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The Milky words...

over the years



Department of Animal Husbandry and Dairying Ministry of Fisheries, Animal Husbandry and Dairying Government of India

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भारत के गांवों में हरित और सतत् विकास के लिए पशुपालन और डेयरी क्षेत्र एक बड़ा माध्यम है । आज हमारा फोकस देश में संतुलित डेयरी इकोसिस्टम बनाने पर है । • •

श्री नरेन्द्र मोदी माननीय प्रधान मंत्री



Nari Shakti in animal husbandry and dairy farming are not just caretakers of livestock; they are architects of change, building a foundation for sustainable development

Shri Purshottam Rupala Hon'ble Union Minister of Fisheries, Animal Husbandry and Dairying



**Dr. Sanjeev Kumar Balyan**Hon'ble Minister of State of Fisheries
Animal Husbandry and Dairying



**Dr. L. Murugan**Hon'ble Minister of State of Fisheries
Animal Husbandry and Dairying





Always, the question.

Glass... half full or half empty?

But the story of Milk in India is certainly a full glass.

Actually, brimming with achievements.

From being a milk deficient country when we used to import milk powder to turn it into liquid milk to meet India's needs to becoming the world's biggest milk producer... is a remarkable story, indeed.







The dairy sector holds immense significance both globally and in India. Dairy products serve as a cornerstone of human nutrition, providing essential nutrients such as calcium, protein, and vitamins, contributing to overall health and well-being.

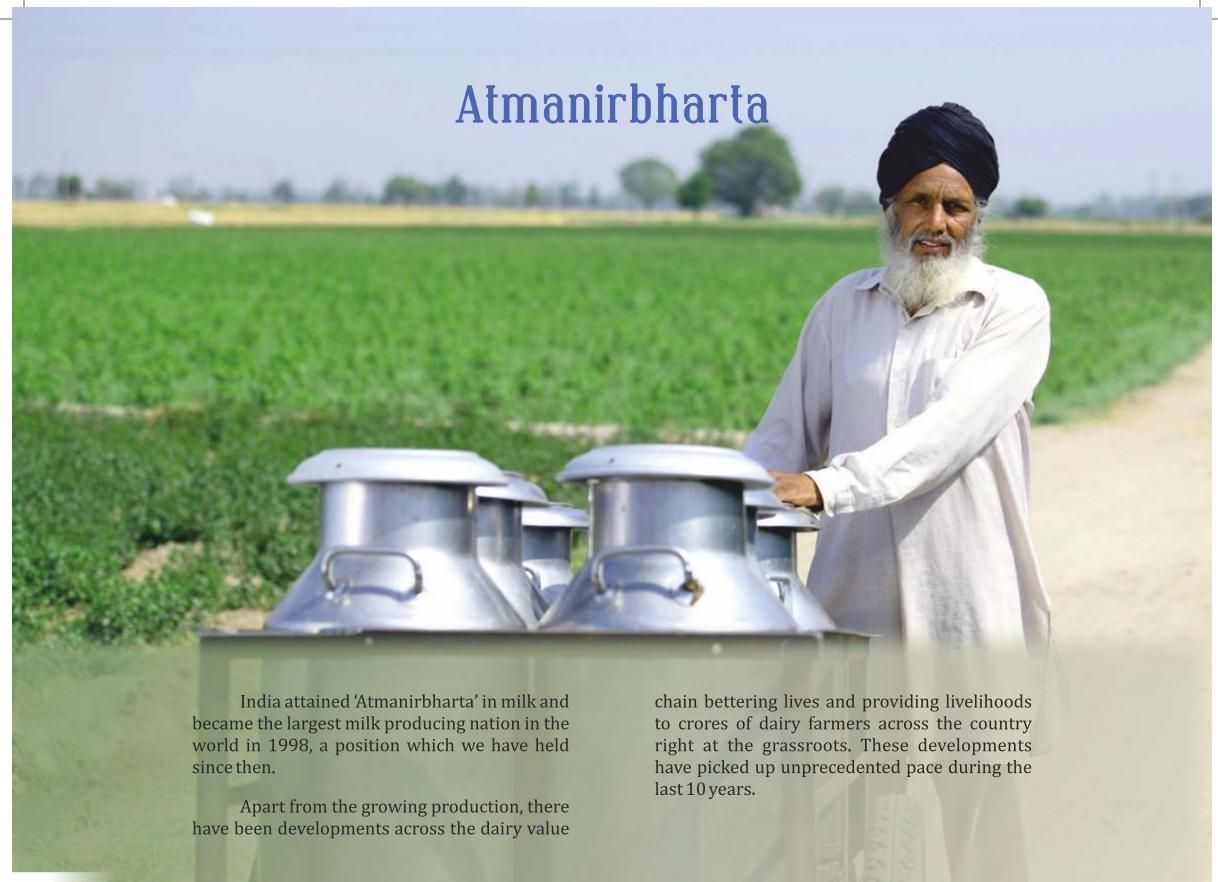
The history of the Indian dairy industry dates back to ancient times when the domestication of cattle and buffaloes played a crucial role in providing milk and dairy products for sustenance.







Furthermore, these products have deep-rooted cultural significance, forming a vital part of culinary traditions across diverse societies.





Indian dairying has witnessed remarkable growth and transformative changes in the past decade. India is now ready to position itself as a key player in the global dairy industry not only in terms of volumes but in every facet of

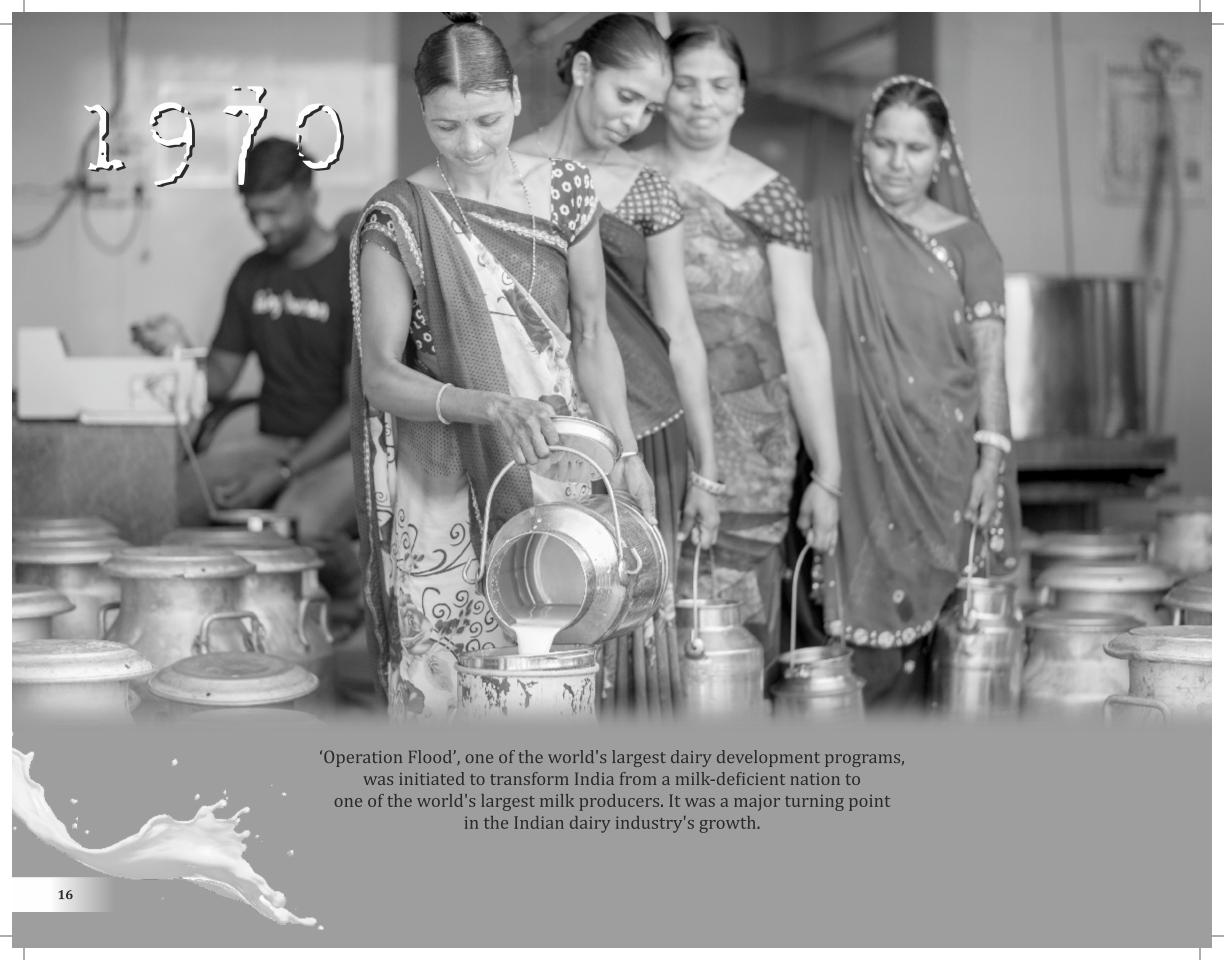
dairying. A combination of innovative strategies, technological advancements, and policy initiatives has propelled India to new heights.















