

Foundation stone of frozen semen station laid in Purnea, Bihar

The foundation stone of the frozen semen station in Maranga, Purnea, which was set up at an outlay of ₹ 64 crore under the Rashtriya Gokul Mission with 100 per cent contribution from the Central government, was laid by Mr. Radha Mohan Singh, Hon'ble Minister of Agriculture and Farmers' Welfare, Government of India.

Of the aforementioned amount, ₹ 20 crore has already been released. Singh said, "Artificial insemination techniques can increase milk production and productivity. Currently, artificial insemination is being done by the Bihar State Milk

Co-operative Federation Ltd. [COMFED (Sudha)] in Bihar. For artificial insemination, semen from high-genetic merit bulls is needed."

He added that post-Independence, this is the government that has been taking concrete steps for the welfare of farmers at the grassroot level. To improve the condition of farmers, Hon'ble Prime Minister Mr. Narendra Modi resolved to double their incomes by 2022, and in order to achieve this, the Ministry of Agriculture and the Department of Animal Husbandry, Dairying and Fisheries are working wholeheartedly.

Mr. Singh elaborated that the frozen semen station in Purnea will be the first state-of-the-art semen production centre in the country. It will develop highly



modern bull farm, semen processing lab, feed and godown, agricultural equipment and other facilities.

In this, 300 high-genetic merit bulls will be kept and 50 lakh semen doses will be produced per year. Red Sindhi, Bachaur, Gangatiri and Sahiwal breeds will also be kept. With the establishment of this semen station, the milk productivity of cows and buffaloes will increase rapidly in the state.

The minister said the Rashtriya Gokul Mission was initiated in December 2014 with an aim to conserve and develop indigenous breeds. Proposals from Bihar under the Rashtriya Gokul Mission in 2015 and 2017 have been approved with a sum of ₹ 133.26 crore. Under the scheme, ₹ 52.40 crore has been released to the state.

NDDB celebrates Kisan Kalyan Diwas

THE NATIONAL DAIRY DEVELOPMENT BOARD celebrated the Kisan Kalyan Diwas at NDDB's Dr. Kurien Auditorium on May 2, 2018. The event was the part of Gram Swaraj Abhiyan announced by the Ministry of Rural Development, Govt. of India on the occasion of Ambedkar Jayanti.

While addressing the dairy farmers from Anand, Mr. Dilip Rath, Chairman, NDDB said dairying will certainly play a crucial role in achieving the target set by our Hon'ble Prime Minister for doubling farmers' income. Mr. Rath said, "Thanks to the collective efforts of millions of landless, small & marginal dairy farmers and the milk producer institutions which represent them, we could not only become self-sufficient in milk production but also the world's leading milk producer. Currently, India is contributing about 20.2% to the world milk production and we are growing at



Administrative Approval for implementation of Dairy Entrepreneurship Development Scheme during 2018-19

As per the **Gazette Notification No. 1-1/2009-DP dated May 2, 2018** issued by Dairy Division, Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture and Farmers' Welfare, Govt. of India, the administrative approval has been given for continuation of the implementation of Dairy Entrepreneurship Development Scheme (DEDS) during 2018-19 beyond 12th Plan.

The details of the scheme i.e., objectives of the scheme, implementing agency and area of operation, outlays of the scheme, integration of one or more components admissible for funding, eligible beneficiaries, pattern of assistance, financial institutions eligible for re-finance under the scheme, linkage and credit, priorities, etc. have been mentioned in the notification. Members can visit IDA's website as well as the site of Department of Animal Husbandry, Dairying and Fisheries to read this scheme in full details.

