

PROJECT REPORT ON GOAT FARMING

SCHEME- NATIONAL LIVESTOCK MISSION

PROJECT UNIT- 525(500 DOES+ 25 BUCKS)

PROPRIETOR- -----

ADDRESS- VILLAGE -----, P.O - -----

BLOCK -----

DISTRICT – -----PIN----- (ODISHA)

MOBILE / WHATSAPP NO -----

EMAIL ID -----

PREPARED BY- Dr.-----

BVSC and A.H

ReGd. No. - OVC -XXXX

Veterinary Asst. Surgeon, Veterinary Hospital, XXXXXXXXX

Block- XXXX

PIN- XXXXX

DISTRICT- XXXXXXX ODISHA

Mobile- XXXXXXXXXX

INTRODUCTION

1. Project description

Goat is a multi-functional animal and plays a significant role in the economy and nutrition of landless, small and marginal farmers in the country. Goat rearing is an enterprise which has been practiced by a large section of population in rural area. Goats are among the main meat-producing animals in India and has huge domestic demand. Benefits of commercial goat farming are many such as Goats are multi-purpose animals which can produce milk, meat, fibre, skin together. Goat Farming require less space, less additional facilities & low management skills. Production costs like infrastructure, feeding and treatment are less. There is market facility for live animals & meat in the localities. Goats can adapt themselves with almost all types of agro-climatic conditions. Goat products like meat and milk has no religious taboo & widely accepted for consumption.

In present time, goat rearing under intensive and semi-intensive system for commercial production has been gaining momentum. A number of commercial goat farms have been established in different regions of the country.

2. Project Location

The Goat Farm is to be constructed at the **village-Dahibhata, Block - Nandahandi, Post - Nabarangpur, District Nabarangpur**, Odisha. The given location is only 1 km away from the Borigumma-Bargarh National Highway (NH-201) and only 5 km away from Nabarangpur Town, where assured market round the year is available. It is easily accessible to the main road, due to the availability of a good pitch road.

(The applicant will customize the location as per need of the project)

3. Housing

The houses will be semi-closed type & orientation will be East- West direction. There will be sloppy roof for the comfort of the goats.

1. Maximum length of shed = 100 ft.
2. Width of the shed = 15-20 ft.
3. Central height=3 mtrs., Side height= 2 mtrs.
4. Height of North & South side walls=1 mtr.(50% of side height)

There will be separate houses for keeping different category of goats such as - (dry, pregnant, lactating, sick bucks & kids). Shed premises will have sufficient plantation which protects the animals from direct wind & scorching sun during summer. At least 2 trees in each paddock will be planted.

Housing will be constructed on a raised platform (about 1 meter height from ground level). Pakka building by establishing concrete pillars will be constructed for durability. Elevated platform will be made of wooden material/ fiber slat. Side walls will be made up of concrete wall and wire mesh. Roof will be of asbestos sheets. Average floor space per adult female is 10 sq.ft, that of adult male is 20 square ft and that of kid is 4 square ft. Floor should have at least 1 cm space between bamboos/wooden planks to allow passage.

Feeding Mangers:

Concrete/brick partition with GI pipe at a distance of 30 cm would be will be constructed

Watering:

1. For adult: - made of concrete/bricks. Size: ID: 4.80x0.90x0.37m.
2. For young animals (3-6 Months) : 3.60x0.75x0.30 m.
3. For kids (0-3 months) : Plastic tubs of 8-10 litre capacity will be used

(The applicant will customize the house as per need of the project without altering the floor space)

4.Feed & Fodder cultivation

Fertile land with assured irrigation facilities is available so that fodder crops could be successfully raised and abundant good quality green fodders will be made available for animal feeding throughout the year.

5.Water

Good quality fresh water for animal drinking and for the cleaning, washing etc.is available.**River Sona** is flowing 300 meter away. There is also a pond near the proposed site.

(The applicant will customize the water source to provide clean and safe drinking water.)

6.Labour

Honest, economic and regular supplies of labors are available in the project area.

7.Veterinary aid

Veterinary aid facilities are available near the proposed goat farm.