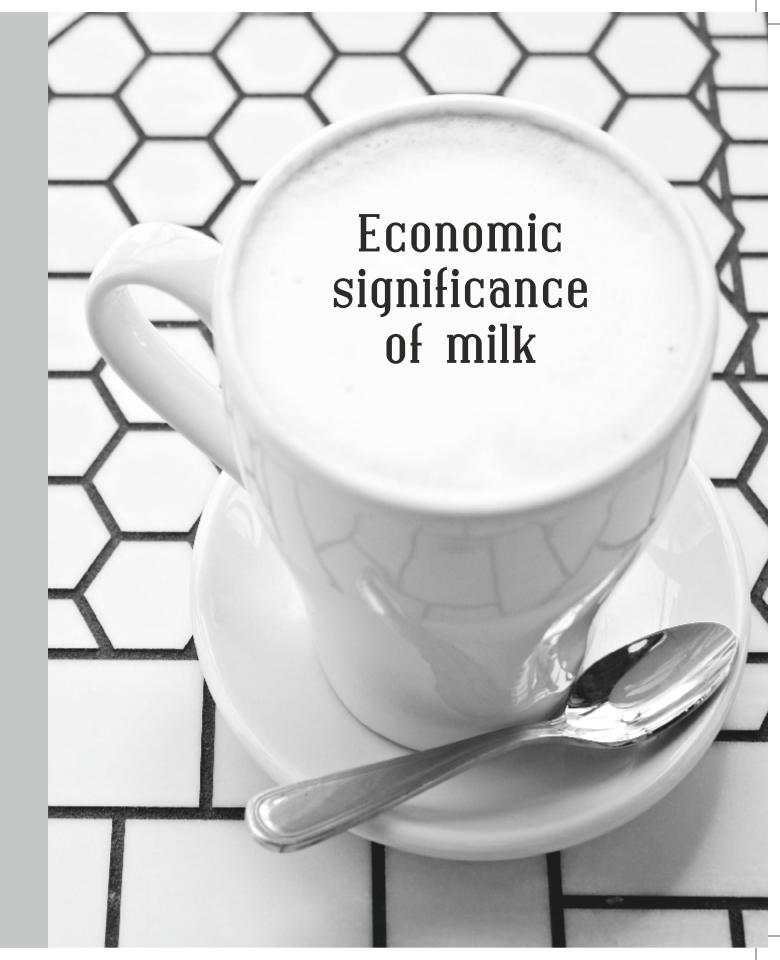
National Dairy Plan Phase I (2011-12 to 2018-19) helped the country sustain its self-sufficiency in milk post the 'Operation Flood' era. NDDB implemented NDP I, termed as Mission Milk – The Next Revolution. It contributed substantially in achieving the project development objectives of increasing the productivity of milch animals and thereby increasing milk production to meet the rapidly growing demand for milk. It also provided rural milk producers with greater access to the organised milk processing sector.



The Indian dairy industry experienced substantial growth, not only as an economic powerhouse but also as a catalyst for rural development, technological advancement, and global recognition. The positive impacts of the dairy sector have extended to various facets of the Indian society, positively influencing the lives of millions of dairy farmers and consumers alike.

Livestock Sector is an important subsector of agriculture in the Indian economy. It grew at a Compounded Annual Growth Rate (CAGR) of 7.93 per cent during 2014-15 to 2019-20 (at constant prices).

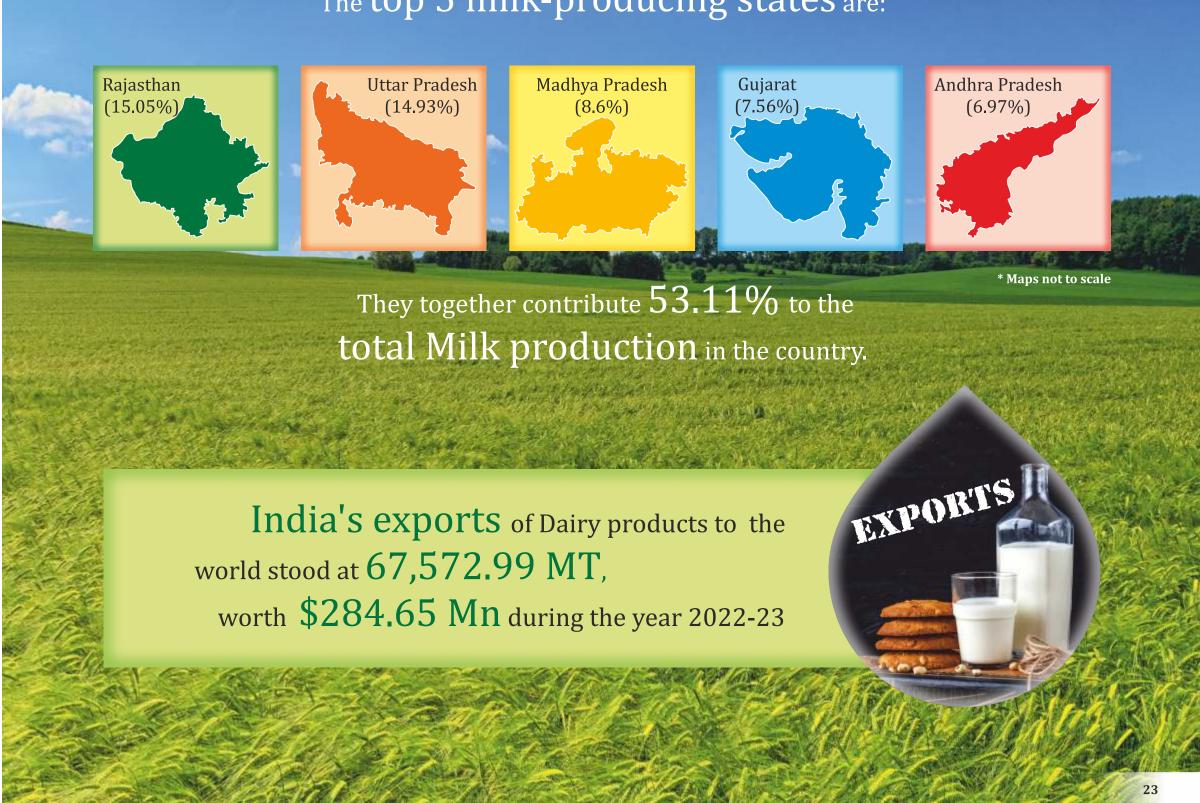
As per the estimates of National Accounts Statistics (NAS) 2023 for sectorwise Gross Value Addition (GVA) of agriculture and allied sectors, the contribution of livestock in the total agriculture and allied sector GVA (at constant prices) has increased from 24.32 per cent (2014-15) to 30.67 per cent (2021-22). Livestock sector contributed 5 per cent of total GVA in 2021-22.







### The top 5 milk-producing states are:



# Growth in Milk Production

2021-22 **221** 

Mn Tonnes

2014-15 **146.31**Mn Tonnes

Dairy products are the single largest agricultural commodity contributing 5 per cent to the national economy and employing more than 10 crore farmers directly. India is the world leader in milk production contributing 24 per cent to the global milk production.



Milk production in the country has grown at a compounded annual growth rate of about 6.3 per cent, to reach 221 million tonnes in 2021-22 from 146.31 million tonnes in 2014-15.

