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Rashtriya Gokul Mission

(Ministry of Fisheries, Animal Husbandry & Dairying)

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“Environment and livestock have always been a very important part of India's economic thinking. This is the reason why be it Swachh Bharat Mission, Jal Jeevan Mission, or encouraging agriculture and animal husbandry, we are moving towards a strong and New India by balancing nature and economic development.”

- [Prime Minister Shri Narendra Modi](#)

Introduction:

Under the leadership of Prime Minister Shri Narendra Modi, “Rashtriya Gokul Mission”, a new initiative under National Programme for Bovine Breeding and Dairy Development was launched in December 2014 for the first time in the country, with a view to conserve and develop indigenous bovine breeds.¹

The scheme is important 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.²

The scheme is also continued under umbrella scheme Rashtriya Pashudhan Vikas Yojna from 2021 to 2026 with a budget outlay of Rs. 2400 crore. The RGM will result in enhanced productivity and benefits of the programme will percolate to all cattle and buffaloes of India especially with small and marginal farmers. This programme will also benefit women in particular since over 70 per cent of the work involved in livestock farming is undertaken by women.³

Need for conservation of indigenous breeds⁴

- India has 299.6 million bovine population out of which 190.9 million are cattle and 108.7 million are buffaloes.
- Of this, 80 per cent of cattle are indigenous and non-descript breeds.
- The bovine genetic resource of India is represented by 41 registered indigenous breeds of cattle and 13 registered buffalo breeds.
- Indigenous bovine is robust and resilient and are particularly suited to the climate and environment of their respective breeding tracts.
- The milk of indigenous animals is high in fat and SNF (solids not fats) content.

¹ [Organizations- Kamdhenu Awards -Guidelines.pdf \(dahd.nic.in\)](https://dahd.nic.in/sites/default/files/Kamdhenu%20Awards%20Guidelines.pdf)

² https://dahd.nic.in/sites/default/files/Annual%20Report%202020-21%20%28English%29_30.06.21%5D.pdf

³ <https://dahd.nic.in/SCHEME/RGM>

⁴ <https://dahd.nic.in/sites/default/files/rgm.pdf>

- There are also studies to suggest that the productivity of indigenous breeds will be impacted to a much lesser extent than exotic animals due to climate change.
- However, the number of indigenous animals is declining and some breeds like Punganur have become threatened.
- For this purpose, RGM has been initiated to promote conservation and development of indigenous breeds.



Objectives of RGM⁵

- Development and conservation of indigenous breeds
- Breed improvement programme for indigenous breeds so as to improve the genetic makeup and increase the stock
- Enhancing milk production and productivity of bovine population by increasing disease free high genetic merit female population and check on spread of diseases
- Upgrading nondescript cattle using elite indigenous breeds like Gir, Sahiwal, Rathi, Deoni, Tharparkar, Red Sindhi
- Distribution of disease-free high genetic merit bulls for natural service
- To bring all breedable females under organized breeding through (Artificial Insemination) AI or natural service using germ plasm of high genetic merits.
- To arrange quality Artificial Insemination (AI) services at farmers' doorstep
- To create e-market portal for bovine germplasm for connecting breeders and farmers
- To increase trade of livestock and livestock products by meeting out Sanitary and Phyto sanitary (SPS) issues
- To select breeding bulls of high genetic merit at a young age through application of genomics

⁵ <https://dahd.nic.in/sites/default/files/rgm.pdf>

Components of RGM:

Following major component are covered under RGM:

(1) Breed Improvement by Modern Reproductive Techniques:

- [Establishment of Embryo Transfer Technology.](#)
- [Sex sorted Semen Production](#)
- Establishment of National Bovine Genomic Centre for Indigenous breeds.

(2) Enhancement of Production and Productivity

- Field Performance recording
- [Progeny Testing](#)
- [Pedigree Selection](#)

(3) Extension of Artificial Insemination (AI) Coverage

- Establishment of MAITRI (Multi-purpose Artificial Insemination Technicians in Rural India) Centers
- Strengthening of existing AI Centers
- Strengthening LN storage, transport and distribution system
- Training of existing AI technicians

(4) Awareness Programmes

- [Nationwide Artificial Insemination Programme](#)
- Organisation of Fertility camps
- [Launch of e-Gopala App](#)
- Awards to Farmer (Gopal Ratna/ Kamdhenu)