DADF website:

<http://dadf.gov.in/sites/default/files/Final%20Administrative%20Approval%20of%20DEDS%202018-19%20.pdf>

IDA's website:

http://indairyasso.org/pdf/info/DEDS_2018_19.pdf

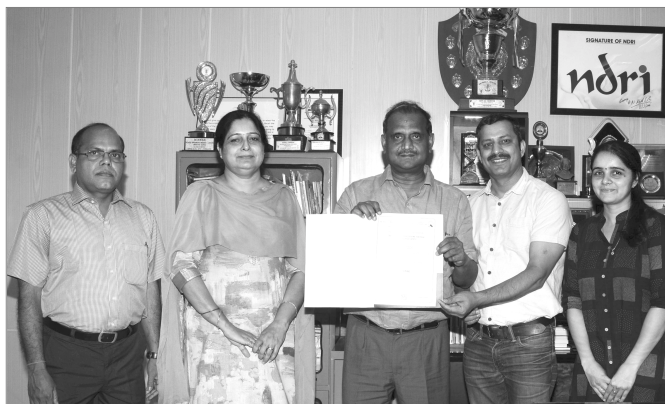
an annual rate of about 5.7% consistently over the last 5 years.”

Chairman, NDDB conveyed that dairying is an important economic activity which contributes to about 67% of the value of output of livestock sector. Income from dairying contributes to about 25% of the income of small and marginal farmers. Dairy Development is therefore a very important developmental intervention in rural India for achieving agricultural growth with equity. With limited resources, environmental constraints and a huge animal population with low productivity, the only way we can continue to maintain our self-sufficiency in milk and double farmers' income is by introducing efficiencies at all levels in the dairy value chain.

The event mainly focused on scientific methods of dairying with four broad themes – Manure management by adopting flexi biogas plant, Enhancing milk production through different types of breeds and breeding practices, Increasing income of farmers through appropriate animal nutrition practices at optimum costs and Reducing cost of animal health care by adopting preventive & curative health care management.

NDRI lab has been granted NABL Accreditation

NATIONAL REFERRAL CENTRE FOR MILK QUALITY AND SAFETY (NRCMQS) situated at ICAR-National Dairy Research Institute, Karnal has been granted accreditation by National Accreditation Board for Testing and Calibration Laboratories (NABL) in the discipline of Chemical Testing.



NABL has evaluated the NRCMQS in accordance with ISO/IEC 17025-2005. During assessment NRCMQS has demonstrated its competence in testing of Liquid milk and milk products such as Ghee, Whole Milk Powder, Skimmed Milk Powder, Dairy Whitener, Cheese, and Paneer/Channa. The lab has been accredited



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for two years and accreditation is valid till 21-03-2020.

Dr. R.R.B. Singh, Director ICAR-NDRI congratulated the team of NRCMQS for this achievement. He informed that this was a long pending demand from dairy industry as well as regulatory agencies that a testing house should be established at ICAR-NDRI. He elaborated



that the laboratory is equipped with the state-of-the-art equipments for testing of dairy products which include HPLC, GCMS-MS, atomic absorption spectrophotometer, particle size analyser, LCMS-MS, protein analyser, electrochemical station etc. He requested the dairy industry to take benefit of testing facilities at NDRI.

Sodium content in milk fixed at 55mg/100g & 650mg/100g in milk powder

FSSAI has fixed the total sodium content at 55mg per 100g for milk and 650mg per 100g for milk powder. In this regard, the country's apex food regulator has released a draft notification aimed at consolidating the standards for milk and milk products, particularly the sodium content, in accordance with the daily value.

The revised standards include those for goat and sheep milk, and the sodium content in milk and milk powder, besides standards for new milk products like medium-fat channa or paneer, whey cheese and cheese in brine. The fat content and solids non-fat (SNF) content at for goat and sheep milk are fixed at three and nine m/m by percentile.

The draft also prescribed moisture for channa and paneer at 65 per cent and 60 per cent, respectively, while for fat, the value by percentile is fixed at 50 for channa or paneer, between 15 and 50 for medium-fat channa or paneer and 15 for low-fat channa or paneer.

“This notification primarily deals with the level of sodium and fats in milk (goat and sheep) and milk powder. The sodium level in milk is related with the daily value (DV), considered suitable for human health. This notification seems primarily consolidating specifications more precisely and should be seen as a normal and positive move,” said Ashok Pandey, scientist, CSIR-Indian Institute of Toxicology Research, Lucknow.

Further, the draft also prescribed the labeling guidelines for channa/paneer in case of low-fat paneer/channa, and that such product be sold only in sealed pack bearing a label saying low-fat paneer or low-fat channa or medium fat paneer or medium-fat channa (as the case may be). The standards stated that the label must also contain the percentage of milk fat.