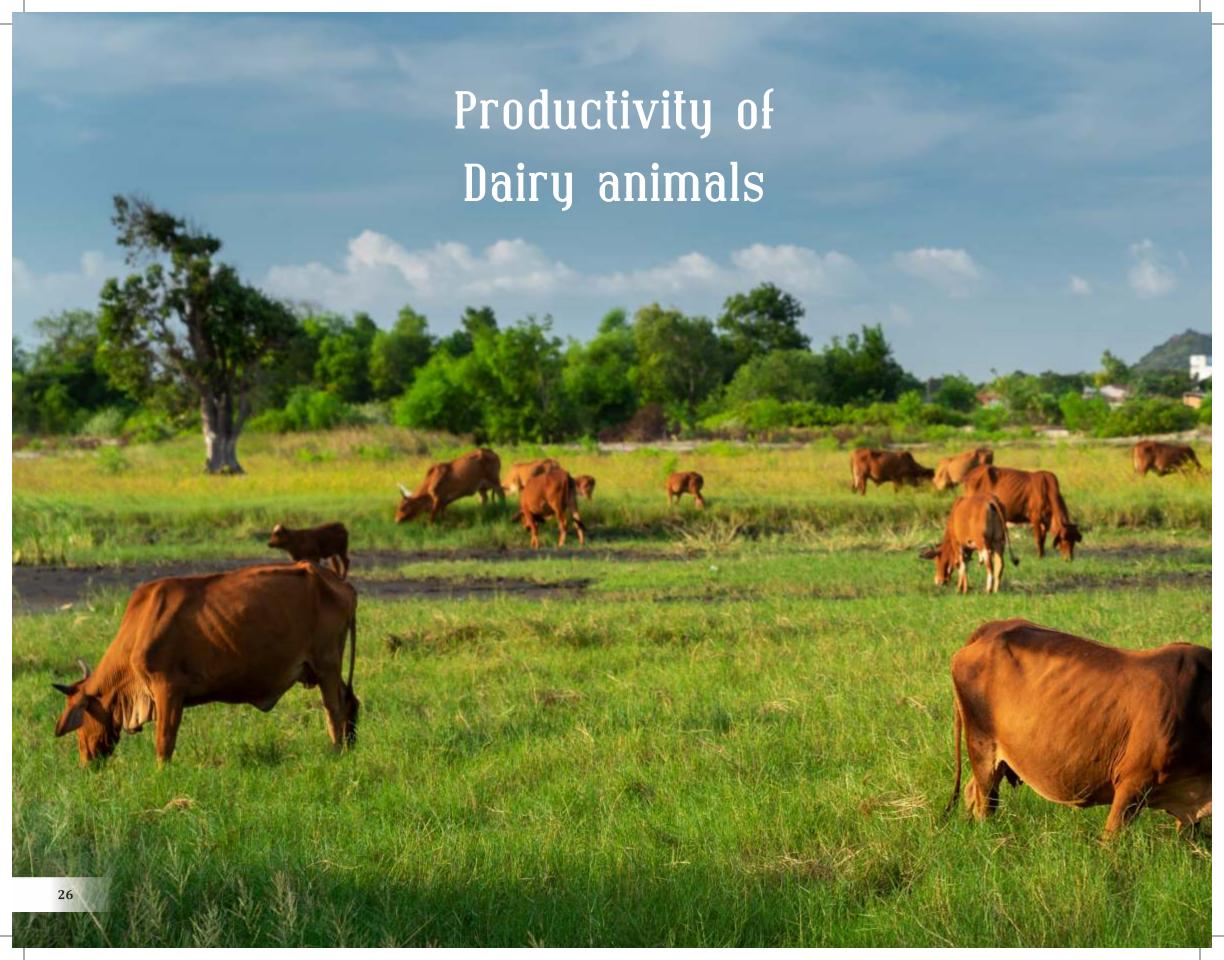


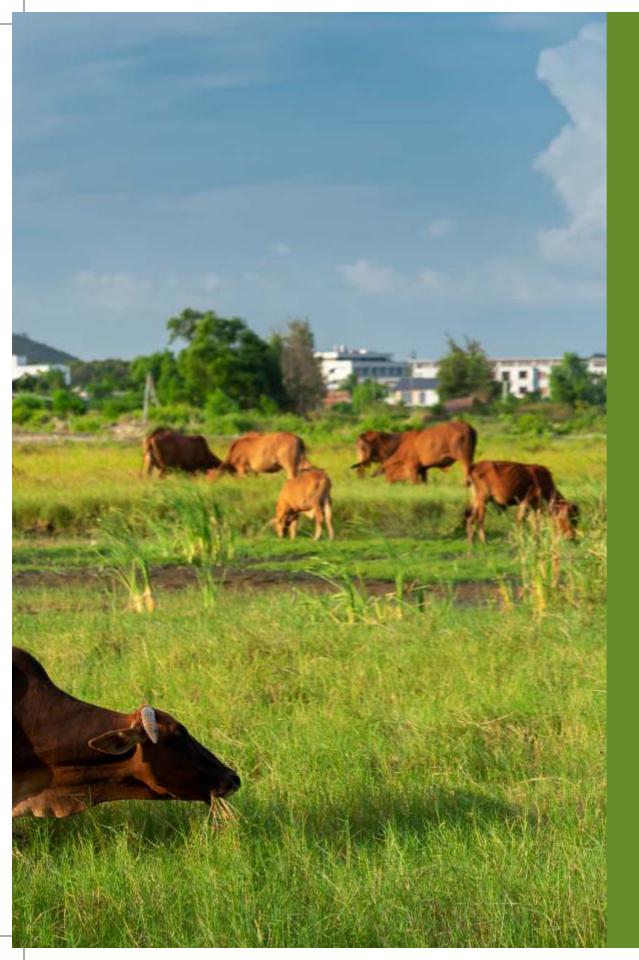
307 gms per day

444 gms per day

The per capita availability of milk was 444 gram per day in 2021-22 as against the world average of 394 grams per day.

Per capita availability has increased from 307 grams per person per day in 2013-14 to 444 grams per person per day in 2021-22 showing a growth of 38%.





Productivity of Indian dairy animals is 2048 Kg per year. Among indigenous cattle the average productivity is 4.07 kg per animal per day; while for non-descript cattle the average productivity is 2.83 kg per animal per day and for crossbred 8.32 kg per animal per day.

During the last 9 years average productivity of cattle and buffaloes increased by 24.3% from 1648.17 kg per animal per year during 2013-14 to 2048 kg per animal per year in 2021-22 which is the highest productivity growth in the world.

# Livestock Population

303.76 million\*
Bovine animals

India has the largest milch population in the world



148.88 million\* goats

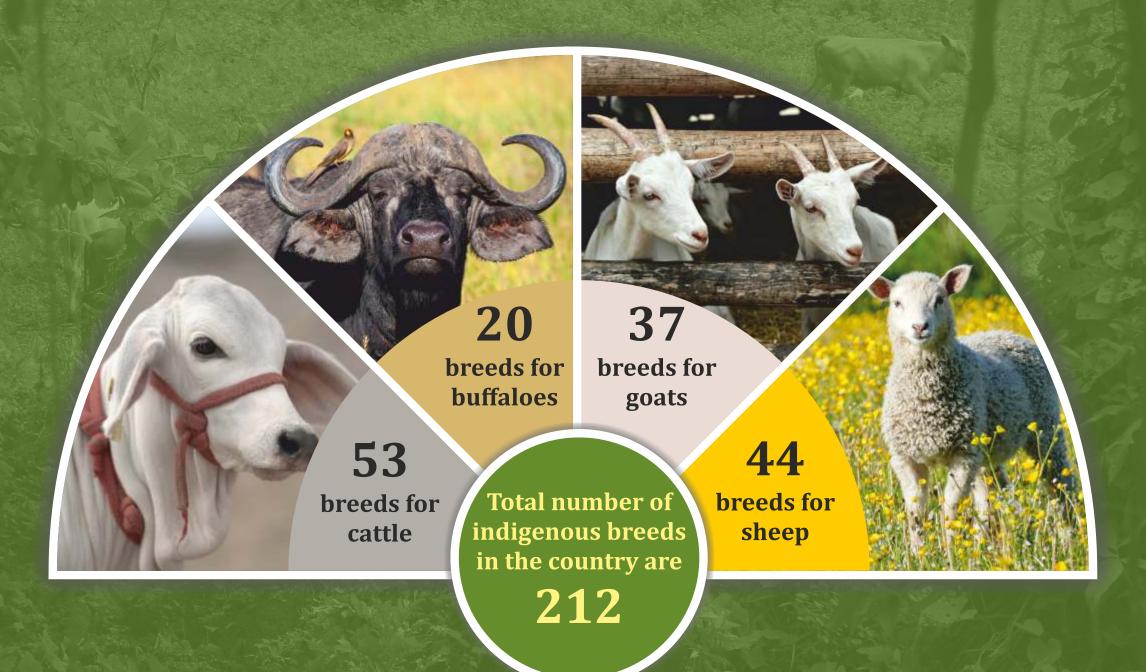


74.26 million\* sheep



\* in numbers

# India also has the largest Biodiversity in the livestock sector in the world



# Dairy Exports

The total size of the dairy market was about Rs. 13.17 lakh crore in 2021 and is likely to grow at about 15 % per annum during 2022-27 and is expected to reach about Rs. 30.84 lakh crore by 2027 as per the IMARC 2021 report. The liquid milk market represents about half of the total dairy market in the country. In the total liquid milk market, the share of organised sector has increased from 32 % to 41% in the last 3 years.

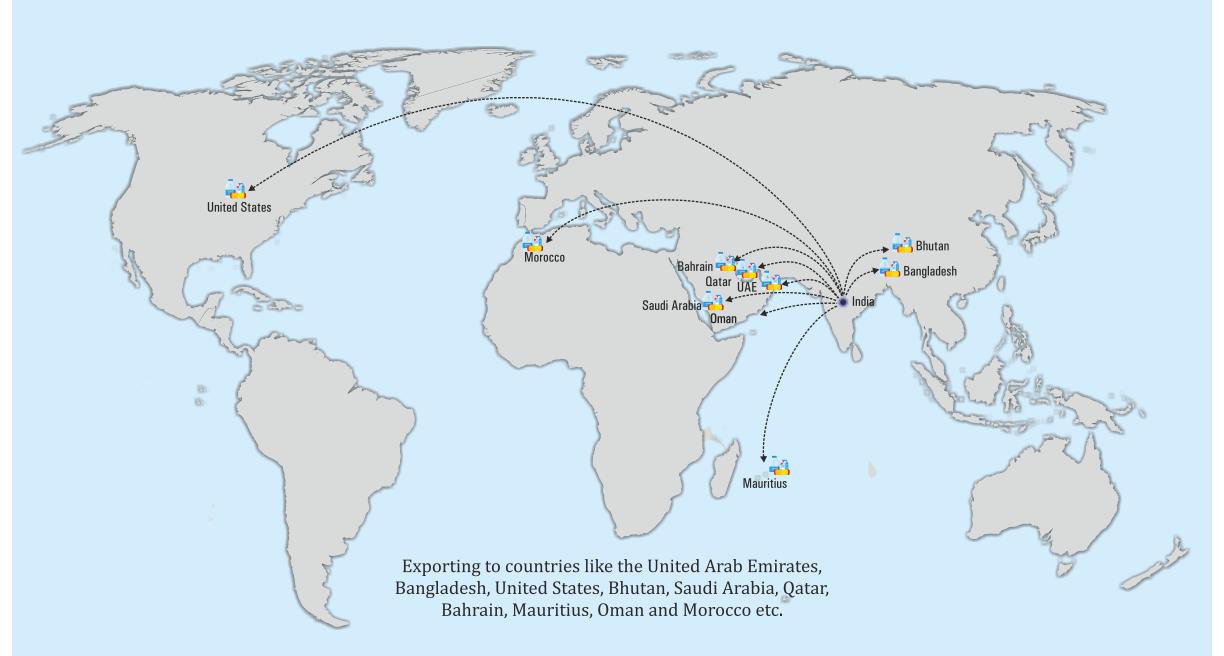
It is projected that market for liquid milk will grow by about 16% per annum during next 5-6 years while for products like cheese, flavoured milk, lassi, butter milk, whey and organic milk will grow at more than 20% per annum.



