classics to inventive fusions, reflecting India's culinary diversity. Bolstered by shifting consumer lifestyles, an increased focus on health and wellness, and a demand for convenient yet nourishing beverages, the flavoured milk market's sustained growth speaks volumes about its enduring popularity.

A surge in health-consciousness among Indian consumers has significantly impacted the flavoured milk market. The quest for healthier beverage choices that harmonize taste and nutrition has spurred manufacturers to introduce options with reduced sugar content, natural ingredients, and added nutrients. This evolution caters to individuals who seek the indulgence of flavoured milk without compromising their dietary goals.

While traditional flavours like chocolate and vanilla retain their allure, the market has experienced a remarkable diversification in offerings. In response to consumers' desire for unique taste experiences, manufacturers have ventured into the realm of innovative and exotic flavours inspired by Indian desserts, fruits, and spices. Flavours such as saffron, cardamom, rose, and mango have captured attention, providing a culturally resonant twist to flavoured milk.

## Milk Prices in India Rise by 22% in Three Years, Expected to Stabilize Post-Monsoon

Milk prices in India have experienced a notable surge, escalating by 22% over the past three years, with a 10% increase observed in the past year alone. The recent hike has prompted concerns among consumers; however, Union Minister for Fisheries, Animal Husbandry, and Dairying, Parshottam Rupala, has expressed optimism about the situation.



Rupala attributed the price surge to a decline in the prices of green fodder, a crucial component in dairy production. He indicated that post-monsoon, as fodder becomes more abundant, milk prices are anticipated to stabilize. Despite acknowledging the potential impact of extreme weather on crops, Rupala reassured the public that there is presently no alarming shortage of animal feed. He noted that even in the unlikely scenario of a shortage, state reserves are readily available to bridge the supply gap.

To counteract the challenges posed by climate variability, the government is actively engaged in developing climate-resilient cattle breeds. These breeds are being designed to withstand extreme weather conditions, thereby enhancing milk productivity in the long run.

As the nation awaits the post-monsoon period, stakeholders in the dairy industry remain watchful, hopeful that the upcoming abundance of fodder will alleviate the pressure on milk prices. The government's efforts toward creating resilient breeds also raise expectations for a more sustainable dairy sector in the face of changing climatic conditions.



## Pashu Sakhi: Empowering Livestock Owners and Livelihoods

### Introduction:

In the heart of rural India, a silent revolution is taking place to uplift both livestock owners and the dedicated women at the forefront - the Pashu Sakhis. These unsung heroes, also known as Animal Health Workers, are playing a crucial role in improving animal health, empowering communities, and earning their own livelihoods. In this blog, we will explore how Pashu Sakhis are making a significant impact on the lives of both animals and their owners, thanks to the critical training program organized by organizations like CEDSI.



### The Pashu Sakhi Initiative:

The Pashu Sakhi Initiative is a remarkable program that aims to train and empower local women to become animal health workers within their own communities. With a profound understanding of the daily challenges faced by livestock owners, Pashu Sakhis act as a bridge between veterinary services and rural households. They play a multi-faceted role, providing valuable services such as animal vaccinations, healthcare, nutrition advice, and data management, which is essential for the overall development of livestock.



### Empowering Livestock Owners:

Pashu Sakhis have brought about a transformation in the lives of livestock owners. Previously, accessing veterinary services was often challenging, especially in remote areas. The presence of Pashu Sakhis has significantly improved the accessibility and affordability of animal healthcare. By providing timely vaccinations and treatments, they prevent the spread of diseases and enhance livestock productivity. Livestock owners no longer need to travel long distances, saving both time and money while ensuring their animals receive proper care.

### Earning Their Own Livelihoods:

One of the most remarkable aspects of the Pashu Sakhi Initiative is how it has empowered women to become self-reliant. By becoming skilled animal health workers, Pashu Sakhis have unlocked a source of income for themselves and their families. This financial independence has not only elevated their status within their communities but has also instilled confidence and self-belief in them. As they contribute to their family income, they are now recognized as valuable contributors to the household economy.

### CEDSI's Critical Training Program:

CEDSI plays a pivotal role in organizing the comprehensive training program for Pashu Sakhis. The training curriculum covers a wide array of topics, including animal healthcare, vaccination techniques, nutrition management, and data recording. Additionally, they are educated on effective communication and community engagement skills to build trust and rapport with livestock owners. The critical training program emphasizes the importance of sustainability and the long-term impact of their work. Pashu Sakhis are also equipped with knowledge about government schemes and programs available for livestock development, enabling them to guide farmers in availing the benefits.





### Conclusion:

The Pashu Sakhis, as animal health workers, embody the spirit of selfless service and empowerment. Their dedication and expertise have not only transformed the well-being of livestock but have also empowered entire communities. By providing accessible and affordable healthcare solutions, they have become instrumental in improving rural livelihoods. Thanks to organizations like CEDSI and their critical training programs, Pashu Sakhis continue to pave the way for a healthier and more prosperous rural India, one livestock at a time.