Subsidy to milk cooperatives that process milk to milk powder

THE MAHARASHTRA CABINET has recently announced subsidy of ₹ 3 per litre to milk cooperatives that process milk to milk powder.

The decision will be implemented in the next 30 days and the state will have to bear a burden of ₹ 32 crore. This subsidy will be extended to cooperatives and private milk companies who generate 20% more milk powder than their regular production. Milk cooperatives said that due to the drop in milk rates in the national



and international market they were making losses and were not able to give dairy farmers their desired rate.

Cooperatives had said that they were making a loss of ₹ 3.24 per litre of milk if they converted it into milk powder, and to bridge the gap the subsidy was announced.

Dairy farmers in some parts of the state have been protesting against the low rates that cooperatives give for their produce.

There are 21 private and 7



co-operatives in the state that process milk to milk powder. Currently only 20 of these are actually operating. From 100 litre of milk, about eight kg of powder can be prepared

and 4 kg of white butter. Previously, during the year 2012-13, the state government had provided subsidy of ₹ 2 to the industry.

Punjab to Offer Subsidy to Unemployed Youth for Dairy Farms

ACCORDING TO THE Hon'ble Animal Husbandry, Dairy Development and Fisheries Minister Mr. Balbir Singh Sidhu, the Punjab government will extend 25 to 33 percent subsidy to unemployed youth for setting up dairy farming units in the state. The offer has been made under the state's crop



diversification policy to encourage youth to look at producing milk products, purchasing milch animals and for purchasing milking machines.

Mr. Sidhu also informed that under the comprehensive policy, the government has decided to

provide self-employment to 500 unemployed youth in every district by encouraging them to set up dairy farming units.

He said that concerted efforts are being also made to enable the farmers to fetch a competitive price of milk to provide enabling atmosphere for the marketing of milk in

other states. Under this policy, the ministry has also chalked out a training programme at each of the Dairy Training and Extension Centres to provide latest technical training to the young farmers to make the dairy farming a self-sustaining and profitable profession.

Amul to expand footprint in Assam

GUJARAT COOPERATIVE MILK MARKETING FEDERATION LTD. will soon expand its operations to Darrang, Morigaon and Nagaon districts in Assam to support indigenous dairy farmers.

It recently initiated milk procurement from remote villages in the state after the launch of the Amul milk production unit on the outskirts of the city.

The cooperative initially faced problems in milk procurement but met with success soon with dairy farmers from neighbouring areas like Barpeta, Bongaigaon and Nalbari showing interest in forming milk producers' welfare associations (MPWAs).

It has formed 12 such associations so far and has set up two bulk milk coolers at Tihu in Nalbari and at Kokila in Bongaigaon. The Tihu bulk milk cooler, which started operations recently and collected 1,200 litre milk from four MPWAs on the very first day.

Altogether 160 farmers have benefitted from the association and Amul is planning to increase the number to



1,000 producers within three months.

The Kokila milk cooler is slated to start operations by the third week of this month with a targeted daily milk collection of 4,000 litres from eight MPWAs on its first day of operation. From these two sites, Amul plans to collect 10,000 litre of milk daily in the

next three months. In the next phase, Amul plans to enter the Barpeta Road area to initiate milk procurement.

Amul's total investment in Assam will be about ₹ 1.50 crore. Apart from milk collection, Amul will soon start a productivity enhancement programme for producers, which includes supply of balanced cattle feed and feed supplement, veterinary services and fodder seed, among others.

By the end of 2018-19, Amul is planning to expand operations to Darrang, Morigaon and Nagaon districts to partner with about 25,000 farmers and form 35 MPWAs with a daily collection of 26,000 kg milk at an additional investment of ₹ 3 crore.