#### Indian dairy products like

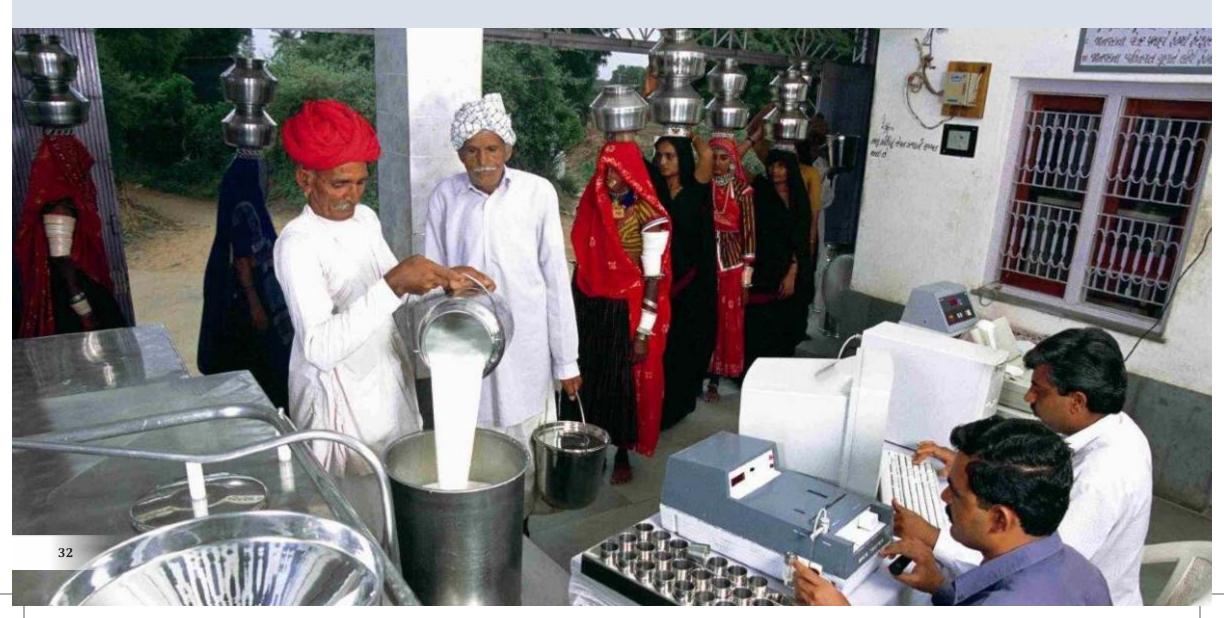
Cheese   Milk Powder   Casein   Ice Cream   Ghee	Cheese	Milk Powder	Casein	Ice Cream	Ghee
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have a great demand across continents.



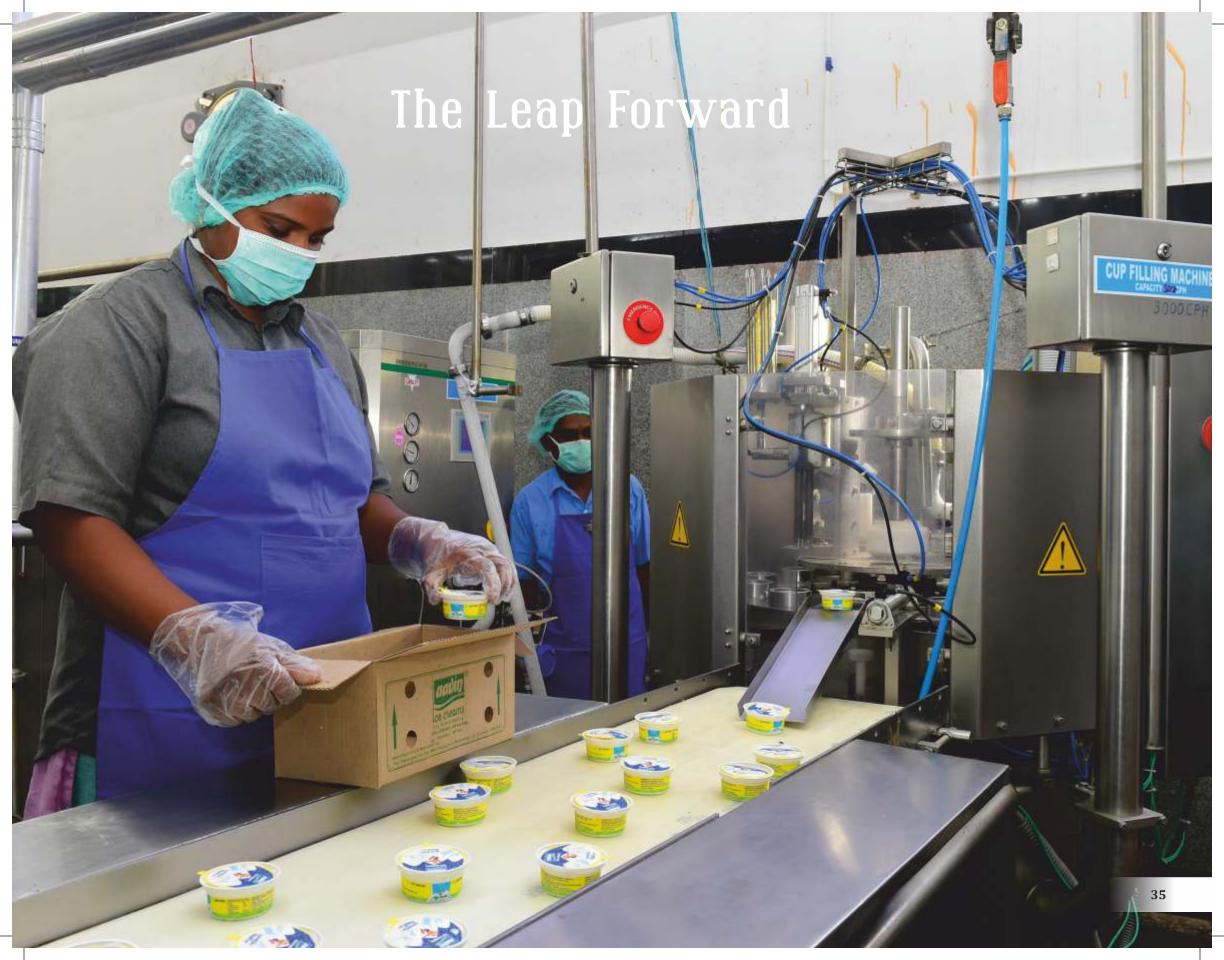
# Support System

The dairy sector in the country is farmercentric and driven by dairy cooperatives. Dairy cooperatives have been playing an important role in improving the livelihood of dairy farmers across the country. The smallholder milk producers not only get access to market right in their villages but also get support for the inputs. The dairy farmers receive about 75% of the consumer Rupee, which is the highest in the World. The strength of dairying as a robust livelihood option is not only because it generates stable income but also due to its resilience to shocks, ensuring food security and reduction in inequality in society.









The Government of India has played a crucial role in driving the dairy sector to unprecedented success, bringing about a wave of change and advancement through a plethora of governmental programs that have had a profound impact on the growth and progress of the dairy industry in India.