CSR funding agencies should support the Pashu Sakhi Initiative for its positive impact on livestock welfare and rural livelihoods. By investing in this program, agencies empower women, improve animal health and productivity, foster rural development, and align with their CSR goals. The initiative's sustainability and community engagement make it an ideal project for creating lasting change in rural communities.

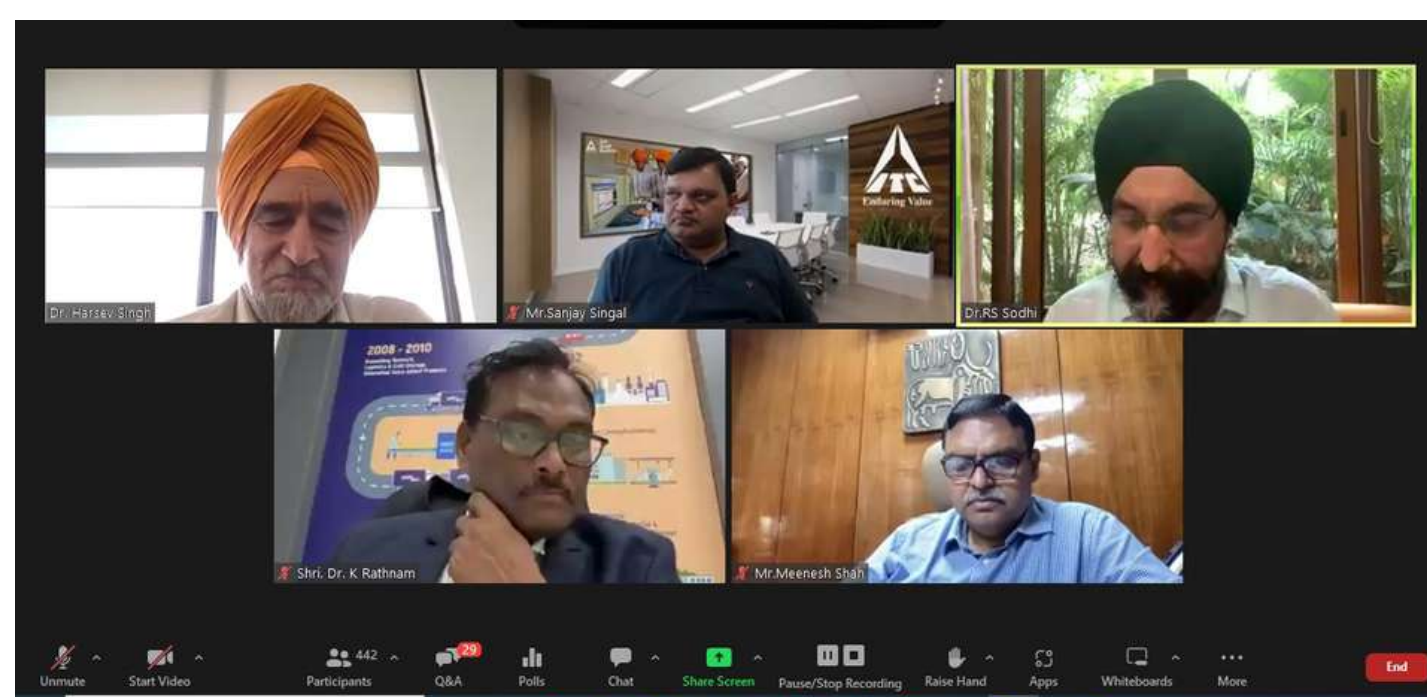
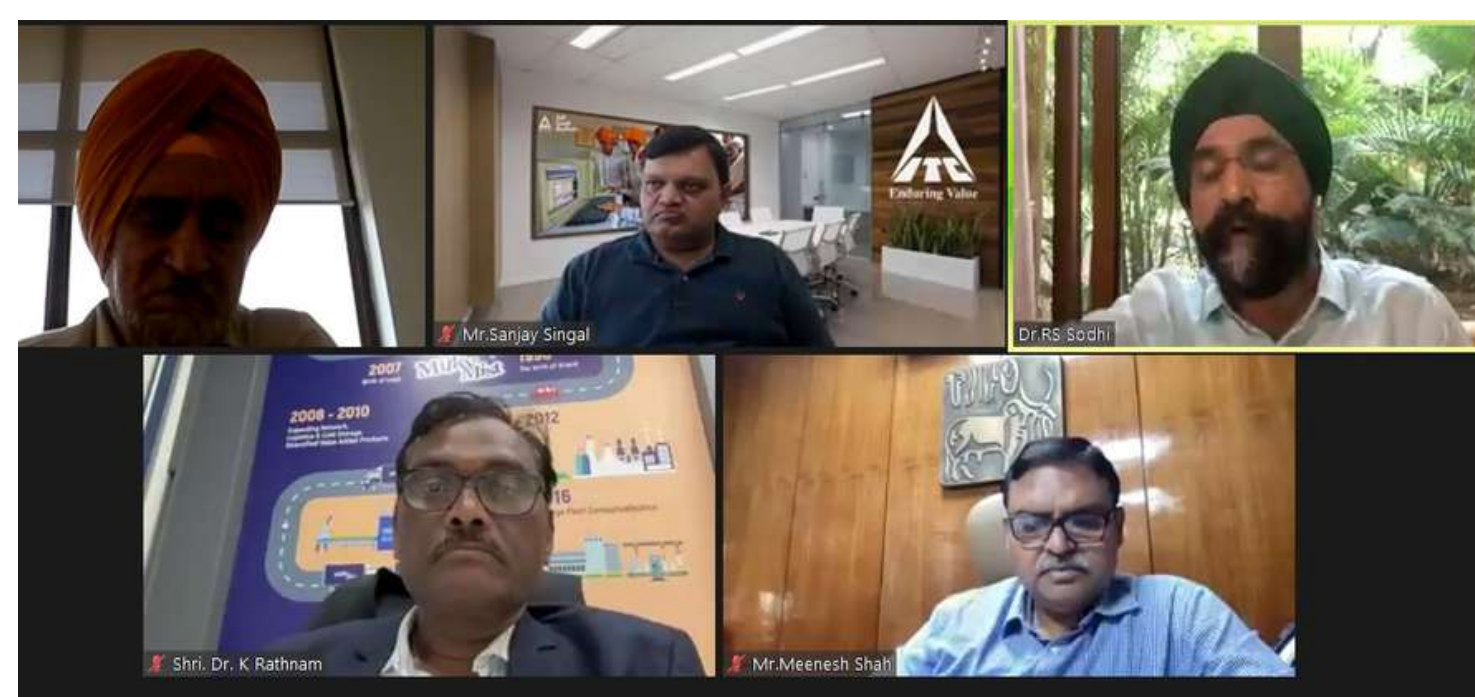
## Over 460 Enthusiasts Attend CEDSI Webinar on Carbon Neutral Dairy Farming