(5) Conservation of Indigenous Breeds

- Establishment of Gokul Gram/ Integrated Cattle Development Centre
- Establishment of [National Kamdhenu Breeding Centres.](#)

- For detailed information on components of Rashtriya Gokul Mission, [click here](#) (page number 17-18)
- For detailed information on Operational guidelines of RGM, [click here.](#)

Funding Pattern & Budget

All the components of Scheme will be implemented on 100 per cent grant-in-aid basis except the components of:

- Accelerated breed improvement programme under the component subsidy of Rs 5000 per IVF pregnancy will be made available to participating farmers as Government of India share.
- Promoting sex sorted semen under the component subsidy up to 50 per cent of the cost of sex sorted semen will be made available to participating farmers.
- Establishment of breed multiplication farm under the component subsidy up to 50 per cent of the capital cost maximum up to Rs.2.00 crore of the project will be made available to entrepreneur.⁶

Allocation and expenditure made under RGM since 2014-15

Financial	Rs. Crore							Total
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	
Allocation	150.40	81.77	118.75	190	750.5	270	400.00	1961.42
Expenditure	159.02	81.76	118.75	187.64	750.44	269.73	251.76 [#]	1819.1

expenditure up to 31st December 2020

[source](#)

- For more information regarding state-wise and year-wise funds released under the Rashtriya Gokul Mission (RGM) scheme during the last three years - [click here](#)

Significant initiatives under RGM:

- 1. Awards for encouraging farmers/breeder societies to rear Indigenous breeds of Bovines:** In order to motivate farmers for rearing of indigenous breeds and to enhance the production and productivity of indigenous breeds, the following awards have been instituted under RGM every year:
 - a. Gopal Ratna awards:** For farmers maintaining the best herd of Indigenous Breed(s) and practicing best management practices.
 - b. Kamdhenu awards:** For best managed Indigenous Herd by Institutions/Trusts/ NGOs/ Gaushalas or best managed Breeders' Societies.

There are three Gopal Ratna Awards (1st, 2nd and 3rd position) and three Kamdhenu awards respectively for five regions viz: i) Hill and North Eastern; ii) North; iii) South; iv) East and v) West.

⁶ [RASHTRIYA GOKUL MISSION | Department of Animal Husbandry & Dairying \(dahd.nic.in\)](#)

Each award consists of a citation and an incentive of Rs 5,00,000/-, Rs.3,00,00/-and Rs 1,00,000/- each respectively for 1st, 2nd and 3rd position for every region.

Awards under the Mission are being bestowed since 2017-18 and so far, 22 Gopal Ratna and 21 Kamdhenu awards have been distributed.

For more information on Gopal Ratna Awards, [click here](#)

For more information on Kamdhenu Awards, [click here](#)

- 2. Establishment of Gokul Grams:** The Rashtriya Gokul Mission also envisages establishment of integrated cattle development centers ‘Gokul Grams’ to develop indigenous breeds including up to 40 per cent nondescript breeds.

- To promote indigenous cattle rearing and conservation in a scientific manner.
- To propagate high genetic merit bulls of indigenous breeds.
- To optimize modern Farm Management practices and promote Common Resource Management.
- To utilize animal waste in economical way i.e., Cow Dung, Cow Urine

Establishment of 20 Gokul Grams have been sanctioned for 13 states under the scheme with an outlay of Rs 197.67 crores. Rs. 68 crores have been released to states for establishment of Gokul Grams.

For more information on Gokul Grams, [click here](#)



- 3. Establishment of National Kamdhenu Breeding Centers:** Two [National Kamdhenu Breeding Centre](#) (NKBC), at Andhra Pradesh and Madhya Pradesh, to act as repository of indigenous germplasm of all indigenous breeds and supply of certified germplasm to the farmers undertaking rearing of indigenous breeds and increasing their stock.⁷

⁷ [Press Information Bureau \(pib.gov.in\)](http://pib.gov.in)




4. **e-Pashu Haat** - *Nakul Prajnan Bazaar*: An e-market portal connecting breeders and farmers, an authentic market for quality disease-free bovine germplasm in the form of: i) semen; ii) embryos; iii) calves; iv) heifers and v) adult bovines with different agencies/stake holders.
5. **Pashu Sanjivni**: An Animal Wellness Programme encompassing provision of Animal Health cards ('Nakul Swasthya Patra') along with UID identification and uploading data on National Data Base.
6. **Advanced Reproductive Technology**: Including Assisted Reproductive Technique- In-vitro Fertilization (IVF)/ Multiple Ovulation Embryo Transfer (MOET) and sex sorted semen technique to improve availability of disease-free female bovines.
7. **National Bovine Genomic Center for Indigenous Breeds** (NBGC-IB) will be established for selection of breeding bulls of high genetic merit at a young age using highly precise gene-based technology.