# New Vision... milestone steps

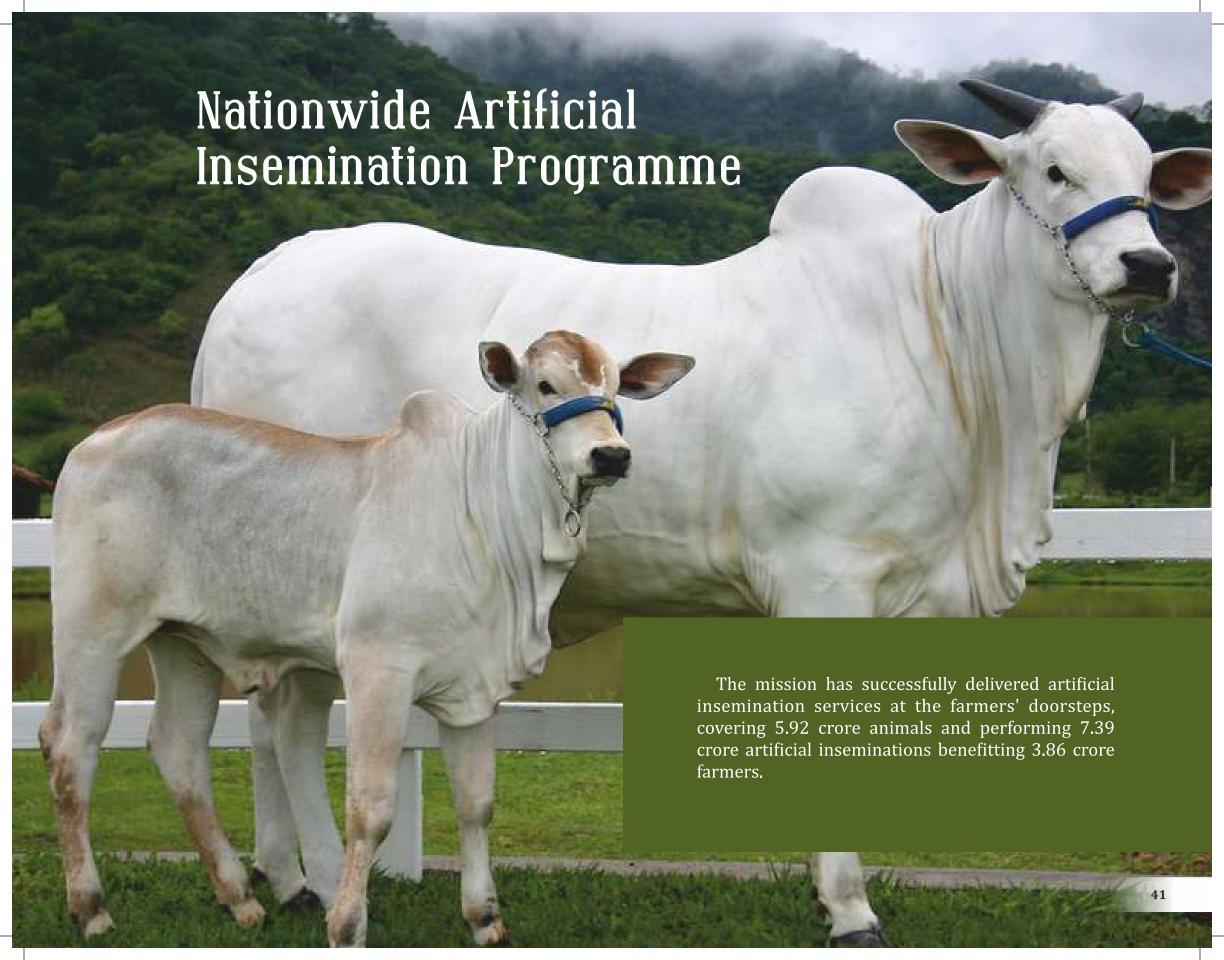


Recognizing the importance and immense potential of the livestock sector, Government of India created an independent Ministry of Fisheries, Animal Husbandry and Dairying (MoFAH&D) in May 2019.