The Centre of Excellence for Dairy Skills in India (CEDSI) organized a landmark webinar on 4th August focused on the road to achieving carbon neutrality in the dairy farming sector. The event, which saw a massive turnout of over 460 participants, has been hailed as a significant step toward understanding and combating the challenges of greenhouse gas emissions within the dairy industry.

The keynote speakers comprised experts and thought leaders from the dairy farming sector, and sustainability champions. Each brought forth their insights, creating a holistic view of where the industry stands and where it could head in terms of sustainable practices. One of the critical takeaways from the event was the importance of collaboration among farmers, businesses, policymakers, and researchers to make carbon neutrality in dairy farming a reachable goal.

CEDSI encourages all stakeholders and interested parties to stay connected as they continue their journey in ensuring a greener, more sustainable future for the dairy industry. The organization has hinted at hosting more such events in the future, signaling its commitment to fostering a community that champions sustainability at its core. For those who missed the webinar, a recording will be made available on the CEDSI official website.

The Centre for Excellence for Dairy Skills in India is a leading institution aiming to bring forth innovative solutions and practices to enhance the skills and sustainability of the dairy industry in India.





# Announcement

## Skill Training Program for Primary Milk Producers in Rajasthan by CEDSI!

CEDSI is thrilled to announce an exclusive Skill Training Program aimed at empowering primary milk producers in Rajasthan. Affiliated dairy and milk producer associations have a unique opportunity to provide their members with comprehensive 3-day training covering end-to-end dairy farming and animal husbandry practices. The program will cover essential topics such as cattle breeds, feed management, animal health, breeding, milk quality, and farm management, among others. Participants will gain in-depth knowledge and practical skills to enhance their dairy operations.

Moreover, milk producers will undergo assessment and receive a formal certification upon successful completion of the program. This certification will serve as a recognized credential, aiding them in expanding their dairy business and building trust among stakeholders.

CEDSI will bear the program expenses, while affiliated dairies or producer associations will arrange the training venue, participants, and training aids. Each batch can accommodate a maximum of 25-30 farmers, ensuring personalized attention and focused learning. Two batches can be organized to cater to a larger number of milk producers. If your dairy or producer association is interested in uplifting and empowering your affiliated milk producers through this skill training program, don't miss this opportunity!

### 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
- ✓ Consulting and advisory services to help members
- ✓ 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 -



### Who are we ?

“The Centre of Excellence for Dairy Skills in India (CEDSI)” an autonomous institution working under the aegis of the Agriculture Skill Council of India (ASCI) under the Ministry of Skill Development & Entrepreneurship, to help the empowerment and betterment of Livelihood of farmers, wage workers, and other stakeholders in the Dairy value chain.

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.

# 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