

# **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 <sup>st</sup> year.		

<b>Expenditure norms</b>			
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
<b>Income norms</b>			
1	Sale price of buck (at the age of 11 months)	<b>Rs</b>	<b>8000</b>
2	Sale price of doe (at the age of 11 months)	<b>Rs</b>	<b>6000</b>

Sl. No	PARTICULARS	UNIT	UNIT/RS	QUANTITY	AMOUNT(Rs)
<b>1 CAPITAL COST</b>					
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
<b>TOTAL A</b>					<b>74,80,000</b>
Sl. No	PARTICULARS	UNIT	UNIT/RS	QUANTITY	AMOUNT(Rs)
<b>1 Working capital (1st year requirement)</b>					
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
<b>TOTAL B</b>					<b>9,89,750</b>
<b>TOTAL PROJECT COST (A+B)</b>					<b>84,69,750</b>

## Means of finance

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

## 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				
	<b>Total</b>				6100000	10064400	6324400	6324400	6100000	6100000
<b>B. Expenditure</b>										
	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
	<b>TOTAL</b>				<b>989750</b>	<b>990750</b>	<b>991750</b>	<b>992750</b>	<b>993750</b>	<b>994750</b>
	<b>Net Income</b>				<b>51,10,250</b>	<b>90,73,650</b>	<b>53,32,650</b>	<b>5331650</b>	<b>5106250</b>	<b>5105250</b>

## ***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