

GOVERNMENT OF INDIA
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
DEPARTMENT OF ANIMAL HUSBANDRY AND DAIRYING
RAJYA SABHA
UNSTARRED QUESTION NO.1116
TO BE ANSWERED ON 04TH DECEMBER, 2024

RASHTRIYA GOKUL MISSION AND NATIONAL LIVESTOCK MISSION IN KERALA

1116. SHRI SANDOSH KUMAR P:

Will the Minister of FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
be pleased to state :

- (a) the implementation status of Rashtriya Gokul Mission and National Livestock Mission in the country;
- (b) the impact of these schemes on livestock productivity and dairy production in each State; and
- (c) the total financial allocation and expenditure incurred for these schemes in Kerala?

ANSWER
THE MINISTER OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
(SHRI RAJIV RANJAN SINGHALIAS LALAN SINGH)

(a). The implementation status of Rashtriya Gokul Mission and National Livestock Mission in the country is as below:

- i. **Rashtriya Gokul Mission (RGM):** The Department is implementing RGM since 2014 for development and conservation of indigenous cattle and buffalo breeds, genetic upgradation of bovine population and enhancement of milk production and productivity of bovines. The scheme is continued under revised and realigned schemes of the Department from 2021-22 to 2025-26 with an allocation of Rs.2400 crore. Status of implementation of the scheme is as under:
 - (i) **Nationwide Artificial Insemination Program:** Under the Rashtriya Gokul Mission, the Department of Animal Husbandry and Dairying is expanding artificial insemination coverage to boost the milk production and productivity of bovines, including indigenous breeds. As on date, 7.3 crore animals have been covered, with 10.17 crore artificial inseminations performed, benefiting 4.58 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 and has produced 22,896 viable embryos, with 12,846 embryos transferred and 2019 calves born.
- (iv) **Sex-Sorted Semen Production:** The Department 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 1.12 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.

- ii. **National Livestock Mission (NLM):** The Department 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 revised scheme of National Livestock Mission (NLM) aims to create employment generation, entrepreneurship development, increase in per-animal productivity and thus targeting increased production of meat, goat milk, egg and wool under the umbrella scheme Development Programme. The scheme envisages three submissions and activities. Details are as under:

- 1. Sub-Mission on Breed Development of Livestock and Poultry

2. Sub-Mission on Feed and Fodder Development

3. Sub-Mission on Innovation, Extension

1. Sub-mission on Breed Development of Livestock and Poultry: This Sub-Mission has following activities:

(a) Activity I:-Establishment of Entrepreneurs for breed development of Rural Poultry:

The 50% capital subsidy upto ₹ 25.00 lakh is provided to individual, Self Help Group (SHG)/Farmers Producer Organizations (FPO)/Farmers Cooperatives (FCOs)/Joint Liability Groups (JLGs) and Section 8 companies for establishment of Parent Farm (1000 birds),

(b) Establishment of Entrepreneur for breed development in small ruminant sector (sheep and goat farming):

The 50% capital subsidy up to ₹. 50.00 lakh is provided to individual, Self Help Group (SHG)/Farmers Producer Organizations (FPO)/Farmers Cooperatives (FCOs)/Joint Liability Groups (JLGs) and Section 8 companies to establish sheep and goat breeding unit with minimum 100 females and 10 males and maximum of 500 females and 25 males.

(c) Activity II. Genetic Improvement of Sheep and Goat breeds: under this activity following are the sub activities:

(i) Establishment of Regional Semen Production Laboratory and Semen Bank for sheep and goat: One-time grants-in-aid up to Rs. 400.00 lakh as Central Share are provided to the concerned state eligible for establishment of Regional Semen Station for sheep and goat.

(ii) Establishment of State Semen Bank: One-time assistance up to Rs. 10.00 lakh are provided to the state for strengthening of existing cattle and buffalo semen bank to store and distribute goat frozen semen.

(iii) Propagation of Artificial Insemination through existing cattle and buffalo Artificial Insemination centers:

One-time assistance upto ₹. 7000/-for each cattle Artificial Insemination (AI) Centre are provided for procurement of necessary equipment to strengthen the existing cattle AI centers to goat AI Centers for propagation of Goat Frozen semen.