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PRABHAT DAIRY TO LAUNCH KESAR BADAM LASSI, VANILLA BLUEBERRY MILKSHAKE

Prabhat Dairy Ltd. plans to launch *lassi* in two flavours, mango and *kesar badam*, and vanilla blueberry milkshake. The company has forayed into the dairy beverage segment, with the launch of *chaas*, *lassi* and milkshake in tetrapaks, besides unveiling the Prabhat Goodness Zone, a franchise-based chain of retail outlets. It has envisioned the opening of 500 outlets in the next three years.

NESTLÉ ENTERS AGREEMENT FOR GLOBAL LICENSE OF STARBUCKS' CONSUMER PRODUCTS

Nestlé announced that it has entered an agreement granting the company perpetual rights to market Starbucks consumer and foodservice products globally, outside of the company's coffee shops.

It also allows Nestlé to capture exciting new growth opportunities in the rest of the world with Starbucks' premium products. As a complete provider of coffee solutions, Nestlé will accelerate growth in out-of-home channels. The two companies will work closely together on innovation and go-to-market strategies to bring the best coffee to customers around the world.

ABBOTT UNVEILS PEDIASURE'S COOKIES & CREAM VARIANT FOR KIDS TWO AND UP

Abbott has launched PediaSure in a new flavour – Cookies and Cream – for children two years and above. Packed with 37 vital nutrients, it provides complete and balanced nutrition for a growing child at nutritional risk and supports a child's growing height, weight and energy requirements.

NABARD plans 1,200 dairy units for Srikakulam farmers



NABARD

THE NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT (NABARD) has decided to develop 1,200 dairy units in this district, enabling farmers to generate assured income. It is expected to release ₹ 62 crore to fund those projects.

In association with the Srikakulam Lead Bank, the NABARD organised a workshop on promotion of dairy development recently. Speaking on the occasion, NABARD District Development Manager Mr. M.D. Vasudevan expressed concern over the importance of dairy development being ignored. The income through dairy activity would come to the rescue of farmers in case of their crops falling prey to natural calamities.

“The proposed dairy units will be linked with milk procuring agencies to ensure a market for milk. The milk procuring centres will repay the loan amount to banks,” he said. Joint liability groups “Farmers have to form joint liability groups to start the units before applying for loans and subsidy,” Mr. Vasudevan said.

Animal Husbandry Joint Director M. Venkateswarlu said the government was encouraging setting up ‘Gokulams’ in villages by sanctioning up to ₹ 21 lakh per unit. Andhra Bank Zonal Manager C.Rajendra Kumar and Lead Bank Manager P.Venkateswara Rao said the banks were willing to extend loans for dairy units.

FSSAI to issue online licensing and registration certificates to FBOs

FSSAI has decided to issue online certificates of licensing and registration to food business operators (FBOs). The certificates will be sent directly to the FBOs' registered e-mail addresses or the Food Licensing Registration System (FLRS) bin instead of sending across a hard copy to their addresses. This decision is effective from May 1, 2018.

The certificates shall also carry a statement at the end, which will state that this is a computer generated license/registration certificate and does not require signature of the license/registration authority. Further, the license/registration certificate will also bear a quick response (QR) code as a security feature to verify the license or registration certificate.

The computer-generated copy of licenses/registration certificates will be sent to the registered e-mail addresses of FBOs, the e-mail addresses of the persons nominated for complying the conditions of licenses by the FBO, in the FLRS bin of the FBO and a SMS alert in this regard will also be sent to the





concerned FBO for information at the time of generation of the certificate.

Garima Singh, director, regulatory compliance, FSSAI headquarters, said that based on computer generated certificates, the FBOs will be in a position to start their businesses immediately.

At present the printed copy of licenses/registration certificates granted is sent by the authority to FBOs through post at their correspondence addresses, except in the states of Delhi, Jammu and Kashmir (J&K) and Madhya Pradesh, where such certificates are issued via mail having signatures of the concerned authority.

“The practice of sending licenses/registrations by post has certain disadvantages like postal delay in delivery, non-receipt of certificates and it has also leads to inconvenience and harassment of FBOs who have to visit the office of concerned authority in case of non receipt of certificates,” she said, adding that the apex food regulator has been seized of the matter for sometimes and it was decided that certificates will be sent to email addresses or the FLRS bin of FBOs.

