

## UNDER DEVELOPMENT - PROJECT REPORT OF A GOAT FARM

PREPARED BY

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### A Overview

Name of the Proprietor	purna chand
Address	vijayawada
Initial unit size	7 + 200
Project Cost (Rs.)	1,732,800
Bank Loan (Rs.)	-8,662,267,20
Margin Money (Rs.)	0
Repayment period (years)	4
Loan rate of interest (%)	12

### B Techno-Economic Parameters

Cost of each ram (Rs.)	4,000
Cost of each ewe (Rs.)	4,000
Lambing percentage	95
Lamb mortality percentage	5
Irrigated land required for fodder production (acres)	22.00
Covered area required for each animal including storage area (sq.ft.)	12
Cost of construction of livestock shed and store room (Rs/sq.ft.)	100
Cost of production/purchase of green fodder (Rs/kg)	0.50
Cost of concentrate feed (Rs/kg)	13.00
Cost of veterinary aid per animal per year (Rs.)	75
Cost of electricity and water per animal per year (Rs.)	20
Rate of livestock insurance premium (%)	4
Annual wages of each farm labourer (Rs.)	90,000
Slaughter weight of lambs at 6 months of age (Kg)	28
Sale price of lambs (Rs/Kg live weight)	250
Sale price of manure (Rs/Kg)	1.00
Sale price of empty livestock feed gunny bags (Rs.)	10
Ewe lambs shall be retained until desired flock strength is achieved.	
Ewes shall be reared for at least two breedings seasons before being culled at the rate of 20% per year.	
Rams shall be replaced with fresh stock after 2 years.	

### C Flock Growth Chart

	Years				
	I	II	III	IV	V
<b>Rams</b>					
+ Purchased	7	3	10	4	10
- Sold	0	0	7	3	10
<b>Total</b>	<b>7</b>	<b>10</b>	<b>13</b>	<b>14</b>	<b>14</b>
<b>Ewes</b>					
+ Purchased	200	0	0	0	0
- Culled	0	40	56	62	80
- Mortality	10	14	16	20	20
+ Reared	0	90	212	34	182
<b>Total</b>	<b>190</b>	<b>226</b>	<b>366</b>	<b>400</b>	<b>400</b>
<b>Ram lambs</b>					
+ Born	90	213	141	347	181
- Sold	90	86	268	166	362
<b>Total</b>	<b>0</b>	<b>127</b>	<b>0</b>	<b>181</b>	<b>0</b>
<b>Ewe lambs</b>					
+ Born	90	212	140	345	180
- Sold	0	0	106	83	160
- Retained	0	90	212	34	182
<b>Total</b>	<b>90</b>	<b>212</b>	<b>34</b>	<b>262</b>	<b>100</b>

D	Investment Cost						
		Specifications	Phy. units	Unit cost	Total		
	Cost of rams		7	4,000	28,000		
	Cost of ewes		200	4,000	800,000		
	Construction of sheep shed and storage area	sq. ft.	7360	100	736,000		
	Equipment		514	100	51,400		
	Initial fodder cultivation cost	acres	22	3,000	66,000		
	Misc. expenses		514	100	51,400		
			Total	1,732,800			
E	Cash Flow Analysis	Years					
		I	II	III	IV	V	
1	Costs						
a)	Capital cost	1,732,800					
b)	Recurring cost						
	Purchase of rams	28,000	12,000	40,000	16,000	40,000	
	Feeding of adults	196,850	236,240	378,590	413,500	413,500	
	Feeding of lambs	77,400	182,750	120,830	297,560	155,230	
	Veterinary aid	18,150	25,669	33,694	44,025	37,819	
	Cost of electricity & water	4,840	6,845	8,985	11,740	10,085	
	Insurance	31,520	37,760	60,640	66,240	66,240	
	Labour wages	360,000	450,000	720,000	720,000	720,000	
	Total	2,449,560	951,264	1,362,739	1,569,065	1,442,874	
2	Benefits						
	Sale of lambs	630,000	602,000	2,618,000	1,743,000	3,654,000	
	Sale of culled ewes	0	160,000	224,000	248,000	320,000	
	Insurance claims of ewes	40,000	56,000	64,000	80,000	80,000	
	Sale of manure	72,600	102,675	134,775	176,100	151,275	
	Sale of gunny bags	1,570	2,306	2,888	3,924	3,262	
	Depreciated value of buildings	0	0	0	0	552,000	
	Depreciated value of equipment	0	0	0	0	25,700	
	Closing stock value	0	0	0	0	2,531,000	
	Total	744,170	922,981	3,043,663	2,251,024	7,317,237	
3	DF @ 10%	0.91	0.83	0.75	0.68	0.62	
4	Discounted Costs @ 10%	2,226,873	786,168	1,023,846	1,071,693	895,911	6,004,490
5	Discounted Benefits @ 10%	676,518	762,794	2,286,749	1,537,480	4,543,428	9,806,970
6	NPW @ 10%	3,802,479					
7	BCR @ 10%	1.63					
9	Net Benefits	-1,705,390	-28,283	1,680,924	681,959	5,874,363	6,503,574
11	IRR	60%					
F	Repayment Schedule						
		Year	Income	Expenses	Gross Surplus	Equated Annual Installment	Net Surplus
		I	744,170	716,760	27,410	0	27,410
		II	922,981	951,264	-28,283	0	-28,283
		III	3,043,663	1,362,739	1,680,924	0	1,680,924
		IV	2,251,024	1,569,065	681,959	0	681,959
		V	4,208,537	1,442,874	2,765,663	0	2,765,663
		Capital Recovery Factor	0.00				
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<b>Note :</b> Data in highlighted cells are outside the parameters of this sheet. Please modify and re-enter the same in the Form.							
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