(iv) Import of exotic sheep and goat germplasm:

Assistance is provided to State Animal Husbandry department for need based import of sheep and goat germplasm to increase productivity non-descript animals.

Activity III: Promotion of Piggery Entrepreneur:

Onetime 50% Capital subsidy up to ₹ 30.00 Lakh is provided to Individual/ Self Help Group (SHG)/Farmers Producer organizations (FPO)/Farmers Cooperatives (FCOs)/Joint Liability Groups (JLGs) and Section 8 companies.

Activity IV: Genetic Improvement of Pig breeds: Under this activity following activities are implemented:

(i) Establishment of pig semen collection and processing lab:

One-time assistance up to Rs. 150 lakh is provided to Animal Husbandry Department to establish semen processing lab at the government pig farm to produce high quality liquid boar semen for artificial insemination. Additionally, Rs. 30 lakh is provided as onetime recurring expenditure for procurement of consumables, medicines, chemicals etc. for first time processing of semen.

(ii) Import of exotic pig germplasm:

The Central Government is assisting the States for need based import of pig germplasm to increase productivity of the non-descript animals and to produce good quality cross bred animals to increase per animal meat production.

Activity V: Establishment of Entrepreneurs for horse, donkey, mule and camel:

The 50% capital subsidy upto ₹ 50.00 lakh is provided to individual, Self Help Group

(SHG)/Farmers Producer Organizations (FPO)/Farmers Cooperatives (FCOs)/Joint Liability Groups (JLGs) and Section 8 companies.

Activity VI: Genetic Improvement of Horse, Donkey, Mule, Camel:

(a) **Regional Semen Station for Horse, donkey and camel:** One-time Grants in Aid up to ₹ 10 cr. is provided to the State Government for establishment of semen station for Indigenous horse, donkey, mule and camel,

(b) **Nucleus Breed Farm for Conservation of Horse/Donkey/Camel germplasm:** One-time Grants-in-Aid up to ₹. 10 cr. is provided to the State Governments for establishment of Nucleus Breeding Farm for Horse, Camel, Donkey with elite animals in order to *in situ* and *ex-situ* conservation of animals.

(c) **Breed Registration Society:** 100% assistance are provided for establishment of breed registration society for horse, camel and donkey.

2. Sub-Mission on feed and fodder development: The Sub-Mission of the feed and fodder will have the following activities:

(i): **Assistance for quality Fodder seed production:** 100% incentivization for production of all categories of fodder seed production by Central and State Govt. institutions.

(ii): Entrepreneurial activities in feed and fodder:

One time 50% capital subsidy up to ₹ 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.

(iii) **Establishment of Entrepreneurs for Fodder Seed processing Infrastructure (processing and grading unit/ fodder seed storage godown)** One time 50% capital subsidy up to ₹ 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.

(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.

3. Sub Mission on Innovation and Extension: Under this Sub-Mission the following are the activities:

(i)Research and Development and innovations:

100% assistance is provided to credible institutions including Governmental organisations for research and development in the sheep, goat, poultry, pig, and feed and fodder sectors.

(ii) Extension activities:

Assistance is provided for scheme and animal husbandry promotion through IEC activities such as seminars, training, capacity building, livestock farmers groups, breeders' associations, and livestock melas.

(ii) Livestock Insurance programme: Assistance is provided to the State Government for share of premium @ 60:40 or 90:10 basis for insurance coverage for animals. The beneficiary is sharing 15% share of the premium.

(b). The physical targets and achievements of RGM is given at **Annexure-I**. The details of change in milk production and productivity in last 10 years is given at **Annexure-II**.

(c). Under RGM a total of Rs. 11068.31 lakhs have been released to Kerala State in last 5 years and current year. The details of year-wise fund release and utilization to the State of Kerala under RGM is given at **Annexure III**.

