



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



**Scheme: Goat Development & Scientific Breeding through Goat Artificial Insemination**

**AIM :**

The aim of the scheme is to genetically improve the local goat population of the State by adopting advanced scientific breeding technology, Goat Artificial Insemination.

**SCHEME OBJECTIVE :**

- To genetically improve the goat population by introducing Artificial Insemination using semen of superior sires.
- To sensitize the farmers for enabling rapid goat herd multiplication & strengthening through goat AI.
- To produce superior kids with better production traits born out of AI.
- To avoid inbreeding in the herd and restrict indiscriminate breeding.

**SCHEME COMPONENTS :**

- **Capacity Building of Field AI Technicians-** Sixty Master Trainers (2 Veterinary Doctors in each district) will be imparted goat AI training for performing goat AI. These district level Master trainers shall provide on job training to other AI technicians in the respective district. The entire training program will be managed and supervised by the Veterinary Officers Training Institute in coordination with Directorate of AH&VS.
- **Procurement of Equipment and Instrument and Consumables-** The required input such as Frozen semen straw, Sheath, AI Gun, Speculum, Breeder thermometer, Head lens, Pregnancy detection Kit, lubricating gel tube etc. will be procured by the Directorate of AH & VS, Odisha, following approved financial procedure with technical support of OLRDS and FSB.
- **Training and Awareness Creation of Farmers-** Since identification of heat symptoms in goats are difficult, it is very crucial to undertake awareness programs among farmers by the farmers to detect heat symptoms. One day awareness cum training programmes should be organised at block levels by the concerned CDVO, to sensitize 20,000 farmers in batches; and emphasize on economic benefits of goat AI, methods of identification of heat, pre- and post-management care of inseminated doe, etc.

- **Breeding Services through Doorstep Goat AI-** The goat frozen semen will be used in the entire State for quick genetic up- gradation by using Black Bengal / Ganjam germ-plasm for improving the goat herd maintained by the farmers for enhancing the herd productivity within a shorter period of time. Total 1.50 lakh female goats will be covered under Artificial Insemination program.
- **Ear Tagging-** Prior to Artificially Insemination, ear tagging of the goat shall be mandatory done by the AI technician.
- **Database of Goat AI-** The AI technician shall maintain the data base of the goat inseminated, with date of insemination, details of farmer & address, animal to be inseminated, ear tag no, Aadhaar no.; contact no; follow up; kid born, etc. in the online Decision Support System (DSS) portal.
- **Follow up & Pregnancy Diagnosis-** The AI Technician will follow up the animals inseminated regularly after AI and maintain the records of confirmed conception, progeny born corresponding to the AI done in the online DSS portal. Early Pregnancy detection Kit will be used in 20% of the goats inseminated to ascertain pregnancy. Frequent field visit will be made by District supervising officers and Directorate level senior officers to access the progress of the scheme.

#### ELIGIBILITY:

- The willing farmers / entrepreneurs / individual members of WSHG.
- Priority shall be given to SCs and STs beneficiaries for taking up Goat AI programme at field level.

#### SOURCE OF FUNDS & CONTRIBUTION :

- State Plan

#### SCHEME OUTLAY :

Component	Amount (Rs. in Lakh)
Consumables & Equipment	807.50
Training	110.0
Administrative Cost	4.50
<b>Total Project Cost</b>	<b>922.0</b>

**DETAILED COST BREAKUP :**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Tentative Cost / Unit</b>	<b>Total Unit</b>	<b>Total (Rs. in Lakhs)</b>
<b>Consumables :</b>				
1	Semen Straw	70	450000	315.00
2	Sheath	6	450000	27.00
3	Lubricating Gel Tube (50 g)	140	40000	56.00
4	Incentive to AI Technician for AI and follow up	20	450000	90.00
5	Early Pregnancy Detection Kit (20% of the inseminated animal)	300	90,000	270.00
	<b>Sub-Total</b>			<b>758.00</b>
<b>Equipment / Instrument :</b>				
6	Vaginal Speculum	1000	1500	15.00
7	AI Gun for Goat	500	1500	7.50
8	Head Lamp	1000	1500	15.00
9	Breeders Thermometer	300	4000	12.00
	<b>Sub-Total</b>			<b>49.50</b>
<b>Training &amp; Awareness:</b>				
10	Creating Master Trainer	20,000	60	12.00
11	Training of VAS	8,000	200	16.00
12	Training of LI	6,000	700	42.00
13	Awareness of Farmer	200	20,000	40.00
	<b>Sub-Total</b>			<b>110.00</b>
	<b>Administrative Cost</b>			4.50
	<b>TOTAL</b>			<b>922.00</b>

**TENTATIVE DISTRICT WISE TARGET :**

<b>Sl. No.</b>	<b>District</b>	<b>Animals to be covered under AI Programme</b>	<b>AI Straw to be Supplied</b>
01	Angul	7880	23640
02	Bolangir	9720	29160
03	Baleshwar	5000	15000
04	Bargarh	6220	18660
05	Bhadrak	2500	7500
06	Boudh	4540	13620
07	Cuttack	6040	18120
08	Deogarh	3000	9000
09	Dhenkanal	3000	9000
10	Gajapati	3500	10500
11	Ganjam	6200	18600
12	Jagatsinghpur	5900	17700
13	Jajpur	6540	19620
14	Jharsuguda	2000	6000
15	Kalahandi	7040	21120
16	Kandhamal	5500	16500
17	Kendrapada	5040	15120
18	Keonjhar	8000	24000
19	Khordha	2300	6900
20	Koraput	3500	10500
21	Malkangiri	2500	7500
22	Mayurbhanj	9500	28500
23	Nawarangpur	2320	6960
24	Nayagarh	2500	7500
25	Nuapada	2860	8580
26	Puri	3520	10560
27	Rayagada	2600	7800
28	Sambalpur	8240	24720
29	Sonepur	4540	13620
30	Sundargarh	8000	24000
	<b>TOTAL</b>	<b>150000</b>	<b>450000</b>