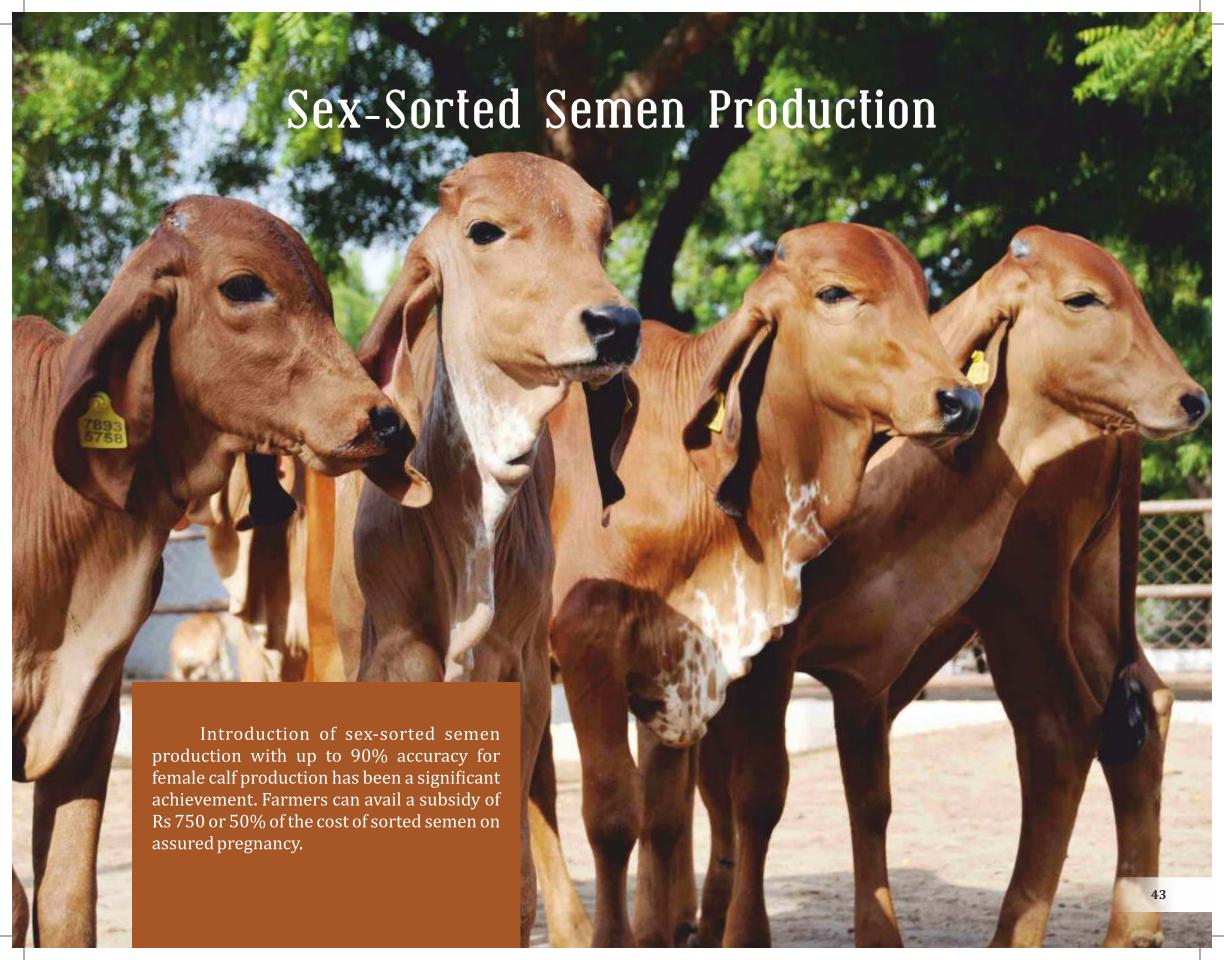


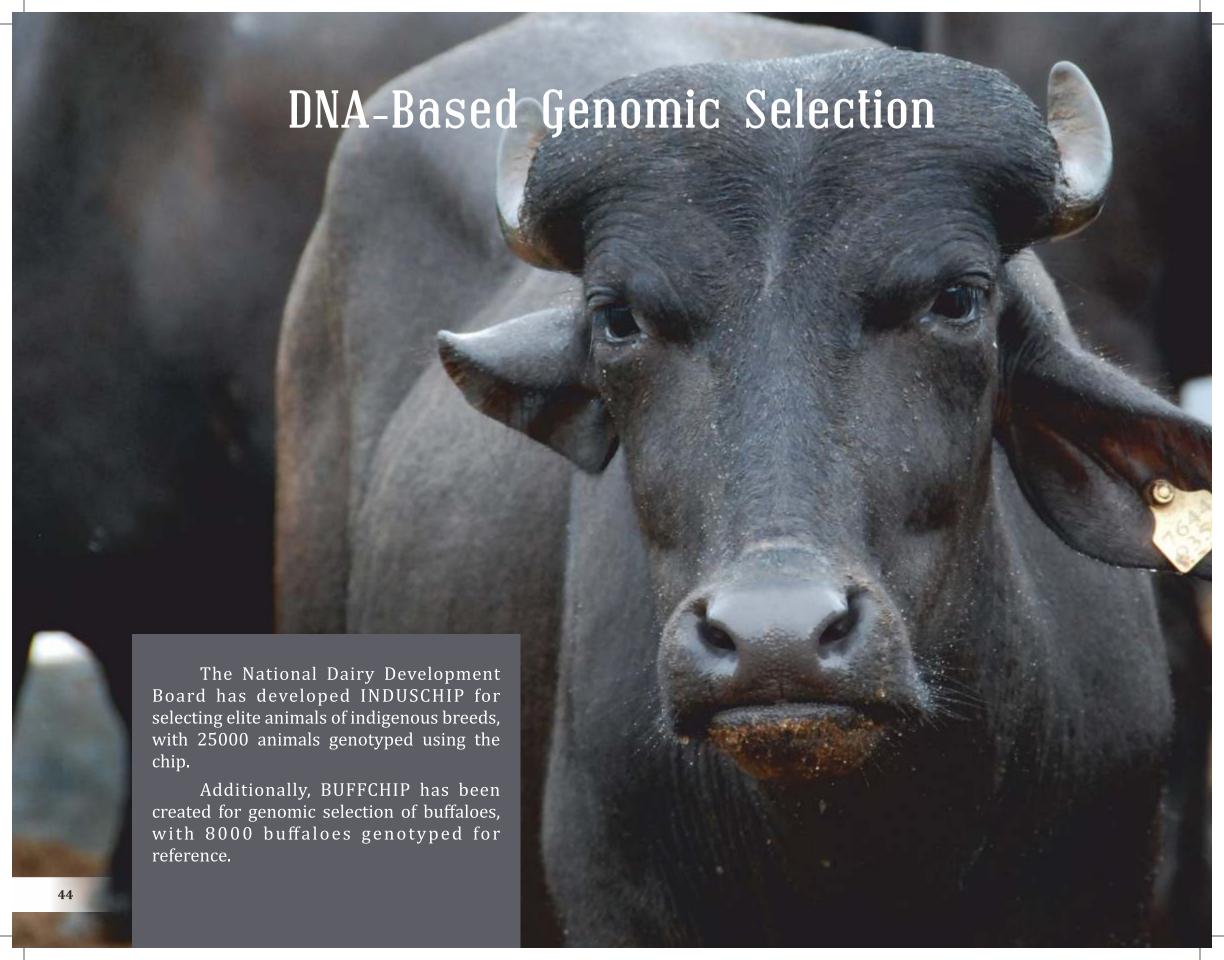


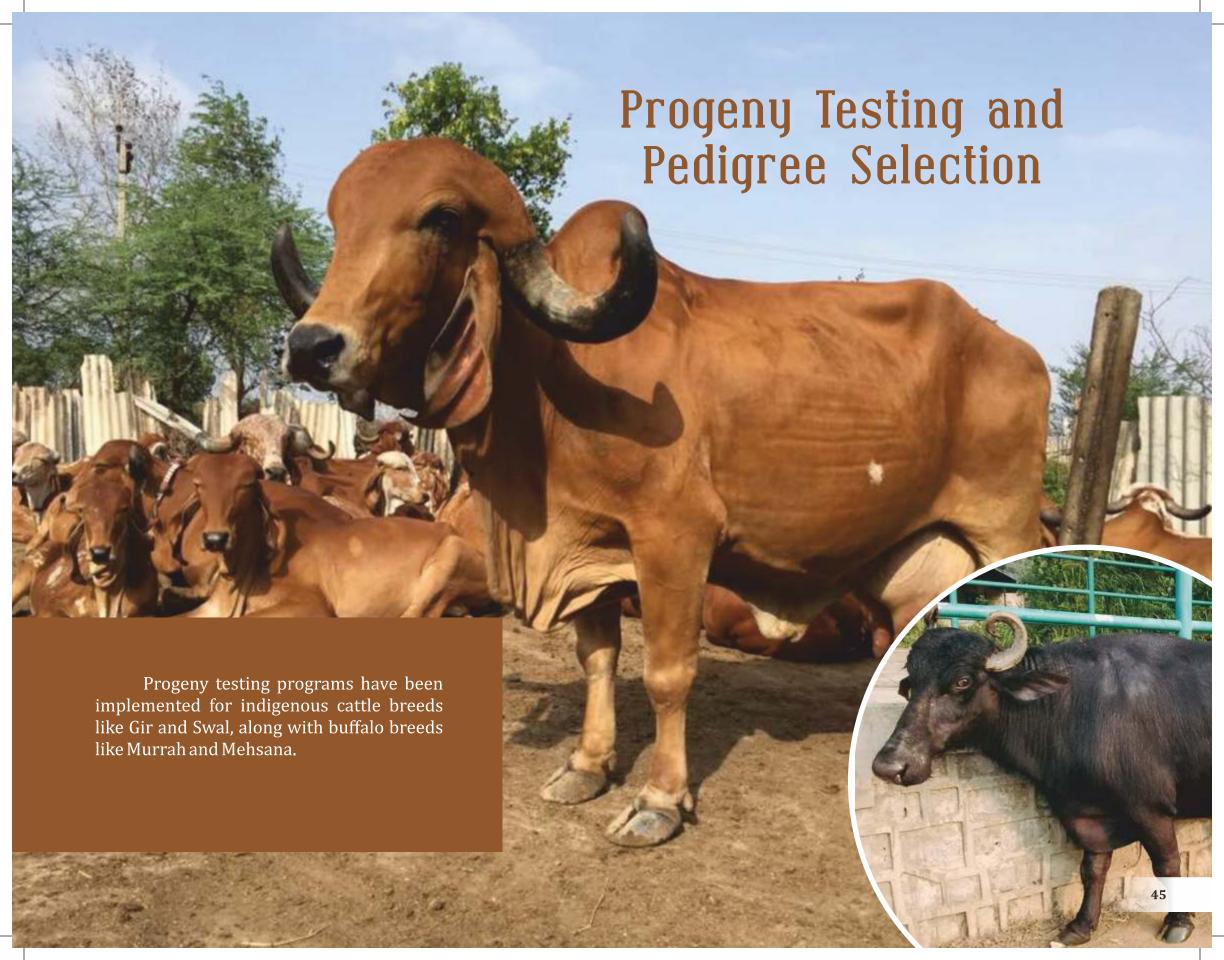


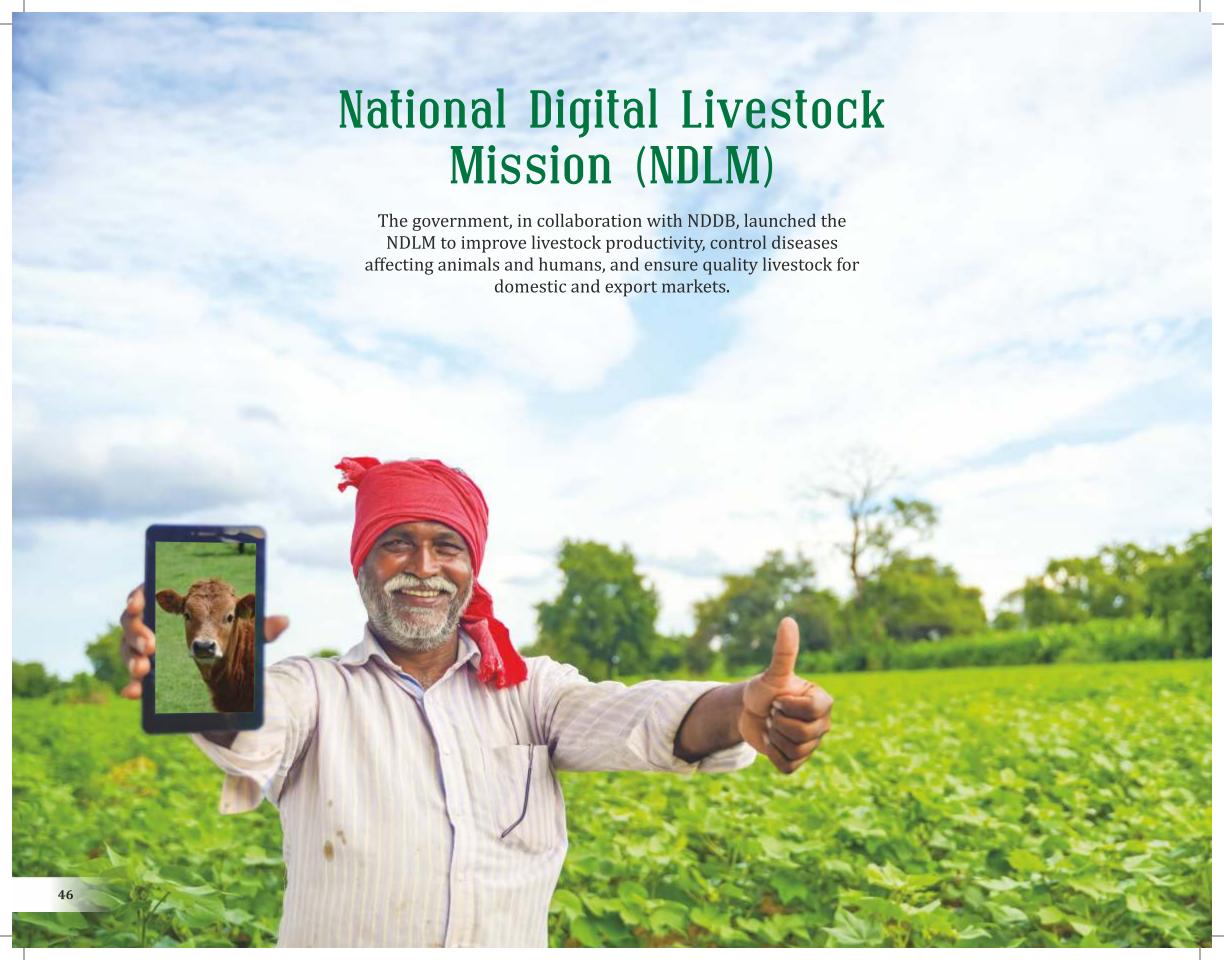










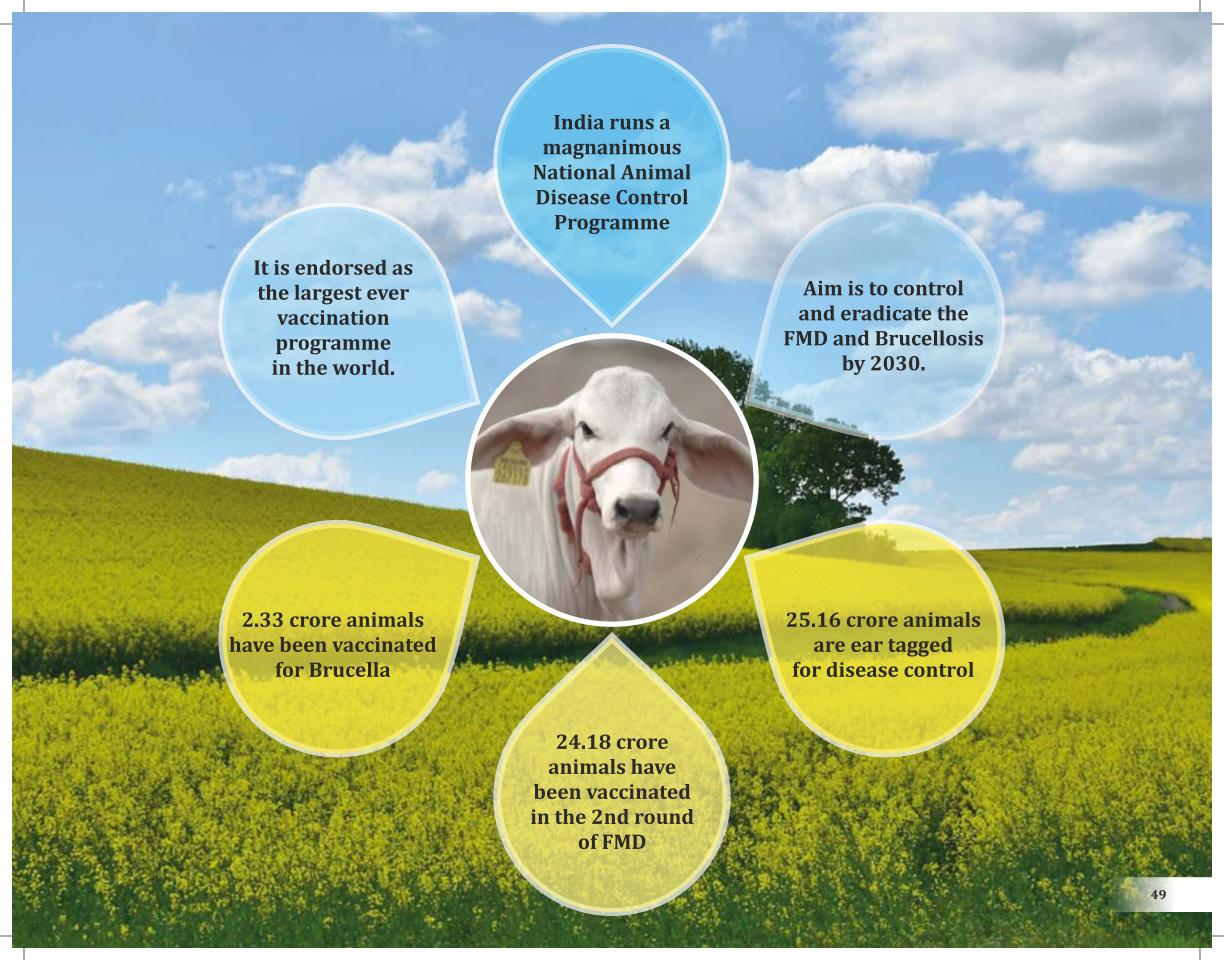




#### **Breed Multiplication Farms**

Private entrepreneurs are provided a 50% subsidy (up to Rs 2 crore per farm) for establishing breed multiplication farms.









मोबाइल पशु चिकित्सालय Mobile Veterinary Clinic