Since FY 2014-15, Rs. 2687.32 lakhs have been released to Kerala under NLM. The State utilized Rs. 2465.60 lakhs, leaving Rs. 221.72 lakhs unspent from the funds released in 2019-20 and 2020-21. Consequently, no funds were released during the financial years 2021-22 to

2023-24 and 2024-25. The State surrendered the unspent amount, and the reconciled NIL utilization certificate was received only on 2nd November 2024. Meanwhile, as per the new fund release system, the State must be onboarded into SNA SPARSH and upload legacy data into the Public Finance Management Portal (PFMS) System. Due to incorrect legacy data upload and delays in onboarding to the SNA SPARSH system by the State, funds could not be released in the current FY.

The detailed fund release and utilization status year – wise along with benefits accrued is placed at **Annexure IV** (Table1 and 2). The details of benefits availed under NLM-EDP scheme are placed under **Annexure V**.

Annexure- I

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF RAJYA SABHA UNSTARRED QUESTION NO. 1116 FOR ANSWER ON 04.12.2024 ASKED BY SHRI SANDOSH KUMAR P ON RASHTRIYA GOKUL MISSION AND NATIONAL LIVESTOCK MISSION IN KERALA.

Targets and Achievements made under RGM

Components under RGM	Targets	Achievements
Strengthening of existing semen stations (in nos.)	44	47
Progeny testing (Bulls in Nos.)	3,700	3,988
Pedigree selection (Bulls in Nos.)	1,000	
Production of bulls through embryos (in nos.)	7,900	
Genomic selection (in Nos.)	50,000	48,451
Import of bulls (Bulls in Nos.)	1,000	250
Implementation of IVF Technology	1,15,000	12,846-Embryo transferred & 2019 calves born 22,896- embryos produced
Establishment of ETT/IVF Labs (in nos.)	10	22
Breed Multiplication farms (in nos.)	125	132
Establishment of MAITRIs in nos.	40,000	38,736
Training of MAITRIs in nos.	40,000	
AI programme (animals in million)	165	101.73
Promoting sex sorted semen (in million doses)	12.20	11.21
Skill Development	74,333	74,333

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State-wise details of change in milk production and productivity in the last 10 years

State	Production (In '000 Tonnes)			Exotic/Crossbreed - Productivity (In kg/Animal/day)			Non-Descript/Indigenous - Productivity (In kg/Animal/Day)			Buffaloes - Productivity (In kg/Animal/Day)		
	2014-15	2023-24	Change (In %)	2014-15	2023-24	Change (In %)	2014-15	2023-24	Change (In %)	2014-15	2023-24	Change (In %)
Andhra Pradesh	9656.15	13994.40	44.93	7.43	9.35	25.84	2.30	3.58	55.65	6.07	6.70	10.38
Arunachal Pradesh	46.07	20.00	-	6.52	2.11	-	1.38	0.60	-	0.67	0.97	44.78
Assam	829.47	1092.23	31.68	4.18	4.67	11.72	0.96	1.63	69.79	3.06	3.33	8.82
Bihar	7774.89	12853.00	65.31	6.49	6.38	-	3.10	3.31	6.77	4.24	4.59	8.25
Chhattisgarh	1231.57	2124.03	72.47	6.09	6.30	3.45	1.41	2.45	73.76	5.14	4.99	-
Goa	66.60	63.67	-	7.47	9.09	21.69	1.62	2.30	41.98	3.98	3.70	-
Gujarat	11690.57	18311.80	56.64	9.08	9.93	9.36	4.19	5.01	19.57	4.96	5.33	7.46
Haryana	7901.35	12220.21	54.66	8.75	10.56	20.69	5.38	6.79	26.21	7.79	10.83	39.02
Himachal Pradesh	1172.16	1748.96	49.21	4.71	5.67	20.38	1.69	2.08	23.08	3.64	4.32	18.68
Jammu & Kashmir	1950.93	2874.74	47.35	6.31	9.16	45.17	3.48	4.25	22.13	5.48	4.49	-