Efforts made by the Central Government for enhancing milk production in the country under Rashtriya Gokul Mission

- Implementation of nationwide AI coverage for extending artificial insemination coverage and increasing milk production and productivity of bovines including indigenous breeds
- Induction of MAITRIs for delivery of artificial insemination services at farmers doorstep
- Implementation of progeny testing and pedigree selection for production of high genetic merit bulls including indigenous breeds
- Accelerated breed improvement programme using sex sorted semen of high genetic merit bulls including indigenous breeds
- Accelerated breed improvement programme using IVF technology for propagation of elite animals of indigenous breeds and Establishment of breed multiplication farm preferably of indigenous breeds

Other programs of Central government to boost the dairy production in the country⁸

1. **National Programme for Dairy Development (NPDD)**: For creating/strengthening of infrastructure for production of quality milk, procurement, processing and marketing of Milk & Milk Products
2. **Dairy Processing and Infrastructure Development Fund (DIDF)**: To create/modernize the milk processing, chilling and value addition infrastructure
3. **National Livestock Mission**: Covering component of Feed and Fodder Development and Livestock Insurance including insurance of dairy animals
4. **National Animal Disease Control Programme (NADCP)**: For control of Foot and Mouth Disease and Brucellosis among dairy animals
5. **Animal Disease Control Programme**: For control of economically important livestock diseases and establishment of mobile veterinary clinics for delivery of veterinary services at farmer's doorstep



NURTURING LIVESTOCK, EMPOWERING FARMERS

PM Modi launches National Animal Disease Control Programme

To control Foot and Mouth Disease (FMD) and Brucellosis in livestock by 2025 and eradication by 2030

100% central funding with an outlay of **₹12,652 Crores for a period of 5 years**

To vaccinate over 500 Million Livestock including cattle, buffalo, sheep, goats and pigs against FMD

To vaccinate 36 Million Female Bovine Calves annually against Brucellosis disease