**MVUs are customized** vehicles with diagnostic and treatment equipment, audio visual aids, and basic necessities for animal care

> 2119 MVUs have been flagged off in 17 States/UTs

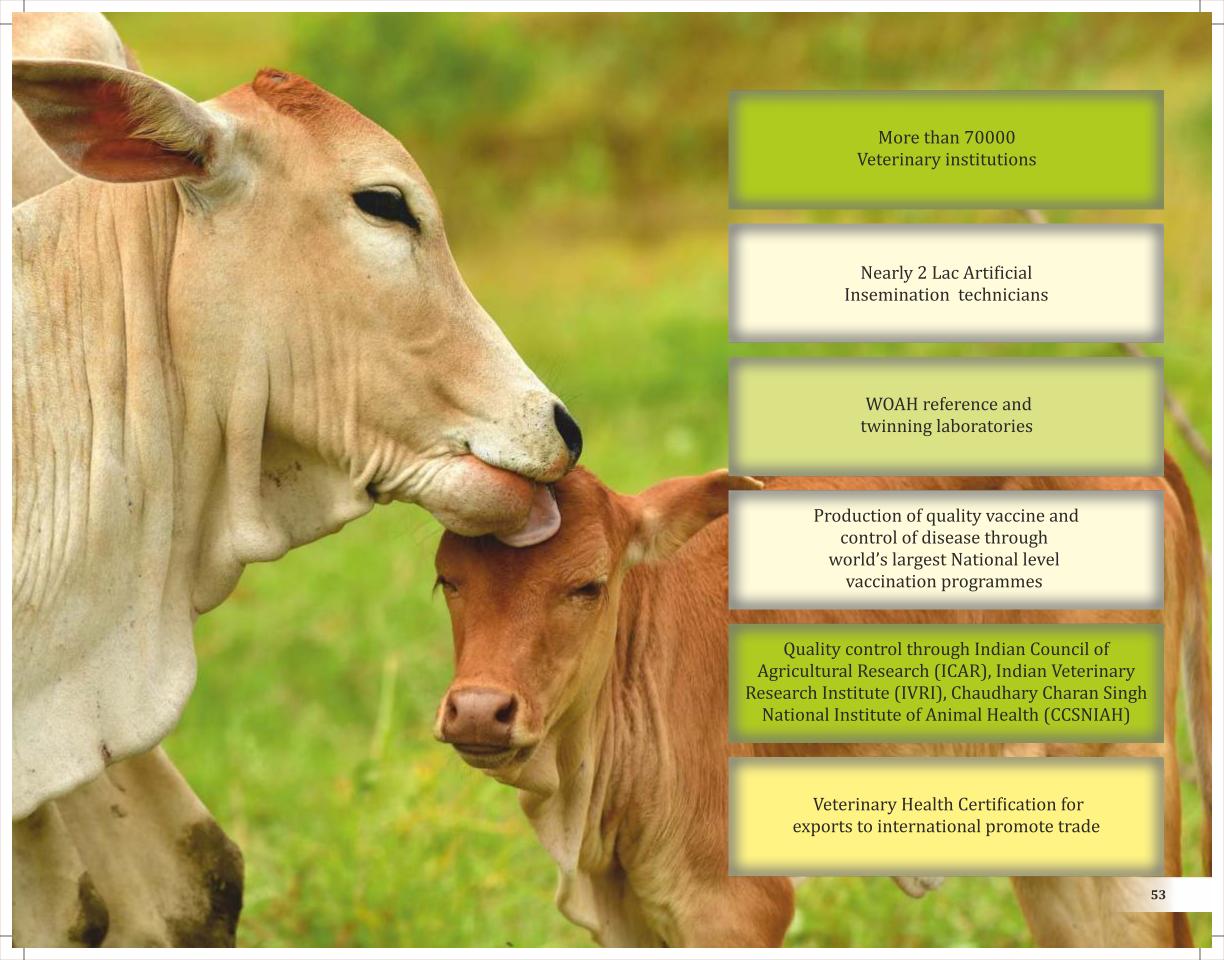
**1587 MVUs** are operational in 11 States

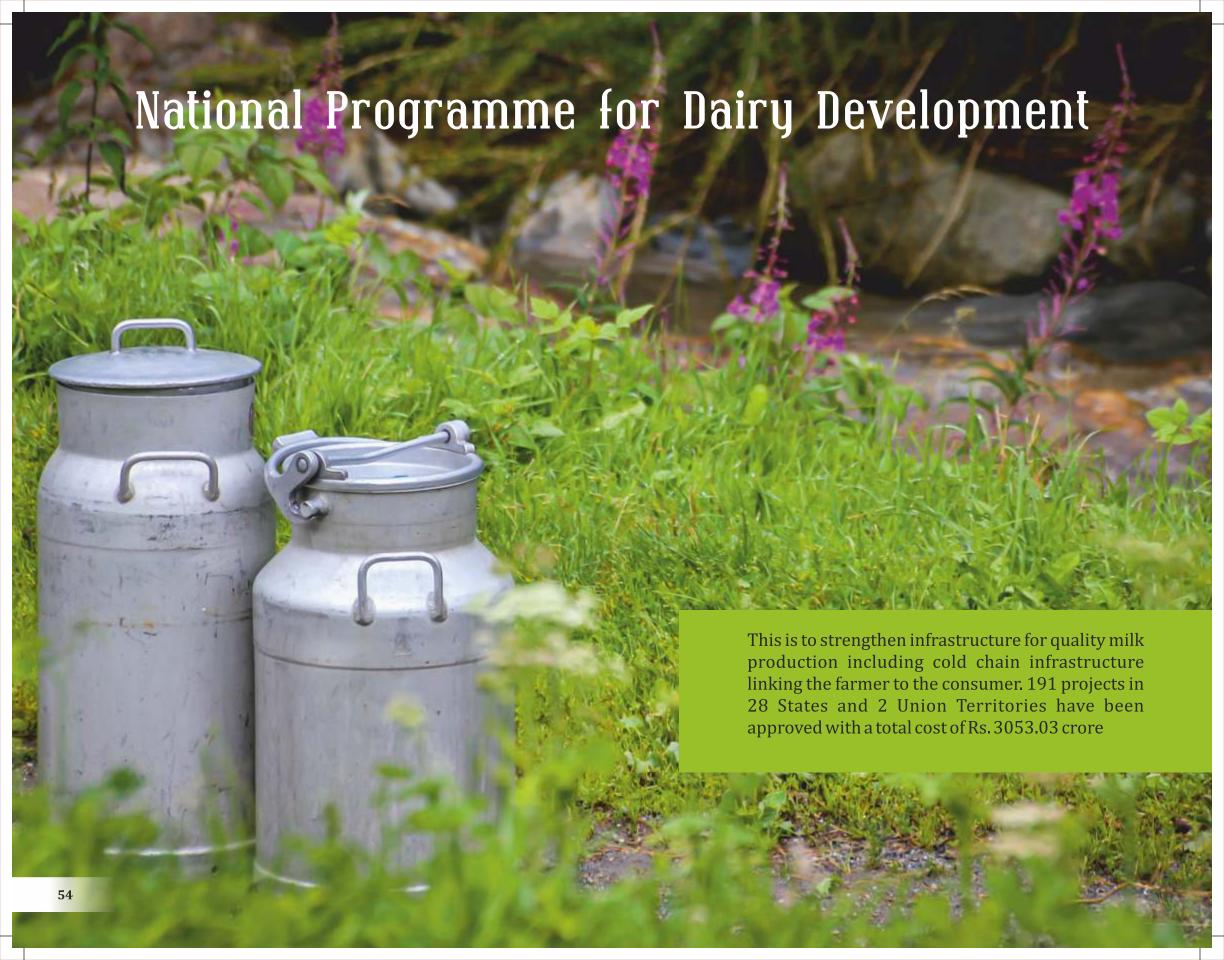
In order to increase accessibility of Veterinary. Services at the farmer's doorstep MVUs were pressed in service from 2021-22. MVUs provide veterinary services at the farmer's doorstep based on phone calls received at the call centre



