

“Special Programme for Goat Development” as a part of National Mission for Protein Supplement (NMPS) under Rashtriya Krishi Vikas Yojana.

1. Introduction:-

Goat farming constitutes the means of livelihood of over 25 per cent of Odisha’s rural population. Goats are reared predominantly by the landless and marginal farmers and to a lesser extent by the small farmers too (together some 80 per cent), as a means of livelihood.

Odisha is also famous for the native germplasm like Ganjam, Black Bengal, Raighar, Badavihana. These breeds are unique in nature and adapt to the local situation very well.

The traditional goat husbandry system operates with the rearing of indigenous species in small numbers or in small flocks by individual families. The inputs in terms of financial investment for such type of venture are nearly zero and therefore, the productivity is also low in this conventional small holder system.

There are also farmers, who exclusively rear goats, with a flock size of 10 to 50 goats, who rarely adopt modern practices for better production. Under **National Mission for Protein Supplementation (NMPS), goat development programme has been taken up during** the year 2011-12 in our State and Government of India has further extended the programme in the current year 2012-13.

2. Objectives:-

For the economic upliftment of the farmers and to generate employment, goat farming would be promoted. The scheme envisages nutritional balance for consumers in terms of animal protein intake ensuring growth in meat production and holistic development of Animal Husbandry & Dairy sector.

Main objectives of the scheme are:-

- To set up goat units with scientific management for better price realization
- To promote better health care and management practices for higher productivity and higher returns
- To build the capacity of the local community member for undertaking goat production as a profitable enterprise
- To develop this project area as training, demonstration field with an intention for expansion and replication by involving the **people's participation.**
- To meet the demand of goat meat by improving the total production.

3. Details of Project activities:-

The activities proposed to be taken up under this project are as follows.

I. Promoting Intensive Goat Production

Farmers will be selected from those who are maintaining at least 10 or more goats for over a year by now and are willing to contribute half (50%) of the unit cost they are supposed to undertake. These farmers will be eligible for assistance. A unit size of 50 females and 3 male goats will be supported and a total of 266 units will be taken up in the state. As per the scheme, provision of metal feeders, health cover packages, vitamin/ mineral supplementation, insurance of supplied animals etc. will be made. The provision of silage pit as proposed in the project proposal of Govt. of India has been altered as per the need of our State. The savings so located under the component will be utilised to establish more number of goat units. The intensive goat production programme will be under taken in 24 districts of the State.

The approximate expenditure of one goat unit is mentioned below.

Component wise breakup of Unit Size 53 goats (50 does+3 bucks)

Sl No	Component	Cost (in Rs.)	Amount (Rs. in Lakh)
1	Cost of 3-5 months old female goat- 50 in numbers	1200	0.6000
2	Cost of 5 months old male goat – 3 in numbers	1800	0.0540
3	Construction of shed with local materials-300 sq.ft	70	0.2100
4	Medicine and Vaccine for 53 animals	70	0.0371
5	Feed for 2 months @ 250 gm/ day/ goat	10	0.0750
6	Metal Feeder- 3 in numbers, each for 20 goats	1800	0.0540
7	Insurance cost of animals		0.0123
	Approx		1.0424
	SAY		1.0400

Similarly establishment of 10 units with strength of 100 goats (95 does and 5 bucks) indicating the following estimate will be promoted in some of the districts.

Component wise breakup of Unit Size of 100 goats

Sl. No.	Component	Cost (In Rs/-)
1.	Cost of 3 month old female goats @Rs 1200/-x 95	1,14,000
2.	Cost of 5 month old male goats @Rs 1800/-x 5	9,000
3.	Construction of shed with local material (1000Sq.ft @ Rs 70/-)	70,000
4.	Medicine and vaccine @ Rs 70/- per animal	7,000
5.	Feed for 2 months @ 250gm per day per goat @ Rs 10/- per kg.	15,000
6.	Metal feeder @ 1800for 20 goats x 5	9,000
7.	Insurance cost of animals	12,460
	TOTAL	2,36,460
	Say	2,36,000

N.B. The provision of silage pit as proposed in the project proposal of Govt. of India has been altered and the cost has been added to construction of shed component.

