

# **PROJECT REPORT FOR SHEEP FARM**

**100 DOES + 04 BUCKS**



### TECHNICAL PARAMETERS

	No. of Bucks	4
	No. of Does	100
<b>A.</b>	<b>Production Traits</b>	
	Age at Maturity (Months)	10-12 months
	Kidding interval (Months)	8
	Kidding percentage	85%
	Twinning percentage	60%
	No. of kiddings per year	1.5
	Sex ratio	1:01
	Mortality(%) Adults	5%
	Kids	10%
	Saleable age of kids (months)	08 - 09 months
	Culling of does (% per year) from second year onwards	20
<b>B.</b>	<b>Expenditure norms</b>	
	Space requirement (st.per head)	
	Buck	20
	Doe	10
	Kids	5
	Cost of construction (Rs.per sft)	200
	Cost of equipment (Rs.per adult animal)	30
<b>C.</b>	<b>Cost of Animal</b>	
	a) Buck	5000
	b) Does	4000
<b>D.</b>	<b>Cost of Feed &amp; Fodder</b>	
	a) Cost of green fodder cultivation (Rs./acre)	4,000
	b) No. of acres	2
	<b>Concentrate feed</b>	
	a) Adult does (one month before breeding and one month after kidding i.e. per kidding)	6.75 kg per month
	b) Bucks (two months per breeding season)	7.5 kg per month
	c) Kids (for 30 days)	3.75 kg per kid
	Cost of conc. Feed (Rs./kg)	11
	Labour (No.)	2
	Labour wages (Rs.per day)	200
	Insurance (as percentage of the cost of breeding stock)	5%
	Veterinary aid (Rs./adult/year)	25
	Water, electricity and other misc. expenses (Rs./adult)	20
<b>E.</b>	<b>Income norms :</b>	
	Sale price of Mail kids (Rs./kid)	4200
	Sale price of Female Kids (Rs./kid)	3700
	Sale of culled does (Rs./doe) @ 20% from third year onwards	3500
	Sale price of culled Buck (Rs./buck) @ 25% from third year onwards	4000
	Income from manure is not assumed as it is used on the own farm	
	Sale of Gunnyu bags (Rs./bag) (13.3 bags / tonne)	10
<b>F.</b>	<b>Repayment norms:</b>	
	Repayment period (years)	6
	Grace Period (years)	1
	Interest rate(%)	12%

### UNIT COST FOR (100 + 4) GOATERY PROJECT

S.N.	Items	Nos.				Rate		Amount
	<b>CAPITAL COST</b>							
<b>A.</b>	<b>CIVIL CONSTRUCTION</b>							
1	Shed for Does	100	Nos.	20	sq. ft	200	per sq. ft	400,000.00
2	Shed for Bucks	4	Nos.	10	sq. ft	200	per sq. ft	8,000.00
3	Shed for kids	122	Nos.	5	sq. ft	200	per sq. ft	122,400.00
4	Office-cum-Store	0	Nos.	0	sq. ft	0	per sq. ft	-
<b>B.</b>	<b>WATER SUPPLY</b>							
1	Dugwell / Tube well					LS		60,000.00
<b>C.</b>	<b>EQUIPMENT AND MACHINERY</b>							
1	Chaff cutter					LS		12,000.00
<b>D.</b>	<b>COST OF ANIMALS</b>							
1	Buck	4	nos.			5000	per does	20,000.00
2	Does	100	nos.			4000	per buck	400,000.00
	<b>RECURRING EXPENDITURE</b>							
<b>E.</b>	<b>INSURANCE</b>							
1	Buck	4	nos.			250	per does	1,000.00
2	Does	100	nos.			200	per buck	20,000.00
<b>F.</b>	<b>OTHERS</b>							
1	Veterinary aid	104	nos			25	per goat	2,600.00
2	Fodder cultivation	2	acres			4,000	per acre	8,000.00
3	Supplementary							
a.	Does	100	nos	6.7	kg / month	60	days	40,200.00
b.	Bucks	4	nos	7.5	kg / month	60	days	1,800.00
c.	Kids	122	nos	3.75	kg / month	30	days	13,770.00
8	Labour wages	2	no.	200	per day	12000	per month	144,000.00
9	<b>Total Cost</b>							<b>1,253,770.00</b>
10	Margin Money @25% of total cost							313,442.50
11	Bank loan @75% of total cost							940,327.50

**FLOCK PROJECTION CHART**

Sl. No.	Particulars	Year					
		I	II	III	IV	V	VI
	Kidding Nos.	1	2	1	2	1	2
A.	Opening Stock - Adult Bucks	4	4	4	4	4	4
	Adult Doe purchased stock	100	100	100	100	100	100
B.	Birth during the year						
	Male Kids	68	136	68	136	68	136
	Female Kids	68	136	68	136	68	136
C.	Mortality						
	Male Kids	7	14	7	14	7	14
	Female Kids	7	14	7	14	7	14
D.	Sale during the year						
	Male Kids	61	122	61	122	61	122
	Female Kids	61	122	61	122	61	122

