

GOVERNMENT OF INDIA
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY & DAIRYING
DEPARTMENT OF ANIMAL HUSBANDRY & DAIRYING
LOK SABHA
UNSTARRED QUESTION No. 1193
TO BE ANSWERED ON 11th FEBRUARY 2025

DAIRY VALUE CHAIN

1193. SHRI VE VAITHILINGAM:

Will the Minister of FISHERIES, ANIMAL HUSBANDRY AND DAIRYING

मत्स्यपालन, पशुपालन और डेयरी मंत्री

be pleased to State:

- (a) whether the Indian dairy sector serves as a source of nutrition for millions and provides additional employment and income opportunities to millions of rural farmer households, if so, the details thereof and if not, the reasons therefor;
- (b) whether the Government concurs with the view that there is a need to strengthen the dairy value chain right from quality feed, breed, processing, value addition to market linkages; and
- (c) if so, the details of the steps proposed to be taken by the Government in this regard and if not, the reasons therefor?

ANSWER

THE HON'BLE MINISTER OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
(SHRI RAJIV RANJAN SINGH ALIAS LALAN SINGH)

(a) Yes, Sir. Animal Husbandry is an important sub-sector of Indian agricultural economy and plays a multifaceted role in providing nutrition and livelihood support to the rural population. Milk plays an important role in nutritional security as it is important source of animal protein. Milk is a near complete food and has high nutritive value. It contains body building proteins, bone forming minerals, health giving vitamins, furnishes energy giving lactose and milk fat. Milk and dairy products are vital sources of nourishment for billions globally, benefiting people of all ages, from young children to older adults, by supporting health and active lifestyles. Nutrient-dense and energy-rich, milk provides high-quality protein along with essential micronutrients, including calcium, magnesium, potassium, zinc, and phosphorus, all in forms that the body can readily absorb. Numerous studies highlight the key role of milk and dairy in supporting healthy nutrition and development throughout life, particularly during childhood. As of date per capita availability of milk has increased to 471 gram / day higher than, ICMR recommendation of 300 gram/ day. The livestock sector apart from contributing to national economy in general and to agricultural economy in particular also provides employment generation opportunities, asset creation, handling mechanism against crop failure and social and financial security. The benefit of the schemes has been accruing to all farmers engaged in dairying in terms of enhancement in milk production and productivity of bovines. Value of output of milk is more than Rs.11.16 lakh crore during 2022-23 (As per National Accounts Statistics 2024) which is the highest of the agriculture produce and even more than the combined value of Paddy and Wheat. The schemes are playing important role in enhancing milk production and productivity of bovines to meet growing demand of milk and making dairying more remunerative to the rural farmers of the country.

(b) and (c) Yes, Sir. In order to strengthen the dairy value chain right from quality feed, breed, processing, value addition to market linkages the following steps are undertaken by Government of India:

1. **Rashtriya Gokul Mission:** Department of Animal Husbandry and Dairying, Government of India is implementing Rashtriya Gokul Mission since December 2014 for development and conservation of indigenous breeds, genetic upgradation of bovine population

and enhancement of milk production and productivity of bovines. Following steps are taken under the scheme to enhance milk production and productivity of bovines:

(i) **Nationwide Artificial Insemination Program:** Under the Rashtriya Gokul Mission, the Department of Animal Husbandry and Dairying, Government of India is expanding artificial insemination coverage to boost the milk production and productivity of bovines, including indigenous breeds. As on date, 8.32 crore animals have been covered, with 12.20 crore artificial inseminations performed, benefiting 5.19 crore farmers.

(ii) **Progeny Testing and Pedigree Selection:** This program aims to produce high genetic merit bulls, including bulls of indigenous breeds. Progeny testing is implemented for Gir, Sahiwal breeds of cattle, and Murrah, Mehsana breeds of buffaloes. Under the Pedigree selection programme Rathi, Tharparkar, Haryana, Kankrej breed of cattle and Jaffarabadi, Nili Ravi, Pandharpuri and Banni breed of buffalo are covered. So far 3,988 high genetic merit bulls have produced and inducted for semen production.

(iii) **Implementation of In-Vitro Fertilization (IVF) Technology:** To propagate elite animals of indigenous breeds, the Department has established 22 IVF laboratories. The technology has important role in genetic upgradation of bovine population in single generation. Further, to deliver technology at reasonable rates to farmers Government has launched indigenously developed IVF media.

(iv) **Sex-Sorted Semen Production:** The Department of Animal Husbandry and Dairying, Government of India has established sex sorted semen production facilities at 5 government semen stations located in Gujarat, Madhya Pradesh, Tamil Nadu, Uttarakhand and Uttar Pradesh. 3 private semen stations are also producing sex sorted semen doses. So far 1.15 crore sex-sorted semen doses from high genetic merit bulls have been produced and made available for Artificial Insemination.

(v) **Genomic Selection:** To accelerate genetic improvement of cattle and buffaloes, the Department has developed unified genomic chips—Gau Chip for indigenous cattle and Mahish Chip for buffaloes—specifically designed for initiating genomic selection in the country.