Subsidy: - Under the scheme Government of Odisha has decided to provide 50% subsidy of the total project cost. This is expected to attract genuine entrepreneurs for intensive goat production. Out of the unit cost of Rs 1.04 lakh in respect of unit size of 50 goats, an amount of Rs 0.52 lakh (as 50% contribution) will be contributed by the farmers and rest of the amount will be met from the project. Similarly the contribution of farmer will be Rs 1.18 lakh in case of the units having 100 goats.

II. Improving productivity of goats under conventional small holder/ pastoral system

Another area of intervention would be at the clusters having a total population of 2000 goats in a radius of 10 Km area covering about 15-20 villages depending upon density and distribution of goats in the districts. This will be taken up in the districts of Mayurbhanja, Bolangir, Sundergarh, Keonjhar, Angul, Sambalpur and Kandhamal. The 20 clusters would be identified amongst these districts during the current year. The Owners'/ Goat rearers' names will be registered and veterinary health care to be provided to the goats of the beneficiaries. A lead farmer/ family member of the beneficiaries in the cluster area will be enrolled by the Department as Goat Scouts on contract basis. They will be responsible for identification of goat clusters, registration of names and for liaisoning with the District / Sub-Divisional and local Veterinary Institution for implementation of the scheme. The activities under the scheme would include provision of mass deworming, vaccination, area specific mineral mixture and fattening with concentrate feed at the rate of 250 gm per day for 60 days pre slaughter.

The cost of supporting one cluster is given below.

Sl No	Component	Cost (In Rs.)	Amount (Rs. in Lakh)
1	Cost of concentrate mixture for 2000 goats @250 gm per day for 60 days	10	3.00
2	Medicine and vaccine per goat and followers	70	1.40
3	Training cost of Scout	3000	0.03
4	Scout's remuneration for 18 months	3000	0.54
	Total per cluster		4.97
	Say		5.00

Under the scheme, 100 % assistance will be given.

4. Project Implementation

- a) The Department of Fisheries and Animal Resources Development Department will act as the Nodal Agency for implementation.
- b) The project will be implemented under RKVY as per the existing and specified guidelines.
- c) Panchayati Raj Institutions will also be involved in the implementation of the project to ensure a greater degree of effectiveness.
- d) All components under the scheme will provide assistance in form of subsidy for identified activities to the beneficiary and funds will be channelized to these entities through the State Government. Referring to the instructions of State Government, Odisha for limiting the subsidy to 50% of the unit cost, the scheme is required to be implemented involving the livestock owners of all categories. It is not possible to identify all the beneficiaries out of SC/ST communities and BPL families in rural areas, who can afford to bear 50% of the project cost. However, preference would be given to SC/ST communities and BPL families.
- e) Subsidy on the approved items will be provided through outlays earmarked under the scheme. The balance amount towards costs of projects for these items may be obtained as loans made available to the beneficiary through other sources or will be arranged by beneficiaries themselves.

5. District Synopsis:

The District wise physical target and financial outlay thereof in respect of both **“Intensive Goat Production units and Establishment of Goat Clusters”** under the Project is communicated to Districts.

6. Selection of beneficiaries for goat Units:

1. Farmers will be selected from those who are maintaining at least 10 or more goats for over a year by now.
2. The farmers should have willingness to contribute half of the unit cost they are supposed to undertake and will undertake to run the farm at least with 50 breeding does.
3. The beneficiaries will be selected by local VAS, local Sarpanch, representative of BDO, and SDVOs concerned.
4. The persons already availed financial benefits in other schematic programmes like KSK, SGSY etc will not be considered for taking up this activity.
5. The beneficiaries will furnish undertaking with the local VAS in respect of continuance of the farm.
6. The beneficiary is supposed to erect a sign board mentioning “Goat Farm under NMPS”.
7. The list of selected beneficiaries will be sent to CDVO for its approval.
8. Any clarification will be referred to Directorate of AH&VS.

7. Selection of clusters:

1. The cluster should be selected taking into account the villages having a population of 2000 goats in a radius of 10 Km covering about 15-20 villages depending upon the density and distribution of goats.
2. The activity “Improving productivity of goats under conventional small holder/ pastoral system” will be taken up in the villages other than the BAIF operating villages.

