



**GOVERNMENT OF ODISHA
FISHERIES & ANIMAL RESOURCES DEVELOPMENT
DEPARTMENT**



Scheme: Use of Sex Sorted Semen for Enhancing Milk Production

AIM :

The scheme aims to:

- Enhance the productivity of cattle and thereby augmenting the milk production in the State.
- Produce more female calves with high genetic merit through Artificial Insemination.
- Reduce the burden of farmers in maintaining male animals.

SCHEME OBJECTIVE :

- Production of 90-95% female calves with high genetic merit through AI.
- Reduction of male progeny, thereby reducing burden of farmers.
- Rationalized use of feed to productive animals.
- Improvement of herd genetics by use of semen from the proven Sire.
- Enhance the income of farmers from dairying and to encourage dairy entrepreneurship.
- Reduce the stray cattle population in the State.

AREA OF OPERATION :

- The scheme will be implemented in 25 districts covering 247 blocks, except in 67 blocks covered under *Odisha Mineral Bearing Areas Development Corporation* (OMBADC). It is targeted to cover around 1.20 lakh animals in these districts.

SCHEME COMPONENTS :

The sex-sorted semen will be used for quick genetic up-gradation of the cattle like Gir, Sahiwal, CB, Jersey, HF etc., maintained by the dairy farmers for enhancing the herd productivity within a shorter period of time.

- Procurement of Sex Sorted Semen:
- Ear tagging of animals
- Uploading of database of AI using sex sorted semen
- Monitoring and supervision

SOURCE OF FUNDS & CONTRIBUTION :

State Plan.

SUBSIDY TOWARDS THE COST OF SEX SORTED SEMEN :

- The semen sex sorted semen used under the AI programme will be provided at a subsidy of 75%. The dairy farmer will bear 25% share on the cost of the sex sorted semen.
- The AI technician shall provide a money receipt to the farmer after completion of the payment farmer's share and on completion of the AI.
- The CDVO shall deposit the farmers share collected with the OLRDS Account.
- The CEO, OLRDS shall use the funds for further procurement sex sorted semen.
- All beneficiaries should be mandatorily Aadhaar linked and the beneficiary database should be maintained in the website of the Directorate of AH&VS.

SCHEME OUTLAY :

Sl. No.	Particulars	Tentative Cost per Unit (In Rs.)	Doses (SS Semen) (In Lakh)	Total Cost (Rs. in Lakh)	Farmer Share (25%) (Rs. in Lakh)	State Share (75%) (Rs. in Lakh)
1	Cost of Sexed Semen	800	3.0	2400	600	1800
2	Administrative Cost (Monitoring + Supervision + Evaluation)	LS		40.0	0	40
TOTAL				2440	600	1840

TENTATIVE DISTRICT-WISE TARGET :

Sl. No.	District	Cattle Breedable Population	No. of Doses to be Utilised	Tentative Minimum Nos. of Animals to be Covered
1	Angul	95888	6000	2400
3	Baleswar	249900	15000	6000
4	Bargarh	76604	25000	10000
5	Bhadrak	200945	15000	6000
2	Bolangir	78510	15000	6000
6	Boudh	32123	6000	2400
7	Cuttack	252930	30000	12000
25	Dhenkanal	146986	5000	2000
8	Gajapati	30351	6000	2400
9	Ganjam	167707	15000	6000
10	Jagatsinghpur	103491	30000	12000
24	Jajpur	200104	10000	4000
11	Kalahandi	68976	10000	4000
12	Kandhamal	36558	2000	800
13	Kendrapada	153608	25000	10000
14	Khordha	113170	10000	4000
15	Koraput	111108	4000	1600
16	Malkangiri	85878	1000	400
17	Nawarangpur	54922	6000	2400
18	Nayagarh	68474	8000	3200
19	Nuapada	26921	3000	1200
20	Puri	173153	25000	10000
21	Rayagada	53444	3000	1200
22	Sambalpur	62256	15000	6000
23	Sonepur	37331	10000	4000
TOTAL		2681338	300000	120000