(vi) **Multi-purpose Artificial Insemination Technicians in Rural India (MAITRIs):** Under the scheme MAITRIs are trained and equipped to deliver quality Artificial Insemination services at farmers' doorstep. During the last 3 years 38,736 MAITRIs have been trained and equipped under Rashtriya Gokul Mission.

(vii) **Accelerated Breed Improvement Programme using sex sorted semen:** This program aims to produce female calves with up to 90% accuracy, thereby enhancing breed improvement and farmers' income. Farmers receive support for assured pregnancy upto 50% of the cost of sex sorted semen. As of now, 341,998 farmers have been benefited from this program. Government has launched indigenously developed sex sorted semen technology to deliver sex sorted semen at reasonable rates to farmers.

(viii) **Accelerated Breed Improvement Programme using In-Vitro Fertilization (IVF) technology:** This technology is utilized for the rapid genetic upgradation of bovines and an incentive of Rs 5,000 per assured pregnancy is made available to farmers interested in taking up IVF technology.

2. **National Livestock Mission (NLM):** The Department of Animal Husbandry and Dairying, Government of India is implementing NLM scheme since the financial year 2014-15. In view of the present need of the sector the NLM scheme has been revised and realigned from financial year 2021-22. The National Livestock Mission along with along other components and subcomponents of the scheme covers Sub-Mission on feed and fodder development.

The Sub-Mission of the feed and fodder is covering the following activities:

Activity I: Assistance for quality Fodder seed production: 100% incentivization for production of all categories of fodder seed production by Central and State Govt. institutions;

Activity II: Entrepreneurial activities in feed and fodder: One time 50% capital subsidy up to Rs 50 lakh is provided to the Individuals. SHG, FCOs JLG, FPOs, Dairy Cooperative societies, section 8 companies are incentivized for the value addition such as Hay/Silage/Total Mixed Ration(TMR)/ Fodder Block.

Activity III: Establishment of Entrepreneurs for Fodder Seed processing Infrastructure (processing and grading unit/ fodder seed storage godown): One time 50% capital subsidy up to Rs 50 lakh is provided to companies, start-ups/ SHGs/FPOs/FCOs/JLGs/ Cooperative societies Section 8 companies and other credible organizations for establishing fodder seed processing infrastructure.

Activity IV: Fodder production from Non-Forest Wasteland / Rangeland / Non-arable Land” and “Fodder Production from Forest Land: The Central assistance is provided for production of various fodder in the degraded non-forest wasteland / rangeland / grassland/ non-arable land and forest land to enhance the vegetation cover of problematic soils like saline, acidic and heavy soil.

The Scheme National Livestock Mission also provides assistance to States/ UTs for livestock Insurance and component is implemented on 60:40 sharing basis between the Central Government and States and 90:10 sharing basis for North-Eastern and Himalayan States. Along with other livestock species dairy animals including cattle buffaloes are covered under the component.

3. National Programme for Dairy Development: This scheme focuses on creating dairy infrastructure for the procurement, processing, and marketing of milk and milk products in the cooperative dairy sector inter alia training and awareness programs for dairy farmers, input services such as cattle-feed and mineral mixtures, and assistance for quality testing of milk and milk products, thereby improving the economic condition of dairy farmers enrolled in cooperatives.

4. Livestock Health and Disease Control (LH & DC): The scheme is implemented for providing assistance for control of animal diseases like Foot and Mouth Disease, Brucellosis and also to provide assistance to State Governments for Control of other infectious diseases of livestock including dairy animals. Mobile Veterinary Units are established under the scheme to deliver quality livestock health services at farmers doorstep. Under the vaccination programme: (i) more than 100 crore vaccinations have been done against FMD including 35 crore vaccination performed during current year; and (ii) about 4.3 crore calves vaccinated against Brucellosis under brucellosis control programme including 1.3 crore calves vaccinated during current year. Under the component of Establishment and Strengthening of Veterinary Hospitals and Dispensaries (ESVHD- MVU), 100% financial assistance is provided towards procurement & customization of Mobile Veterinary Units (MVUs) with recurring operational expenditure in the ratio of 90:10 for North Eastern & Himalayan States; 60% for other States, and 100% for UTs for delivery of veterinary healthcare services through Mobile Veterinary Units (MVUs) through a Toll-Free Number (1962) at farmers’ doorsteps which include disease diagnosis, treatment, vaccination, minor surgical interventions, audio-visual aids and extension services. So far, 4016 MVUs are operational in 28 states and 65 lakh farmers benefitted.

5. Animal Husbandry Infrastructure Development Fund (AHIDF) The scheme is to facilitate incentivisation of investments to establish (i) Dairy processing and product diversification infrastructure, (ii) Meat processing and product diversification infrastructure and (iii) Animal Feed Plant (iv) Breed Improvement Technology and Breed Multiplication Farm, (v) Veterinary Vaccine and Drugs production facilities, (vi) Animal waste to wealth management (Agri-waste Management). Keeping in view of the success of AHIDF, the erstwhile Dairy Processing Infrastructure Development Fund has been subsumed with the AHIDF on 01.02.2024. Now total size of the fund is Rs 29110 crore. So far 131 projects of dairy processing with the total project cost of Rs 5976 crore has been sanctioned under the scheme and 77 breed improvement projects with the total project cost of Rs 1027.82 crore.