8. Market potential

Most of the people of Odisha are meat eaters which is approximately 80% of the total population. They prefer goat meet than any other meat or chicken. In all ceremonies, people like goat meat in their menu. So, market demand of goat meat is high Purchasing power of the people is on the rise and there is a distinct shift in consumption patterns, Non-Veg now becoming almost an essential part of the diet. Mutton is relished by people more than chicken or

beef /pork (Consumed by a select section). Availability of Mutton is less than the demand. It requires smaller investments and is not as risky a business proposition as compared to Dairy. Sale of goats/goat meat is never a problem for the above-mentioned reasons. India occupies first position in terms of goat population and milk production. The demand for goat meat is increasing faster than the growth in goat population. Goat plays a significant role in providing supplementary income and livelihood to millions of resource poor farmers and landless labourers of rural India

9.Export Potential

The scope for exports too is huge, however for selling goat meat abroad one has to adhere to strict phytosanitary conditions and standards of the respective nation

Economics of the project

A model economics for goat farming with 525 numbers is given below. This is indicative and applicable input and output costs and the parameters observed at the field level may be incorporated. An entrepreneur willing to establish goat farm of 525 Capacity may refer this project report and customize the same as per the local condition, since the Techno-Economic parameters may differ on a case by case basis.

A. BASIS AND PRESUMPTIONS.

| Techno-economic parameters | | | |
|----------------------------|---|----------|----------------|
| | Particulars | Unit | Quantity |
| 1 | Breed of goat | | Black Bengal |
| 2 | System of rearing | | Semi Intensive |
| 3 | No.of does | | 500 |
| 4 | No.of bucks | | 25 |
| 5 | Age of maturity | months | 10-12 |
| 6 | Kidding Interval | months | 8 |
| 7 | No.of kidding | Per year | 1.5 |
| 8 | Kidding percentage | % | 80 |
| 9 | Average litter size(average of single,twinning,triplet) | | 1.5 |
| 10 | Sex ratio | | 1:1 |
| 11 | Mortality of kids | % | 10 |
| 12 | Saleable age of kids | months | 11 |
| 13 | Payback period 6 years including moratorium for the 1 st year. | | |

| Expenditure norms | | | |
|--------------------------|--|--------------|-------------|
| 1 | Space requirement per head for buck | Sq. Ft | 20 |
| 2 | Space requirement per head for doe | Sq. Ft | 10 |
| 3 | Space requirement per head for kid | Sq. Ft | 04 |
| 4 | Cost of construction of shed for buck, doe and kid | Rs/Sq Ft | 300 |
| 5 | Cost of doe(Female) | Rs | 8000 |
| 6 | Cost of one buck | Rs | 10000 |
| 7 | No of unskilled labour | nos | 03 |
| 8 | Cost of semi skilledlabour per annum | Rs | 72000 |
| 9 | Cost of chaff cutter 2 | Rs | 20000 |
| 10 | Requirement of concentrate feed(adult animal/month) | Kg | 7.5 |
| 11 | Requirement of concentrate feed(kid/month) | Kg | 3 |
| 12 | Rate of concentrate/ Kg | Rs | 20 |
| 13 | Miscellaneous expendinturei.e Veterinary aid, /animal/year | Rs | 10000 |
| 14 | Electricity and water supply | Rs per month | 3000 |
| 15 | Rate of interest for bank loan. | % | 12 |
| 16 | Own contribution in project cost | % | 25 |
| Income norms | | | |
| 1 | Sale price of buck (at the age of 11 months) | Rs | 8000 |
| 2 | Sale price of doe (at the age of 11 months) | Rs | 6000 |

| Sl. No | PARTICULARS | UNIT | UNIT/RS | QUANTITY | AMOUNT(Rs) |
|---|---|-------------|---------|----------|------------------|
| 1 CAPITAL COST | | | | | |
| 1 | Land | | | | Own |
| 2 | Site development | | | | 100000 |
| 3 | Cost of does | No | 8000 | 500 | 4000000 |
| 4 | Cost of bucks | No | 10000 | 25 | 250000 |
| 5 | Shed of does | Sq.Ft | 300 | 5000 | 1500000 |
| 6 | Shed of bucks | Sq.Ft | 300 | 500 | 150000 |
| 7 | Shed of kids (800 kid) and sick pen | LS Sq.Ft | 300 | 3500 | 1050000 |
| 8 | Equipment for feeding | LS | | | 100000 |
| 9 | Chaff cutter | No | 10000 | 2 | 20000 |
| 10 | Rope chains | LS | | | 10000 |
| 11 | Water storage and distribution | LS | | | 100000 |
| 12 | Contigencies | LS | | | 200000 |
| TOTAL A | | | | | 74,80,000 |
| Sl. No | PARTICULARS | UNIT | UNIT/RS | QUANTITY | AMOUNT(Rs) |
| 1 Working capital (1st year requirement) | | | | | |
| 1 | Fodder cultivation | Acre/season | 50000 | 2 | 100000 |
| 2 | Concentrate feeds for 02 months @7.5 Kg/ animal/month | Kg | 20 | 8000 | 160000 |
| 3 | Cost of concentrate feed for kids @3 Kg/month/kid | Kg | 20 | 2500 | 50000 |
| 4 | Wages of labour per annum | Per labour | 72000 | 3 | 216000 |
| 5 | Insurance | % | 7.5 | | 318750 |
| 6 | Miscellaneous Expinditure | | | | 100000 |
| 7 | Electricity and water supply | | | | 35000 |
| 8 | Transport charges | | | | 10000 |
| TOTAL B | | | | | 9,89,750 |
| TOTAL PROJECT COST (A+B) | | | | | 84,69,750 |