A letter regarding this order has also been sent across the state food safety commissioners and Central licensing authorities by the apex food regulator.

Meghalaya: Food testing lab launched in state capital

A MOBILE FOOD TESTING LABORATORY called Food Safety on Wheels was launched in the city recently by Meghalaya Health Minister A.L. Hek. The mobile food testing laboratory, under the Commissioner of Food Safety, was



launched to reach out to street food vending, catering, retail and distribution, storage and transport, manufacturing, bakery, sellers of meat, milk and milk products in the unorganised food business sectors.

The vehicle costs around ₹ 37 lakh and is funded by the Food Safety and Standards Authority of India (FSSAI). In addition, the FSSAI will also bear the maintenance cost of ₹ 5 lakh per year.

State Health Minister also stated that the laboratory will serve multiple functions and is equipped with basic infrastructure for spot testing of food items for detection of adulteration in food products. Besides transporting food samples from remote areas to the Food Testing Laboratories, the lab will also act as a platform to conduct awareness programmes and to impart training for consumers, food business operators and school children.

IDF WORLD DAIRY SUMMIT 2018 Oct. 15 - 19, 2018

**Daejeon Convention Center
Daejeon, South Korea**

IDF World Dairy Summit 2018, is being held in Daejeon, the New Hub City of Korea. The theme of the summit is “Dairy for the Next Generation!”.

Over 1,500 dairy leaders from all over the world are expected to participate in it. Over 150 international speakers will address current and future issues.

The summit may provide you with a highly effective business and marketing platform so that you can connect with global delegates For further information, visit: www.idfwds2018.com

ESADA TO ORGANIZE 14TH AFRICAN DAIRY CONFERENCE AND EXHIBITION

20th - 24th Aug., 2018

Nairobi, Kenya

Eastern and Southern Africa Dairy Association (ESADA) is organizing the 14th African Dairy Conference and Exhibition. The event will take place in Nairobi, Kenya.

For more information, contact at secretariat@dairyafrika.com, www.dairyafrika.com

INNOVATION IN AGRICULTURE FOR INDIA

June 4-11, 2018

**Galilee International
Management Institute, Israel**

Galilee Institute is organizing 8 day programme exclusively for Indian agriculture professionals, farmers, entrepreneurs, researchers, extension officers and government officials. It will focus on the challenges faced by the Indian farming system and farmers. The programme is intended to support India's national goal of doubling farmers' income by 2022.

To register and receive application documents contact Dasha Genasia dgenasia@galilcol.ac.il



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Dairy Day Ice Creams launches summer range under Lick, Chew, Bite series

DAIRY DAY, a leading ice cream brand in South India, has launched summer range – Crust, Paan Twist and Ice Cream Sandwich under its Lick, Chew, Bite (LCB) series. The range will be available across 30,000 outlets in South India.

The Lick series, a premium extruded product coated with real chocolate, will be available in two new flavours – Crust Coffee Twist and Crust Caramel Twist.

Paan Twist under the Chew series, similar to eating a Meetha Paan, will come packed in a paan leaf shaped container. Actual betel leaves and rose petals are added to the ice cream to enhance the taste and flavour.

The Bite series, an ice cream sandwich, will be available in creamy rich vanilla or chocolate ice creams, sandwiched between choco biscuits.

Mr. M.N. Jaganath, Director, Dairy Day, stated, “We are known to offer unique, innovative, value for



money products to customers. The main inspiration behind the LCB series is to cover all the actions which a consumer does with his or her ice cream - they can either lick it, chew it or bite it. So, we thought of launching a series of flavours which will fit into this theme.”

He added, “Once Paan was developed and it was tasting as good as eating real paan - we decided to present in a unique packing which

resembles a paan leaf and hence the idea of a paan-shaped container came up.”

The ice cream company was set up in 2002 with extensive presence in Karnataka and Tamil Nadu. Dairy Day manufactures and supplies approximately 150 products in over 30 flavours. The range of products include a variety of cups, cones, sticks, tubs and other novelties.

The company is promoted by Mr. Jaganath, A Balaraju and their colleagues. It has two state-of-the-art manufacturing units in Karnataka.

