

UNIT COST OF GOATERY

(Size : 10 females + 1 male)

(Amount in Rs.)

A. CAPITAL COST

1. Cost of 10 Does	@ Rs.900.00 each	9,000.00
2. Cost of 1 Buck	@ Rs.1,300.00	1,300.00
3. Night shelter		<u>1,000.00</u>
TOTAL – ‘B’		11,300.00

B. RECURRING COST

1. Supplementary feed cost for		
a. Buck @ 200 gms. Per day for 12 weeks	17 kg.	
b. Does @ 150 gms. Per day for 22 weeks	231 kg.	
c. Kids @ 100 gms. Per kid for 15 kids for 8 months	<u>360 kg.</u>	
At Rs.8.00 per kg.	608 kg.	4,864.00
2. Medicines, insurance and misc. expenses		742.00
TOTAL – ‘B’		5,606.00

TOTAL - ‘A’ + ‘B’	16,906.00
UNIT COST	16,900.00
BANK LOAN (90%)	15,200.00

ASSUMPTIONS

I. Technical parameters :

1. Breed-Black/Brown Bengal.
2. Good quality healthy Bengal Does of 10-11 months age weighing around 10 kg. and 1 year old Buck weighing 15 kg. Are purchased.
3. They are bred in the month of purchase.
4. Supplementary feeding is done during breeding season for Bucks (200 gms. Per day), at onset of breeding, during late pregnancy and lactation for does (150 gms. per Doe) and for kids (100 gms. Per day per kid).
5. Gestation period – 150 days.
6. Kidding interval - 8 months.
7. Kidding percentage –160%.
8. Sex ratio – 1:1.
9. Mortality in adults 5% and in kids 10%.

II. Financial parameters

	1 ST	2 ND	3 RD	4 TH	5 TH
1. Conc. Feed for Does (kg.)	168	168	168	168	168
2. Conc. Feed for Buck (kg.)	17	17	17	17	17
3. Conc. Feed for kids (kg.)	270	547	547	547	547
4. Adult months	132	132	132	132	132
5. Kid months	105	180	180	180	180
6. Kids available for sale		30	31	30	31
7. Cost of conc. Feed (Rs. per kg.)	8.00				
8. Medicines and misc. expenses					
a. Rs. per adult month	3.50				
b. Rs. per kid month	1.50				
9. Sale price of kids (Rs. per kid)	750	Number	Value (Rs.)		
10. Closing stock at the end of 5 th year	Adults	11	500		
	Kids	14	400		

ECONOMICS OF GOATERY UNIT

(Amount in Rs.)

INCOME	1 st yr.	2 nd yr.	3 rd yr.	4 th yr.	5 th yr.
1. Sale of Kids	--	22500	23250	22500	23250
TOTAL	--	22500	23250	2250	23250

EXPENDITURE	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr.
1. Supplementary feeding of					
a. Does	1344	1344	1344	1344	1344
b. Buck	136	136	136	136	136
c. Kids	2160	4376	4376	4376	4376
2. Medicines, and misc. expenses					
a. Adults	462	462	462	462	462
b. Kids	368	630	630	630	630
TOTAL	4470	6948	6948	6948	6948
GROSS SURPLUS	-4470	15552	16302	15552	16302

FINANCIAL ANALYSIS

COST	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yrs.
1. Capital cost	11300	--	--	--	
2. Recurring cost	4470	6948	6948	6948	6948
TOTAL COST	15770	6948	6948	6948	6948
<i>BENEFIT</i>					
1. INCOME	--	22500	23250	22500	23250
2. Salvage value					11100
TOTAL BENEFIT	--	22500	23250	22500	34350
NET BENEFIT	-15770	15552	16302	15552	27402

NPW @ 15% D.F. ... 31281 (+)
BCR @ 15% D.F. ... 2.01 : 1.00
IRR ... >50 %

REPAYMENT PERIOD : 5 YEARS WITH ONE YEAR GRACE

(SOURCE - NABARD)