3. The clusters should be limited to one Block preferably. The CDVO should select the Sub-Division; SDVOs the Block and the VAS concerned should select the villages where the activity will be taken up.
4. The villages with good communication facilities and nearer to the Veterinary Service Institutions should be preferred under a cluster.
5. An annual calendar for vaccination and deworming of goats in each cluster areas will be prepared by CDVO under intimation to this Directorate.
6. The CDVOs will purchase the medicines for this activity under NMPS observing due financial procedures with regard to the approved price of the Directorate. The approved list of medicines will be circulated to all the CDVOs concerned.
7. Vaccination of goats under NMPS will be carried out as per the normal vaccination programme on priority basis. The user charges as applicable will be collected from the beneficiaries. The requirement of different vaccines & their doses for vaccination of goat populations under NMPS will be separately intimated to the Directorate.
8. As the goats in our state are normally marketed between 9-10 months, the supplementary feed should be provided during 7th and 8th month of age.
9. The CDVOs are free to procure and formulate goat feed from locally available ingredients. The feed so prepared must not contain less than 14% crude protein (CP). While procuring feed due procedure should be followed at district level as laid down by Govt. They may also procure feed either from any Govt. Agency like OPOLFED/UGS/OMFED/Agro Industries Corporation or from BAIF.
10. The concentrate goat feed may contain Gram-15%, Maize-37%, Oilcake-25%, Bran-20%, Mineral mixture-2.5% and Common salt-0.5%.
11. No additional transportation cost will be made available for supply of feed at the farmer's doorstep.

8. Selection of Goat Scouts:

1. A lead farmer/ family member of the beneficiaries in the cluster area may be selected as Goat Scout for smooth and easy execution of the programme.
2. The Goat Scout will be selected by a committee under the Chairmanship of CDVO comprising Dist Agriculture Officer or his representative, concerned SDVO and VAS as member.
3. The candidate to be engaged as Goat Scouts should have passed 10th standard and have aptitude to work in animal husbandry sector.
4. The selection of candidates will be made on the basis of a formal interview.
5. The selected individual will be trained and enrolled by the Department as **Goat Scouts** on contract basis.
6. The Goat Scouts will be responsible for identification of goat clusters, registration of names and for liasioning with the District / Sub-Divisional and local Veterinary Institution for implementation of the scheme.
7. The Goat Scouts will be provided with remuneration of Rs 3000/-per month for 18 months depending upon their performance.
8. The performance of Goat Scouts will be monitored by the concerned VAS on monthly basis.
9. An agreement will be made with the Goat Scout by the CDVO before allowing him to work, referring to the agreements made with Gomitras already available at their end.
10. The training of Goat Scouts will be conducted at LITC, Chipilima or any other institutions as intimated by the Directorate.

9. Mode of assistance:

1. The subsidy to beneficiaries will be back ended.
2. Out of the unit cost of Rs 1.04 lakh, Rs 0.52 lakh in case of 53 goat units and out of unit cost Rs 2.36 lakh, Rs 1.18 lakh (as 50% assistance) will

be met from the project and rest of the amount will be contributed by the beneficiaries.

3. The activities under the scheme “Improving productivity of goats under conventional small holder/ pastoral system” would include provision of mass deworming, vaccination, area specific mineral mixture and fattening with concentrate feed at the rate of 250 gm per day for 60 days pre marketing.
4. The activities like mass deworming, vaccination, supply of area specific mineral mixture and concentrate feed will be taken up by CDVOs of the districts through the field functionaries of ARD department.

10. Release of subsidy:

1. The subsidy amount will be released directly to the beneficiaries under the scheme “Intensive Goat Production Units” by CDVOs in three installments (40% +40% +20%). The first phase of 40% (Rs 20,800/-) will be released after completion of shed for goats, 2nd installments of 40% (Rs 20,800/-) after purchase of parent stock of goats and the 3rd installments of 20% (Rs 10,400/-) after successful functioning of the unit for 2months.
2. The subsidy will be released only after production of completion certificate of individual components from the concerned VAS.

11. Animal Health Care & Feeding Management

- a) The Animal Husbandry & Veterinary Services Department is having a wide network to provide veterinary & animal husbandry services.
- b) The feed, deworming medicines, vaccines will be made available to the beneficiaries and their effective use will be monitored by the CDVOs.
- c) The health certificate will be furnished by the local VAS only after induction of animals to the farm and steps will be taken for insurance of animals.
- d) Vaccination of goats will be made as per the routine vaccination programme of the Department on priority basis.