INTERNATIONAL news

Researchers link higher dairy intake with higher bone mineral density

RESEARCHERS FROM HEBREW SENIORLIFE'S INSTITUTE for Aging Research (IFAR), Wageningen University, Tilburg University, University of Reading, and Beth Israel Deaconess Medical Centre (BIDMC) have discovered that higher intake of dairy foods, such as milk, yoghurt, and cheese is associated with higher volumetric bone mineral density and vertebral strength at the spine in men.

Dairy intake seems to be most beneficial for men over age 50, and continues to have positive associations irrespective of serum vitamin D status. However, in women, researchers found no significant results, except for a positive association of cream intake in the cross sectional area of the bone.

The study participants included 1,522 men and 1,104 women from the Framingham Study, aged between 32 and 81. The researchers examined quantitative computed



tomography (QCT) measures of bone to determine associations with dairy intake.



Shivani Sahni, director, nutrition programme, associate scientist, IFAR, and senior author of the study, said, “This study related dairy intake with QCT-derived bone measures, which are unique because they provide information on bone geometry and compartment-specific bone density that are key determinants of bone strength.”

“The results of this study highlight the beneficial role of a combination of dairy foods upon bone health and these beneficial associations remain irrespective of the

serum vitamin D status in a person,” he added.

The results of this study were published recently in the *Journal of Bone and Mineral Density*.

This research was supported by NIH AR # 053205; FHS N01-HC-25195 R01 AR/AG 41398 and an unrestricted institutional research grant from Dairy Management Inc. Miss van Dongen’s internship were supported by funds from the Dutch Dairy Organisation and Global Dairy Platform.

Soil pollution threat to food safety, agri productivity, says FAO report

SOIL POLLUTION poses a worrisome threat to agricultural productivity, food safety and human health, but far too little is known about the scale and severity of that threat. This was stated by a recently-released Food and Agriculture Organization (FAO) report titled *Soil Pollution: A Hidden Reality*, at the start of a three-day global symposium at the headquarters of the United Nations agency in Rome.

It added that industrialization, war, mining and the intensification of agriculture have all left a legacy of soil contamination across the planet, while the growth of cities has seen soil used as sink for ever greater amounts of municipal waste.

“Soil pollution affects the food we eat, the water we drink, the air we breathe, and the health of our ecosystems,” said Maria Helen Semedo, Deputy Director General, FAO, at the start of the symposium. “The potential of soils to cope with pollution is limited; the prevention of soil pollution should be a top priority worldwide,” she added.

“But even though agricultural intensification, industrial output, and urbanization continue at a rapid pace, no systematic assessment of the status of soil pollution at the global level has ever been undertaken,” FAO’s new report noted.

“Studies conducted so far have largely been limited to developed economies, so there are massive information gaps regarding the full nature and extent of the problem,” according to FAO’s survey of the existing scientific literature.

The report said, “What little we do know is cause for concern.” For example, in Australia, some 80,000 sites are now estimated to suffer from soil contamination. China has categorised 16 per cent of all its soils - and 19 per cent of its agricultural soils - as polluted. There are approximately three million potentially polluted sites in the European Economic Area and the West Balkans. In the United States, 1,300 sites appear on that country’s Superfund National Priorities list of pollution hot spots.

“Numbers like these help us understand the types of dangers pollution poses to soils, but do not reflect the complete extent of soil pollution around the world, and highlight the inadequacy of available information and the differences in registering polluted sites across geographic regions,” said *Hidden Reality*.

During the symposium, experts and policymakers will discuss the threat of soil pollution and begin mapping out a more cohesive international response. Soil pollution often cannot be visually perceived or directly assessed, making it a hidden danger - with serious consequences. It impacts food security both by impairing plant metabolism, and thus, reducing crop yields, as well as by making crops unsafe for consumption. Pollutants also directly harm organisms that live in soil and make it more fertile. And, of course, soil contaminated with dangerous elements (for example, arsenic, lead and cadmium), organic chemicals like polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) and pharmaceuticals such as antibiotics and endocrine disruptors pose serious risks to human health.



**FOOD AND AGRICULTURE
ORGANIZATION
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