Means of finance

| Particulars | Unit | Unit Rate | Amount Rs |
|---|------|--------------|-------------------|
| Term Loan | % | 80 | 6775800.00 |
| Own contribution | % | 20 | 1693950.00 |
| | | Total | 8469750.00 |
| Subsidy entitlement@ 50% at capital cost (Rs. 7480000)= Rs.37,40,000/- | | | |

Projected performance & Profitability

| 1. FLOCK PRODUCTION CHART | | | | | | | |
|---|--|--------|---------|----------|---------|--------|---------|
| Sl no | Particulars | I year | II year | III year | IV year | V year | VI year |
| 1 | Nos of kidding/ year | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | No of kid/litter | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 2 | Nos of kids born | 900 | 900 | 900 | 900 | 900 | 900 |
| 3 | Nos of kids died (kid mortality approx @10%) | 100 | 100 | 100 | 100 | 100 | 100 |
| 4 | Nos of adult goat | 800 | 800 | 800 | 800 | 800 | 800 |
| 6 | Nos of animal available for sale 400 male+ 400 female | 800 | 800 | 800 | 800 | 800 | 800 |
| Kids produced in I year will be sold in II year & so on | | | | | | | |
| | Nos of animal available for sale | | 800 | 800 | 800 | 800 | 800 |

Projected profitability

| | Particulars | unit | Unit rate | Quantity | I year | II Year | III year | IV Year | V Year | VI Year |
|-----------------------|------------------------------|-------------|-----------------------|----------|------------------|------------------|------------------|----------------|----------------|----------------|
| 1 | From sale of animal | | 6000/doe 8000/buck | 800 | 5600000 | 5600000 | 5600000 | 5600000 | 5600000 | 5600000 |
| 3 | Manure | Ton | 5000 | 100 | 500000 | 500000 | 500000 | 500000 | 500000 | 500000 |
| 4 | Interest on subsidy @ 6% | | | | | 224400 | 224400 | 224400 | | |
| 5 | subsidy | | | | | 37,40,000 | | | | |
| | Total | | | | 6100000 | 10064400 | 6324400 | 6324400 | 6100000 | 6100000 |
| B. Expenditure | | | | | | | | | | |
| | Concentrate feeds | Rs/Kg | 20 | 8000 | 160000 | 160000 | 160000 | 160000 | 160000 | 160000 |
| | Concentrate feed for kids | Rs/Kg | 20 | 2500 | 50000 | 50000 | 50000 | 50000 | 50000 | 50000 |
| | Fodder cultivation | Acre/year | 50000 | 2 | 100000 | 100000 | 100000 | 100000 | 100000 | 100000 |
| | Unskilled workers | Nos | 72000 | 03 | 216000 | 216000 | 216000 | 216000 | 216000 | 216000 |
| | Miscellaneous Expenditure | Animal/year | 250 | 525 | 100000 | 100000 | 100000 | 100000 | 100000 | 100000 |
| | Insurance of animals | | | | 318750 | 318750 | 318750 | 318750 | 318750 | 318750 |
| | Electricity and water supply | | | | 35000 | 35000 | 35000 | 35000 | 35000 | 35000 |
| | Transport charges | | | | 10000 | 11000 | 12000 | 13000 | 14000 | 15000 |
| | TOTAL | | | | 989750 | 990750 | 991750 | 992750 | 993750 | 994750 |
| | Net Income | | | | 51,10,250 | 90,73,650 | 53,32,650 | 5331650 | 5106250 | 5105250 |

Summary of the project

All the aspects of the project such as

Promoters background Experience,
projects capacity,
project location,
cost of project and means of financing,
availability of utilities ,
Market prospects and selling arrangements
Enviromental Aspects.

Has been deeply studied for the above Project and found appropriate to establish the unit.

Detailed project report is now submitted for necessary action.

Designation

Address