## ECONOMICS OF GOAT FARMING

S.N.	Particulars	Years					
		I	II	III	IV	V	VI
<b>1</b>	<b>Income</b>						
<b>a)</b>	<b>Sale of animals</b>						
	Sale of adult Buck	-	-	4,000	-	4,000	-
	Sale of adult Doe	-	-	70,000	-	70,000	-
	Sale of Male Kids	-	257,040	514,080	257,040	514,080	257,040
	Sale of Female Kids	-	226,440	452,880	226,440	452,880	226,440
<b>b)</b>	<b>Sale of gunny bags</b>	10,000	10,000	10,000	10,000	10,000	10,000
<b>c)</b>	<b>Sale of manure</b>	15,000	30,000	30,000	30,000	30,000	30,000
	<b>Total income</b>	<b>25,000</b>	<b>523,480</b>	<b>1,080,960</b>	<b>523,480</b>	<b>1,080,960</b>	<b>523,480</b>
<b>2</b>	<b>Expenditure</b>						
a)	Green fodder cultivation cost	8,000	8,000	8,000	8,000	8,000	8,000
b)	Feed cost						
	Bucks	1,800	1,800	1,800	1,800	1,800	1,800
	Does	40,200	40,200	40,200	40,200	40,200	40,200
	Kids	13,770	13,770	13,770	13,770	13,770	13,770
c)	Medicines/Vet. charges	2,600	2,600	2,600	2,600	2,600	2,600
d)	Insurance	21,000			21,000		
e)	Misc.(Electricity charges etc.)	5,000	5,000	5,000	5,000	5,000	5,000
f)	Labour wages	144,000	144,000	144,000	144,000	144,000	144,000
	<b>Total Expenditure</b>	<b>236,370</b>	<b>215,370</b>	<b>215,370</b>	<b>236,370</b>	<b>215,370</b>	<b>215,370</b>
	<b>Gross Profit</b>	<b>(211,370)</b>	<b>308,110</b>	<b>865,590</b>	<b>287,110</b>	<b>865,590</b>	<b>308,110</b>

# **REPAYMENT SCHEDULE**

Particulars	Year					
	I	II	III	IV	V	VI
Principal Outstanding	940,328	940,328	752,262	564,197	376,131	188,066
Interest due	112,839	112,839	90,271	67,704	45,136	22,568
Principal Repayment	0	188,066	188,066	188,066	188,066	188,066
<b>Total Repayment</b>	<b>112,839</b>	<b>300,905</b>	<b>278,337</b>	<b>255,769</b>	<b>233,201</b>	<b>210,633</b>
<b>Gross Profit</b>	<b>(211,370)</b>	<b>308,110</b>	<b>865,590</b>	<b>287,110</b>	<b>865,590</b>	<b>308,110</b>
<b>Net Profit</b>	<b>(324,209)</b>	<b>7,205</b>	<b>587,253</b>	<b>31,341</b>	<b>632,389</b>	<b>97,477</b>
<b>Debt Service Coverage Ratio (DSCR)</b>	<b>(0.87)</b>	<b>1.40</b>	<b>3.43</b>	<b>1.39</b>	<b>3.91</b>	<b>1.57</b>
<b>Average DSCR</b>	<b>1.80</b>					
<b>Internal Rate of Return</b>	<b>73</b>					

### REPAYMENT SCHEDULE

Particulars	Year						Total
	I	II	III	IV	V	VI	
Income	25,000	523,480	1,080,960	523,480	1,080,960	523,480	3,757,360
Project Cost	1,253,770	-	-	-	-	-	1,253,770
Recurring cost net capitalized	236,370	215,370	215,370	236,370	215,370	215,370	1,334,220
<b>Total Cost</b>	<b>1,490,140</b>	<b>215,370</b>	<b>215,370</b>	<b>236,370</b>	<b>215,370</b>	<b>215,370</b>	2,587,990
Cash flow	25,000	523,480	1,080,960	523,480	1,080,960	523,480	3,757,360
<b>Net Cash flow</b>	<b>25,000</b>	<b>523,480</b>	<b>1,080,960</b>	<b>523,480</b>	<b>1,080,960</b>	<b>523,480</b>	
Discount Factor (15%)	0.87	0.76	0.66	0.57	0.50	0.43	
Discounted Income	21,739	395,826	710,749	299,301	537,428	226,315	2,191,358
Discounted Cost	1,295,774	162,851	141,609	135,145	107,077	93,110	1,935,567
Discounted Cash Flow	21,739	395,826	710,749	299,301	537,428	226,315	2,191,358
Discounted Factor at HRD	0.74	0.55	0.41	0.30	0.22	0.17	
Discounted cash flow at HRD	16,103	217,189	288,878	90,110	119,854	37,386	<b>769,520</b>
Discounted Factor at LRD	0.77	0.59	0.46	0.35	0.27	0.21	
Discounted cash flow at LRD	16,722	234,217	323,509	104,794	144,745	46,887	<b>870,874</b>
Bank Interest Rate (BIR)	12%						
Higher Rate of Discounting (HRD)	35						
Lower Rate of Discounting (LRD)	30						
<b>Internal Rate of Return (IRR)</b>	<b>73</b>						