- f) Deworming of goats will be done thrice a year. The beneficiary will purchase deworming medicines, feed supplements, and liver extracts etc., under the prescription of local VAS/AVAS. The beneficiary has to produce the bill at the time of release of subsidy. On body of the bill a certification regarding utilisation of the medicines must be obtained from the local Livestock Inspector or VAS.
- g) The metal feeder will be made locally with the specification of (Length- 5', Width-1' and Height- 6 inch).

12. Monitoring & Reporting:

1. At the field or village level, the Panchayats will be involved in overseeing the process of implementation. At the district level, reporting and reviewing will be undertaken by the Chief District Veterinary officer supported by other line Departments and respective Panchayati Raj Institutions. The activities of the programme will be reviewed by Commissioner –Cum-Secretary to Govt. of Odisha, Fisheries and Animal Resources Development Department at regular interval. At the State level the status of implementation of the project will be reviewed by the State level Monitoring Committee under the Chairmanship of Agriculture Production Commissioner (APC), Odisha. The State Department of Agriculture will ensure the submission of QPR which would reach the Department of Agriculture & Co-operation, Ministry of Agriculture within 20 days of completion of the quarter. Similarly, the detailed Annual Progress Report (APR) would be sent within 2 months after end of the year.
2. The CDVOs of implementing districts will prepare the monthly/ Quarterly and Annual progress reports indicating physical and financial achievements and furnish the same to the Directorate of AH&VS in prescribed proforma.
3. The programme will be monitored and evaluated periodically regarding mortality rate, pre weaning & post weaning body weight, milk yield, flock size of farmers, mortality rate of adults, disease occurrence, deworming and vaccinations of goats at farmers end, income from goat keeping etc before and after intervention of the programme by utilizing the services of

Goat scout and other field functionaries under the supervision of the CDVOs and to have effective impact study of the programme later.

4. One register will be maintained at Veterinary Dispensary level to record the relevant information
5. The Directorate of AH&VS will furnish the reports periodically in prescribed proforma to Department of Agriculture of the State.
6. Details of beneficiaries and area covered under the scheme will be placed on the Department website, and also it would be mentioned in the progress report.
7. Accounts of implementing agency shall be subject to audit by Chartered Accountants appointed by the Govt. and / or by such other officers of Government of State Government as required under rules and a report in this regard will be intimated to the Ministry of Agriculture.

13. Outputs

The implementation of the project will be to realize the designed quantitative outputs during the period of the project.

- Reduction of mortality rate by 10 %
- The body weight gain and growth will be enhanced and the overall production of goat meat from the villages will increase by 5 %.
- Awareness regarding adoption of modern practices like health care, feeding etc. will be increased
- The families in the village will adopt improved health care measures to enhance the productivity.
- The number of villagers who are rearing goat will increase.
- Increase in the flock size, with enhanced feed supply, in relation to the carrying capacity of the land
- Higher price realization on selling of goat, up to the extent of 20 % of the current realization
- 10-20% increase in the net income from the current level

Apart from the above goat-keeper level impact, a strong message of self reliance for development will evolve from such projects as the Scouts will emerge as a service provider for goat keepers in remote areas.

**Modifications made in the original guideline of Government of India for
smooth implementation of Goatery development Programme under NMPS
in Odisha**

1. The beneficiary will avail 50 % back ended subsidy for intensive goat production.
2. Emphasis will be given for setting up 50 doe and 3 buck unit with a project cost of Rs. 1.04 lakhs
3. The silage pit component has been deleted from project cost and the construction of shed cost has been enhanced to Rs. 70/- per Sq. ft from Rs.50/- per sq ft and the cost towards insurance of animals has been enhanced in case of unit size of 100 goats.
4. The shed construction area has been increased from 600sq ft.to1000 sq ft for setting up 100 goat unit.
5. Since 100 % subsidy is not provided under the scheme, the beneficiary selection is not limited to SC/ST community and BPL category. However, preference will be given to SC/ST community and BPL category farmers.
6. A lead farmer/ family member of the beneficiaries in the cluster area may be selected as Goat Scout for smooth and easy execution of the programme.
7. Selection procedure of Goat Scout, cluster area, identification of beneficiary, and other implementation norms have been prepared in consultation with the Chief District Veterinary Officers of the State.