

GOVERNMENT OF INDIA
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
DEPARTMENT OF ANIMAL HUSBANDRY AND DAIRYING
LOK SABHA
UNSTARRED QUESTION NO.1170
TO BE ANSWERED ON 03RD DECEMBER.2024

ADOPTION OF MODERN ANIMAL HUSBANDRY PRACTICES

1170. SHRI LUMBA RAM:
SHRI DULU MAHATO:
SHRI BIDYUT BARAN MAHATO:

Will the Minister of FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
मत्स्यपालन, पशुपालन और डेयरी मंत्री
be pleased to state:

- (a) the details of steps to encourage the adoption of modern animal husbandry practices, such as advanced breeding methods, better nutrition and agricultural technologies, to increase the income of livestock farmers in the nation;
- (b) the details of initiatives implemented to enhance livestock productivity and health through improved veterinary care and disease management programmes in rural areas of Rajasthan and Jharkhand; and
- (c) the details of specific programmes/schemes for supporting small-scale farmers and tribal communities with subsidies, financial aid, or improved access to markets for dairy and poultry products in Rajasthan and Jharkhand?

ANSWER

**THE MINISTER FOR FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
(SHRI RAJIV RANJAN SINGH ALIAS LALAN SINGH)**

- (a) The Department of Animal Husbandry and Dairying is implementing following schemes to encourage the adoption of modern animal husbandry practices, such as advanced breeding methods, better nutrition and agricultural technologies, to increase the income of livestock farmers in the nation:
 - i. **Rashtriya Gokul Mission (RGM)**-RGM focuses on development and conservation of indigenous bovine breeds, genetic upgradation of bovine population and enhancement of milk production and productivity of bovines

thereby making milk production more remunerative to the farmers encompassing all communities including tribal communities.

- ii. **National Livestock Mission (NLM)**-NLM undertakes breed improvement activity by Genetic improvement of sheep/goat/pig breeds through selective breeding by propagation of superior male germplasm through artificial insemination. Also supporting the states for infrastructure development like Semen Stations, Semen laboratories, semen bank, utilization of large animal AI centres for small animals.

The details of steps being taken in the above-mentioned schemes are given at **Annexure-I**.

(b) Animal Husbandry is a state subject. However, Department under Livestock Health & Disease Control Programme is supporting all States/UTs including the state of Rajasthan and Jharkhand to increase livestock productivity and augmenting livestock health care through initiatives like prophylactic vaccination, capacity building, disease diagnosis, research & innovation, training etc. which include:

- i. Support to states/UTs under National Animal Disease Control Programme (NADCP) for vaccination against Foot & Mouth disease (FMD), Brucellosis, PPR and CSF including sero-surveillance and sero-monitoring of the diseases. Till date, total 5.49 crore, 0.20 crore, 0.61 crore, 0.01 crore vaccine doses have been administered against FMD, Brucellosis, PPR and CSF respectively in the state of Rajasthan. In Jharkhand, total 2.96 crore, 0.19 crore, 0.76 crore, 0.09 crore vaccine doses have been administered against FMD, Brucellosis, PPR and CSF respectively.
- ii. Support to states/UTs under the component of Assistance to States for Control of Animal Disease (ASCAD) for control of important exotic, emergent and zoonotic animal diseases prioritized by the respective States/UTs and the total of 62.86 lakh cattle has been vaccinated against LSD during 2024-25 in Rajasthan, no LSD vaccination is done in Jharkhand as no LSD cases have been reported during 2024-25.
- iii. Support to states/UTs under the component of Establishment and Strengthening of Veterinary Hospitals and Dispensaries (ESVHD-MVU) and 236 MVUs and 536 MVUs are operationalized in the state of Jharkhand and Rajasthan respectively helping in delivery of veterinary healthcare services at farmers' doorsteps in respect to disease diagnosis, treatment, vaccination, minor surgical interventions, audio-visual aids and extension services.

iv. Under livestock Health & Disease Control Programme (LHDCP), the fund of Rs. 635.11 lakh and Rs. 1897.97 lakh has been released to the state of Rajasthan during FY 2023-24 and 2024-25 respectively. For the state of Jharkhand, the fund of Rs. 180.00 lakh has been released during the FY 2024-25.