### Veterinary Services and Infrastructure

India has a robust Veterinary Infrastructure, Veterinary Services and doorstep services to livestock farmers. Well knitted Veterinary Services, disease surveillance and diagnosis minimize risks to the food chain, from the 'farm to fork"







#### Dairy Processing & Infrastructure Development Fund

Dairy Processing & Infrastructure Fund focuses on modernizing milk processing, chilling, and value addition infrastructure with a total outlay of Rs. 6776.86 crore.



#### Animal Husbandry Infrastructure Development Fund

This fund incentivizes investments in dairy processing, meat processing, animal feed plants, and breed improvement technology with an outlay of Rs. 15,000 crore. Banks have directly sanctioned 322 projects with a total project cost of Rs. 8205.71 crore.









More than 27.65 lakh fresh Kisan Credit Cards have been sanctioned for dairy farmers associated with milk cooperatives and milk producer companies to meet their working capital requirements.





India's small-holder and mixed dairy system of milk production is globally the most sustainable system. The cattle and buffaloes are usually fed agricultural by-products and kitchen leftovers which does not compete with human food production.

During the last 10 years, efforts to promote sustainable dairy farming practices to reduce the carbon footprint have gained momentum. Sustainable feed production, waste management, and energy efficiency have been in focus to make dairying more and more environment friendly.



## Farmer Producer Organisations

'Formation and Promotion of 10,000

Farmer Producer Organisations (FPOs)' is underway in the country including Fodder Plus FPOs and Beekeepers' FPOs.



#### Multi-State Cooperatives

In January 2023, three new national level multi state Cooperative Societies were set up i.e. National Cooperative Organics Limited (NCOL), Bharatiya Beej Sahakari Samiti Limited (BBSSL) and National Cooperative Exports Limited (NCEL).

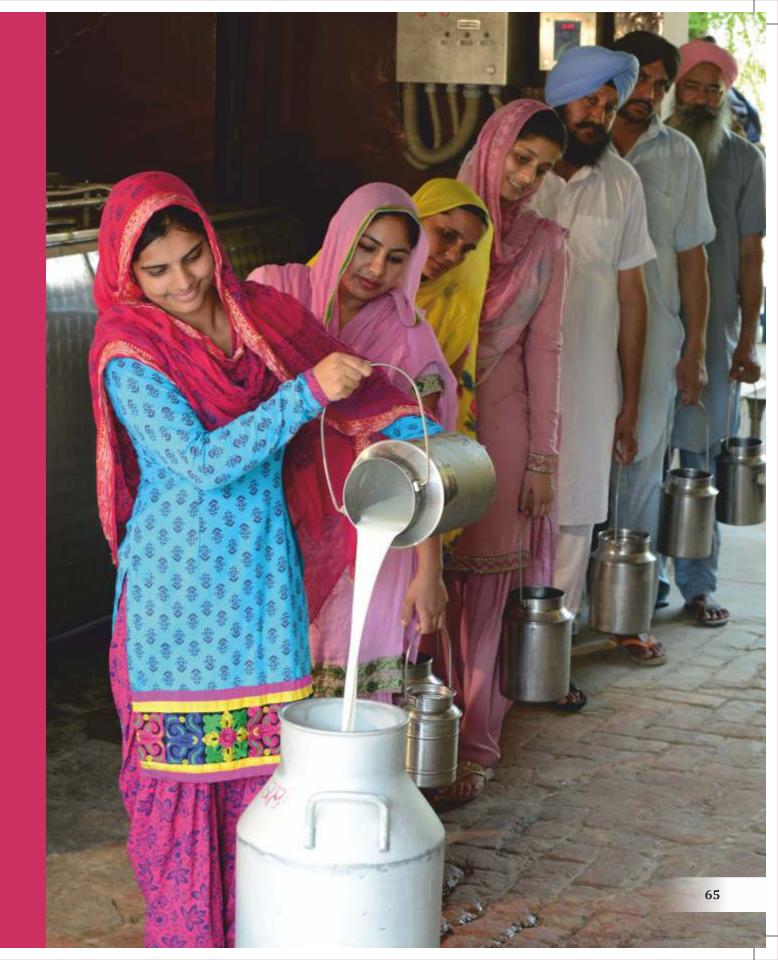
NCOL will help India realise its potential to become a global leader in organic products under the vision and mission of Local to Global.

The vision of BBSL is to act as a National level Apex Organisation for producing, processing, storage, marketing, branding, labelling, distribution and research and development of quality seeds produced by the cooperatives/other entities and to offer better prices to farmers as well as other stakeholders.



Cooperative Societies and farmer producer organizations engaged in dairy activities are assisted by providing soft working capital loans to tide over crisis situations on account of adverse market conditions or natural calamities. 60 milk unions across the country have received a helping hand.

NDDB provided Rs 527.13 cr. Interest Subvention for Rs 38,978.51 cr. working capital loans to 60 milk unions at 2% annual interest.

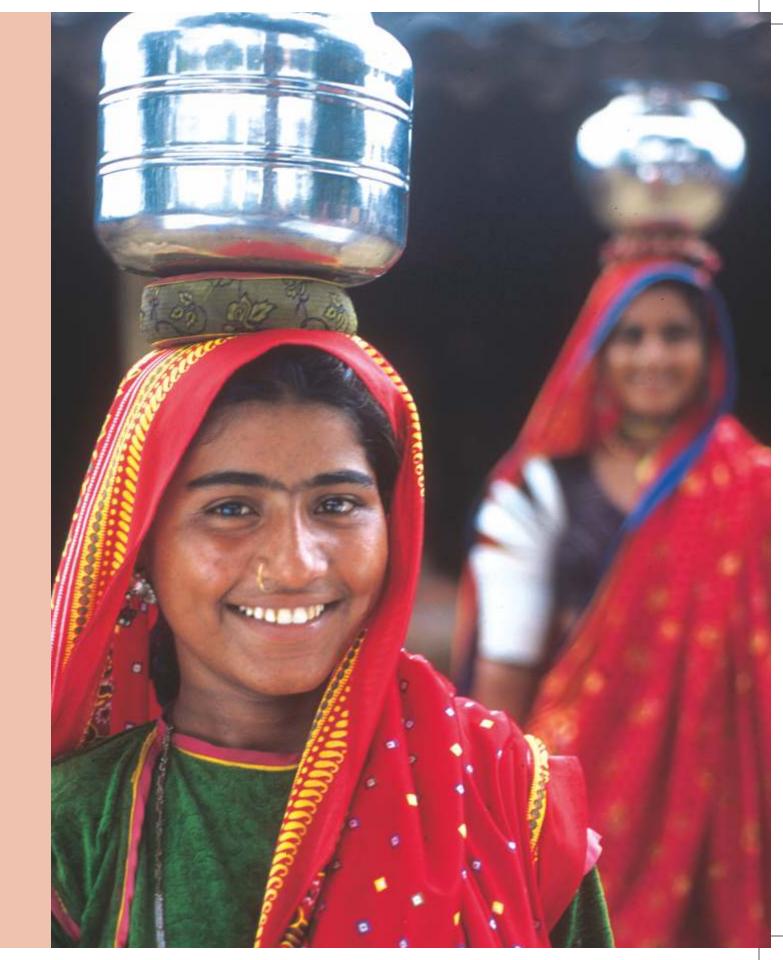






The Co-operatives have provided this unique opportunity to women at the grassroot level providing them social and financial empowerment, instilling confidence and leadership qualities.

Today about 60 Lakh women are members of the Dairy Cooperatives representing almost 34% of the total membership. One-fourth of the women members have been added in the last 10 years. Women participation at such scale is unparalleled in any other large organized sector in the country.







Novel model for women empowerment in livestock Sector.

Trained SHG members serve as Livestock Resource Persons and Primary Service Providers.





One of the highest National Awards in the field of livestock and dairy sector. Its objective is to recognize and encourage all individuals like farmers (rearing indigenous animals), Artificial

Insemination Technicians and Dairy cooperative societies / Milk Producer Companies / Dairy Farmers Producers Organizations working in this sector.





in dairy
development is
not measured in
terms of milk,
but in terms of
changing
lives 55

-Dr. Verghese Kurien