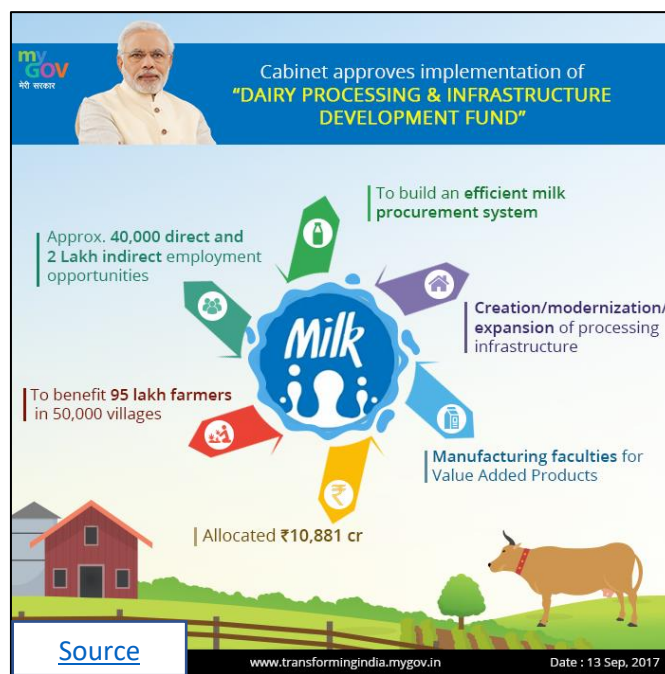
Action Plan to Promote Dairy Industry⁹

- Ministry of Fisheries, Animal Husbandry & Dairying has launched Animal Husbandry and Infrastructure Development Fund (AHIDF) in 2020 with an outlay of Rs. 15,000 Crores and Dairy Processing Infrastructure Development Fund (DIDF) in 2017 with an outlay of Rs. 11,184 Crores as a part of Aatmanirbhar Bharat package stimulus.
- In 2020, as a part of Prime Minister's Aatmanirbhar Bharat Abhiyan, Rs 8000 crores has been earmarked for assisting milk processing and product plants under AHIDF for implementation during 2020-2021 and 2022-2023 with objective of increasing of milk processing infrastructure, to provide greater access for unorganized rural milk producers, make available protein enriched quality milk products, develop entrepreneurship and promote exports. The eligible beneficiaries of the scheme are Farmer Producer Organizations (FPOs), private companies, individual entrepreneurs, Section 8 companies and MSMEs (Micro, Small & Medium Enterprises). Under the scheme, the Schedule banks will provide loan to the eligible beneficiaries up to 90 per cent with the commitment of minimum 10 per cent. The Central Government will provide interest subvention @3 per cent and also credit guarantee to those beneficiaries covered under MSME defined ceilings. The maximum repayment period is 10 years including moratorium period of two years. For details of funds sanctioned under Animal Husbandry Infrastructure Development Fund till 9th December, 2021 – [click here](#)
- DIDF was launched in 2017-2018 with the objective of creating/ strengthening of milk processing, value addition & chilling facilities for implementation up to 2022-

⁸ <https://pib.gov.in/PressReleaseDetailm.aspx?PRID=1781381>

⁹ <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1743187>

2023. The eligible beneficiaries of the scheme are Dairy Co-operatives, Multi State Dairy Cooperatives, Milk Producer Companies (MPC), National Dairy Development Board (NDDB) subsidiaries, Self Help Groups (SHGs) and Farmer Producer Organizations (FPOs) registered under Cooperative and Companies Act. Under the scheme, National Bank for Agriculture and Rural Development (NABARD)/ National Dairy Development Board (NDDB)/ National Cooperative Development Corporation (NCDC) provide loan (Rs. 8004 Cr) to the eligible beneficiaries. The Central Government provides interest subvention @ 2.5 per cent. The maximum repayment period is 10 years including moratorium period of two years.



Growth in Dairying Sector

Livestock in our country has been growing at a Compound Annual Growth Rate (CAGR) of 8.15 per cent (at constant prices) from 2014-15 to 2019-20. Milk production, egg production and meat production in the country are growing at compound annual growth rate of 6.28 per cent, 7.82 per cent and 5.15 per cent respectively from 2014-15 to 2019-20. As per National Account Statistics 2021, the value of output of milk in 2019-20 is Rs 8.39 lakh crore (at current prices) surpassing total value of output from cereals.¹⁰

References:

- <https://dahd.nic.in/sites/default/files/Annual%20Report%202020-21%20%28English%29%2030.06.21%5D.pdf>
- [Organizations- Kamdhenu Awards -Guidelines.pdf \(dahd.nic.in\)](#)
- <https://dahd.nic.in/sites/default/files/rgm.pdf>
- [RASHTRIYA GOKUL MISSION | Department of Animal Husbandry & Dairying \(dahd.nic.in\)](#)
- [Press Information Bureau \(pib.gov.in\)](#)
- <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1744490>
- <https://pib.gov.in/PressReleaseDetailm.aspx?PRID=1781381>
- <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1743187>

¹⁰ <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1744490>

Other important links:

- <https://pib.gov.in/PressReleaseDetail.aspx?PRID=1601917>
- Implementation of National Dairy Plan: <https://pib.gov.in/PressReleaseDetail.aspx?PRID=1778929>
- Promotion of Livestock and fisheries in Tribal areas:
<https://pib.gov.in/PressReleaseDetail.aspx?PRID=1778930>
- Import and Export of Dairy products: <https://pib.gov.in/PressReleaseDetail.aspx?PRID=1781381>
- Cabinet approves Revising and Realigning various components of Department of Animal Husbandry & Dairying Schemes and Special livestock package for leveraging investment of Rs.54,618 crore:
<https://www.pib.gov.in/PressReleasePage.aspx?PRID=1735513>

Success Story:

- Success Story of breed Multiplication Farm under the Rashtriya Gokul Mission:
https://twitter.com/Min_FAHD/status/1466805785715888128?s=20

Video Links:

- Hello Kisan - Rashtriya Gokul Mission and Goat & Sheep Farming special:
<https://www.youtube.com/watch?v=FmPvRkK6DxU>
- Hello Kisan - Epashuhaat and Rashtriya Gokul Mission: <https://www.youtube.com/watch?v=bDnrUV7-BZU>
- Krishi Darshan, Rashtriya Gokul Mission: <https://www.youtube.com/watch?v=g7yhYnYsHqQ>

AG/HP/AKP/IS