(c) As regard, the details of specific programmes/schemes for supporting small-scale farmers and tribal communities with subsidies, financial aid, or improved access to markets for dairy and poultry products in Rajasthan and Jharkhand is concerned, the following schemes are being implemented throughout the country:

- i. **Entrepreneurship Scheme:**It is notable that 50% capital subsidy is provided for establishment of Parent Farm, Hatchery, brooder cum mother unit of Rural poultry birds with minimum 1000 parent layers for production of Hatching Eggs and Chicks. The applicant can establish rural poultry breeding farm of 1000 female + 100 male birds unit size and 50% capital cost subsidy up to 25 lakh will be provided to beneficiaries. Any interested applicant can go through the detailed NLM-EDP guidelines and apply for the NLM Entrepreneurship Scheme through NLM portal www.nlm.udyamimitra.in. Any individual, Joint applicant, Farmers Producer Organizations (FPOs), Self Help Group (SHGs), Farmer Cooperative Organisations (FCOs), Joint Liability Group (JLG), Section 8 companies can apply in NLM Entrepreneurship Scheme.
- ii. **National Programme for Dairy Development:** Under the Training and capacity Building component of National Programme for Dairy Development the following training provided to the dairy farmers in the project area:
 - Balanced ration feeding based on the nutrition and energy requirement of the dairy animals through use of “Pashu Poshan” mobile application of e-gopala app
 - Importance of good quality fodder and uses of silage
 - Importance of Mineral Mixture
 - Importance of timely vaccination of animals
 - Use of Ethno Veterinary Medicine (EVM) for reducing the excessive use of antibiotics while treating various diseases like Mastitis etc.
 - Importance of Artificial Insemination through MAITs of Cooperatives
 - Importance of Calf rearing and advantages of using calf starter

The details of implementation of NPDD scheme in Rajasthan and Jharkhand are given at **Annexure -II**.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF LOK SABHA UNSTARRED QUESTION NO. 1170 FOR ANSWER ON 03.12.2024 ASKED BY SHRI LUMBA RAM, SHRI DULU MAHATO AND SHRI BIDYUT BARAN MAHATO ON ADOPTION OF MODERN ANIMAL HUSBANDRY PRACTICES.

The details of steps to encourage the adoption of modern animal husbandry practices is as follow:

Rashtriya Gokul Mission:

The following steps/initiatives are taken under RGM for adoption of modern animal husbandry practices, advance breeding methods and enhancement of livestock productivity in all States of the country including Rajasthan and Jharkhand:

- i. **Nationwide Artificial Insemination Program:** Under the Rashtriya Gokul Mission, the Department of Animal Husbandry and Dairying is expanding artificial insemination coverage in the districts with less than 50% AI coverage to boost the milk production and productivity of bovines, including indigenous breeds. Under the programme Artificial Insemination services are delivered at farmers' doorstep free of cost. As on date, 7.3 crore animals have been covered, with 10.17 crore artificial inseminations performed, benefiting 4.58 crore farmers in the country. In Rajasthan, 45.26 lakh animals have been covered, with 55.99 lakh artificial inseminations performed, benefiting 32.47 lakh farmers and in Jharkhand 22.21 lakh animals have been covered, with 27.34 lakh artificial inseminations performed, benefiting 15.81 lakh 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, Hariana, 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. **Accelerated Breed Improvement Programme using sex sorted semen** 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.

- iv. 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. 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.
- 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.

National Livestock Mission:

- i. Department supports inclusion of superior male germplasm in existing native genepool for genetic upgradation of indigenous crossbred animals with higher per animal productivity
- ii. Department is allowing import of good genetic small animals for improvement of the indigenous stock through scientific breeding programmes.
- iii. Department is promoting Innovation and Extension sub-mission which aims to incentivize the Institutes, Universities, Organizations carrying out research and development related to sheep, goat, pig and feed and fodder sector, extension activities, livestock insurance and innovation. Under this sub-mission, assistance will be provided to the central Agencies, ICAR Institutes and University farms for applied research required for development of the sector, extension services including promotional activities for animal husbandry and schemes, seminars, conferences, demonstration activities and other IEC activities for awareness generation. Assistance is also provided to mitigate risk through livestock insurance activity.
- iv. Under the sub-Mission of Feed and Fodder, Fodder development activity is undertaken through strengthening of fodder seed chain to improve availability of certified fodder seed required for fodder production and encouraging entrepreneurs for establishment of fodder Block/Hay Bailing/Silage Making

Units through incentivisation (50% subsidy on capital cost upto Rs.50.00 lakh).
This is turn will increase the productivity of the animals.