	Production (In '000 Tonnes)			Exotic/Crossbreed - Productivity (In kg/Animal/day)			Non-Descript/Indigenous - Productivity (In kg/Animal/Day)			Buffaloes - Productivity (In kg/Animal/Day)		
Jharkhand	1733.72	3025.00	74.48	5.82	7.42	27.49	1.66	2.15	29.52	5.84	4.07	-
Karnataka	6120.93	13463.07	119.95	6.09	9.57	57.14	2.35	3.38	43.83	2.70	4.22	56.30
Kerala	2711.13	2579.98	-	8.62	10.79	25.17	0.94	3.04	223.40	3.39	4.97	46.61
Madhya Pradesh	10779.97	21326.37	97.83	7.99	7.92	-	2.80	3.40	21.43	4.45	4.78	7.42
Maharashtra	9542.29	16045.40	68.15	7.38	9.85	33.47	1.85	2.37	28.11	4.60	5.53	20.22
Manipur	82.17	63.37	-	7.33	7.71	5.18	1.47	1.60	8.84	3.31	3.92	18.43
Meghalaya	82.96	97.04	16.97	8.92	8.80	-	0.77	0.86	11.69	1.84	1.76	-
Mizoram	20.49	25.43	24.11	6.75	8.12	20.30	1.56	1.67	7.05	0.00	0.00	-
Nagaland	75.69	52.79	-	5.33	4.77	-	1.88	2.65	40.96	3.70	4.61	24.59
Odisha	1903.14	2636.00	38.51	6.20	6.84	10.32	1.63	1.55	-	4.00	1.73	-
Punjab	10351.41	14000.18	35.25	11.21	13.29	18.55	6.82	8.13	19.21	8.72	8.82	1.15
Rajasthan	16934.31	34733.00	105.10	7.93	7.23	-	3.77	5.36	42.18	5.84	6.91	18.32
Sikkim	49.99	81.00	62.03	5.62	4.59	-	0.00	3.97	-	0.00	6.48	
Tamil Nadu	7132.47	10807.83	51.53	6.87	7.03	2.33	2.65	3.14	18.49	4.39	3.59	-
Telangana	4207.26	5839.56	38.80	7.20	8.52	18.33	1.99	3.06	53.77	4.68	5.60	19.66
Tripura	141.23	247.30	75.10	5.58	6.27	12.37	1.43	2.09	46.15	2.52	2.75	9.13
Uttar Pradesh	25198.36	38779.56	53.90	7.10	8.53	20.14	2.60	4.18	60.77	4.47	5.32	19.02
Uttarakhand	1565.35	1897.84	21.24	6.96	7.65	9.91	1.97	2.36	19.80	4.29	5.07	18.18
West Bengal	4961.00	7649.73	54.20	5.29	5.85	10.59	2.15	3.39	57.67	5.45	4.79	-

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Year-wise fund release and utilization by Kerala under Rashtriya Gokul Mission:

Financial Year	Fund Released (Rs. in Lakh)	Fund Utilised (Rs. in Lakh)	Unspent Balance (Rs. in Lakh)
2014-15	1000	1000	0
2015-16	500	500	0
2016-17	1000	1000	0
2017-18	136	136	0
2018-19	2662.29	2662.29	0
2019-20	301.03	301.03	0
2020-21	313	313	0
2021-22	314	314	0
2022-23	1284.12	1284.12	0
2023-24	6546.27	6546.27	0
2024-25	2309.89	-	2309.89
Total	16366.6	14056.71	2309.89

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Table 1. Year-wise fund release and utilization by Kerala under national Livestock Mission:

Financial Year	Fund Released (Rs. in lakh)	Fund Utilised (Rs. in lakh)	Unspent Balance (Rs. in lakh)
2014-15	Nil	Nil	Nil
2015-16	Nil	Nil	Nil
2016-17	104.28	104.28	Nil
2017-18	364.74	364.74	Nil
2018-19	555.30	555.30	Nil
2019-20	1000	816.71	183.29
2020-21	663.00	624.57	38.43
2021-22	Nil	Nil	Nil
2022-23	Nil	Nil	Nil
2023-24	Nil	Nil	Nil
2024-25	Nil	Nil	Nil
Total	2687.32	2465.60	221.72

Note: 1. Funds could not be released during the financial year 2021-22 to 2023-2024 as the state had unspent balances out of the fund released during 2019-2020 and 2020-21.