Annexure- II

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF LOK SABHA UNSTARRED QUESTION NO. 1170 FOR ANSWER ON 03.12.2024 ASKED BY SHRI LUMBA RAM, SHRI DULU MAHATO AND SHRI BIDYUT BARAN MAHATO ON ADOPTION OF MODERN ANIMAL HUSBANDRY PRACTICES.

Rajasthan:

Under Component A of NPDD scheme, 31 projects has been approved in Rajasthan with the total project cost of Rs.32744.59lakh with a central share of Rs.23640.04 lakh and out of this an amount of Rs. 19032.66 lakh has been released till date. The projects are being implemented by Rajasthan Cooperative Dairy Federation.

Under Component B of NPDD scheme, 6 projects has been approved in Rajasthan with the total project cost of Rs.27352.09 lakh (Loan Rs.19230.15 lakh and Grant Rs.8121.94 lakh) and out of this an amount of Rs. 5477.47 lakh has been released till date.

The details are given below:

Component A

Financial Progress:

(Rs. In lakh)

Total Projects	Ongoing Projects	Total outlay	Central Share	Funds released	Unspent	Committed Liability
31	12	32744.59	23640.04	19032.66	1754.64	2347.40
Ongoing Projects						
Project Code	Year of approval	Total outlay	Central Share	Funds released	Unspent (2023-24)	Committed Liability
NPDD_RJ_14F	2019-20	1853.57	1853.57	1797.62	213.82	0.00
NPDD_RJ_21I	2022-23	792.00	560.00	560.00	22.633	0.00
NPDD_RJ_22I	2022-23	2048.90	1246.82	1070.54	153.783	176.28
NPDD_RJ_23I	2022-23	921.50	604.70	428.75	172.135	175.95
NPDD_RJ_24I	2022-23	776.72	474.83	367.11	249.53	107.72
NPDD_RJ_25J	2023-24	1926.50	1164.70	582.36	582.36	582.34
NPDD_RJ_26J	2023-24	1330.73	829.13	332.78	332.78	496.35
NPDD_RJ_27J	2023-24	1465.65	898.85	360.76	27.599	538.09
NPDD_RJ_28J	2023-24	711.68	452.13	181.46	0.00	270.67
NPDD_RJ_29K	2024-25	1709.82	1041.42	0.00	0.00	1041.42
NPDD_RJ_30K	2024-25	872.70	541.76	0.00	0.00	541.76
NPDD_RJ_31K	2024-25	947.15	585.35	0.00	0.00	585.35

Funds released, utilized, refunded and unspent during last 5 years and current year

(Rs. in lakh)

Year	Funds released	Utilized*	Unspent
2019-20	2439.70	2402.20	0.00
2020-21	1750.22	1590.78	0.00
2021-22	2931.78	2689.86	213.82
2022-23	1076.85	1068.42	1.13
2023-24	3758.84	2199.30	1539.69
2024-25 (till 20.11.24)	0.00	0.00	0.00
Total	11957.38	9950.56	1754.64

*In addition to utilised amount, during the period, savings of Rs.252.18 lakh refunded back to GOI.