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Benefits provided under National Livestock mission – Entrepreneurship Development Programme (NLM-EDP):

State	Total no. of DAHD approved projects					Total Project Cost (Rs in Cr.)	Total Approved subsidy (Rs. in Cr.)
	Feed and fodder Development	Breed Development in small ruminant sector (sheep & goat Farming)	Piggery Enterprise Development	Breed development of Rural Poultry	Total no of DAHD approved applications		
Kerala	0	3	7	3	13	7.35	3.28

Table 2. Details if benefit accrued from the funds released under National Livestock Mission

Total fund released during 2014-15 and 2015-16 is Nil.

Total Fund released during 2016-17 is Rs.104.28 lakhs, the details of which are as under:

Sl. No.	Name of the Sub-Mission/ Component	Central share released (Rs.In Lakh)	Benefits availed
1	Risk Management & Insurance	104.28	20392 animals have been insured
Total		104.28	

Total Fund released during 2017-18 is Rs.364.74 lakhs, the details of which are as under:

S.No.	Name of the Sub-Mission/ Component	Physical Units/ Beneficiaries recommended	Central share released (Rs. in Lakh)	Benefits availed
1	Risk Management & Insurance	23500 animals to be insured	150	7618 animals insured and surrendered Rs.60.00 lakhs
2	Innovative Poultry Productivity Projects-	200 beneficiaries	135	80 unit established ; 120 unit pending

	Broilers			
3	Fodder Production from non forestwast land/non arable land	443 ha	79.74	No report received from the State
Total			364.74	

Total Fund released during 2018-19 is Rs.555.30 lakhs, the details of which are as under:

Sl. No.	Name of the Sub-Mission/ Component	Physical Units/ Beneficiaries recommended	Central share released (Rs. in Lakh)	Benefits availed
1	Rural Backyard Goat Development Scheme	1000 beneficiaries	396	740 unit done and surrendered Rs.102.96 lakhs)
2	Rural Backyard Pig Development Scheme	500 beneficiaries	63	No report received from the State
3	Strenthening Goat AI Network and Dissemination of Improved Malabari Germplasm through AI	1 goat breeding centre and 500 AI centre	58.2	No report received from the State
4	Conservation and Dissemination of Superior Attappady black goat germplasm in Kerala	1 breed	38.1	No report received from the State
Total			555.3	

Total Fund released during 2019-20 is Rs.1000.00 lakhs, the details of which are as under:

S.No.	Name of the Sub-Mission/ Component	Physical Units/ Beneficiaries recommended	Central share released (Rs. in Lakh)	Benefits availed	Remarks
1	Livestock Insurance	22080 (18680 animal units for 1 year and 3400 animal units for 3 years)	125.5	22440	Rs.21.384 lakh Surrendered vide GO (Rt) No. 395/2024/AHD dated 01.07.2024, GO (Rt)

2	Rural Backyard Goat Development	1600 beneficiaries	633.6	1546	No. 437/2024/AHD dated 20.07.2024 and GO (Rt) No. 451/2024/AHD dated 05.08.2024 (Final UC received vide email dated 15.10.2024)
3	Centre of Excellence in Goat	1 farm (Parassala goat farm)	192	Construction completed	
4	Dissemination of Improved Pig Germ-Plasm Through AI	Pig Breeding Centre, Koothatukulam	48.9	Strengthening of infrastructure at Pig Breeding center	
Total			1000		

Total Fund released during 2020-21 is Rs.663.00 lakhs, the details of which are as under:

Sl. No.	Name of the Sub-Mission/ Component	Physical Units/ Beneficiaries recommended	Central share released (Rs.In Lakh)	Status of PPR	Status of Unspent balance with State (Rs. in lakhs)
1	Livestock Insurance	34700 Cattle Unit	210	34700 cattle unit insured	Rs.38.35701 Lakh surrendered vide Go (Rt) No. 395/2024/AHD dated 01.07.2024, Do (Rt) No.437/2024/AHD dated 20.07.2024 and Go (Rt) No. 451/2024/AHD dated 05.08.2024. 0