Physical Progress

Parameters	Project Target	Achievement
Milk Processing Capacity (TLPD)	440	440
Dairy Cooperative Society (nos.)	3742	2074
Milk Producer members ('000)	172.628	122.262
Average Daily Milk Procurement (TLPD)	1624.84	541.1
Average Daily Milk Marketing (TLPD)	756.52	399.38
Bulk Milk Cooler	Number	1259
	Capacity (TLPD)	1508.00
Strengthening of Dairy Plant Labs	19	16
Automatic Milk Collection Unit (nos.)	2895	2672
Electronic Milk Adulteration Testing Machine	2369	2171
State Central Lab	1	1

Component B:

Districts Covered: 12

Name of Districts covered: Alwar, Bharatpur, Bhilwara, Churu, Dausa, Dungarpur, Jaipur, Jalor, Jhunjhunu, Pali, Sirohi, Udaipur

Financial Progress:

S. No	Name of Pis	Loan (in Rs. Lakhs)			Grant (in Rs. Lakhs)		
		Sanctioned	Released	Balance	Sanctioned	Released	Balance
1	Asha MPC	420.49	320.75	99.74	1157.37	698.08	459.29
2	Bhilwara MU	10840.90	1108.37	9732.53	899.61	172.09	727.52
3	Jaipur MU	2365.04	495.00	1870.04	3356.63	726.18	2630.45
4	RCDF	4085.86	371.25	3714.61	0.00	0.00	0.00
5	Sakhi MPC	736.44	486.75	249.70	1859.06	1099.00	760.06
6	PALI	781.42	0.00	781.42	849.27	0.00	849.27
	Rajasthan Total	19230.15	2782.12	16448.04	8121.94	2695.35	5426.59

Physical Progress

Particulars	Unit	Rajasthan	
		Target	Ach
Strengthening Milk Procurement Infrastructure			
New DCS/ MPI	Nos.	1512	396
AMCU/DPMCU	Nos.	2435	1127
Bulk Milk Coolers	No	120	0
Farmer Members enrolled	Nos.	32210	6590
Addl. Milk Procurement	TKgPD	193	16
Milk Processing infrastructure			
Value Added Product (VAP) Plant	MTPD	25	0
Cattle Feed Plant	MTPD	300	0
By Pass Protein Plant/Mineral Mixture	MTPD	62	0
Productivity Enhancement Services			
Calf Rearing Program			
Villages covered	Nos.	100	100
Feed quantity	MT	1108	165
Animal Nutrition Advisory Services			
Villages covered	Nos.	400	225
Animal covered	Nos.	16000	6769
Feed quantity	MT	2256	131.5

Jharkhand:

Under Component A of NPDD scheme, 3 projects has been approved in Jharkhand with the total project cost of Rs.3153.80 lakh with a central share of Rs. 2502.40 lakh and out of this an amount of Rs.1254.69 lakh has been released till date.

Component B- Jharkhand is not covered under NPDD Component B.

Financial Progress:

(Rs. In lakh)

Total Projects	Ongoing Projects	Total outlay	Central Share	Funds released	Unspent	Committed Liability
03*	01	3153.80	2502.40	1254.69	0.00	611.43
Ongoing Projects						
Project Code	Year of approval	Total outlay	Central Share	Funds released	Unspent	Committed Liability
NPDD_JH_03J	2023-24	1059.83	736.43	125.00	0.00	611.43

*Project-I closed midway.

Funds released, utilized, refunded and unspent during last 5 years and current year

(Rs. in lakh)

Year	Funds released	Utilized*	Unspent
2019-20	410.78	410.78	0.00
2020-21	0.00	0.00	0.00
2021-22	0.00	0.00	0.00
2022-23	410.79	399.10	0.00
2023-24	125.00	125.00	0.00
2024-25 (till 20.11.24)	0.00	0.00	0.00
Total	946.57	934.88	0.00

*In addition to utilised amount, during the period, savings of Rs.11.69 lakh refunded back to GOI.

Physical Progress:

Component	Project Target	Achievement
Dairy Cooperative Society (nos.)	895	201
Milk Producer members ('000)	17.000	7.216
Average Daily Milk Procurement (TLPD)	85.70	80.30
Average Daily Milk Marketing (TLPD)	61.87	25.00
Bulk Milk Cooler	Number	13
	Capacity (TLPD)	26.00
State Central Lab	1	1
Strengthening of Dairy Plant Laboratory	6	4
Automatic Milk Collection Unit (nos.)	84	25
Data Processing and Milk Collection Unit (nos.)	526	314