Techno economic parameters						
Type of Animal	CB Jersey Cow					
No. of Animals	20					
Cost of Animal (Rs./animal)	36000					
Transportation	2000					
Average Milk Yield (litre/day)	12					
Floor space (sqft) per adult animal	40					
Floor space (sqft) per calf	20					
Floor space (sqft) per Heifer	30					
Cost of construction per sqft (Rs.)	275					
Cost of equipment per animal (Rs.) (Bucket, can, chain & others)	1000					
Cost of fodder cultivation (Rs./acre/season)	8000					
Insurance premium (% per annum)	5%					
Veterinary aid/animal/ year (Rs.)	500					
Cost of concentrate feed (Rs./kg)	16					
Cost of dry fodder (Rs./kg)	2					
Rate of interest (%)	12.50%					
Repayment period (years)	6					
Selling price of milk/litre (Rs./kg)	25					
Sale price of gunny bags (Rs. per bag)	5					
Lactation days	300					
Dry days	65					

		Project cost and bank loan							Cost. In Rs.
1		Capital cost							
A>		Land Development & Fencing	3	Acres			5000		15,000.00
B >		Civil Construction							
	a.	Cow shed	20	nos	40	sq ft each	275	per sq ft	220,000.00
	b.	Calf pen	20	nos	20	sq ft each	275	per sq ft	110,000.00
	c.	Heifer shed	5	nos	30	sq ft each	275	per sq ft	41,250.00
	d.	Officer-cum-Store room			200	Sq. ft.	275	per sq ft	55,000.00
C>		Water Supply							
	a.	Dugwell 5 mm dia	LS						50,000.00
	b.	Pipe line and pump	LS						20,000.00
D>		Equipments							
	a.	Chaff cutter with 2 hp motor	LS						25,000.00
	b.	Bucket, can, chain & Others	20	nos			1000	per cow	20,000.00
	c.	Milking machine	1	nos			50000		50,000.00
E>		Electrification							
	a.	Electrification with five ceiling fans	LS						25,000.00
F>		Cost of Animals with transportation	20	nos			36000	per cow	760,000.00
		Total							1,391,250.00
2		Recurring cost to be capitalized							
	a.	Cost of feed for first batch of one cows for one month as per feed chart							13,500.00
	b.	Cost of insurance (@5% of animal cost)	20	nos					38,000.00
	c.	Cost of fodder cultivation	3	Acres			8000	per acre	24,000.00
	d.	Cost of medicine vaccine, electricity for the first month for first cow							2,500.00
		Total recurring expenditure							78,000.00
		TOTAL PROJECT COST							1,469,250.00
									1,469,000.00
		Margin money 20% of project cost							293,800.00
		Bank loan 80% of project cost							1,175,200.00

Sr.No	Particulars	Batch	Years						
			Ι	II	III	IV	V		
i)	Lactation Days								
a)	First batch	5	1500	1500	1500	1500	1500		
b)	Second batch	5	900	1500	1500	1500	1500		
	Total		2400	3000	3000	3000	3000		
ii)	Dry Days								
a)	First batch	5	325	325	325	325	325		
b)	Second batch	5	0	325	325	325	325		
	Total		325	650	650	650	650		

VI
1500
1500
3000
325
325
650

Item	FEEDING STUFF	COST/KG	During lacta	tion period	During di	y period
		Rs.	Quantity (kg) Cost (Rs.)		Quantity (kg)	Cost (Rs.)
i	Concentrate feed	16	5	80	2	32
ii	Green fodder	1	30	Home grown	12	Home grown
iii	Dry fodder	2	5	10	5	10
	Total			90		42

	CASH F	LOW ANA	LYSIS.						
S.N.	Particulars	Year							
	EXPENDITURE	1	2	3	4	5	6		
а	Feeding during lactation period vide yearly lactation days and feed cost as per chart	216,000	270,000	270,000	270,000	270,000	270,000		
b	Feeding during dry period vide dry days and feed cost as per feed chart enclosed	13,650	27,300	27,300	27,300	27,300	27,300		
с	Medicine vaccine veterinary aid	10,000	10,000	10,000	10,000	10,000	10,000		
d	Insurance @5% of animal cost /year	38,000	38,000	38,000	38,000	38,000	38,000		
e	Cost of fodder cultivation	24,000	24,000	24,000	24,000	24,000	24,000		
f	Cost of labour	-	-	-	-	-	-		
g	Other miscellaneous expenditure	5,000	5,000	5,000	5,000	5,000	5,000		
	Total Expenditure	306,650	374,300	374,300	374,300	374,300	374,300		
	INCOME								
а	Sale of milk during lactation days with average milk vield /cow liter/day	720,000	900,000	900,000	900,000	900,000	900,000		
b	Sale of gunny bags	1,600	1,950	1,850	1,750	1,750	1,600		
с	Manure will be utilized in own farm								
d	Value of closing stock of 10 cows						304,000		
	(Depreciation on animal cost @10%/year)								
e.	Value of building						170,500		
	(Depreciation on building@10%/year)								
f.	Value of equipments						28,500		
	(Depreciation on equipments @15%/year)								
	Total income	721,600	901,950	901,850	901,750	901,750	1,404,600		
	Gross profit	414,950	527,650	527,550	527,450	527,450	1,030,300		

Repayment Schedule										
Item I II III IV V VI										
Loan	1,175,200									
Loan Outstanding	1,175,200	979,333	783,467	587,600	391,733	195,867				
Interest	146,900	122,417	97,933	73,450	48,967	24,483				
Repayment Principal	195,867	195,867	195,867	195,867	195,867	195,867				
Repayment Interest	146,900	122,417	97,933	73,450	48,967	24,483				
Repayment Total	342,767	318,283	293,800	269,317	244,833	220,350				
Gross Surplus	492,950	527,650	527,550	527,450	527,450	1,030,300				
Net surplus	150,183	209,367	233,750	258,133	282,617	809,950				

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Year	1	2	3	4	5	6
Capital Costs	1,391,250					
Recurring Cost	306,650	374,300	374,300	374,300	374,300	374,300
Total Costs	1,697,900	374,300	374,300	374,300	374,300	374,300
Benefit	721,600	901,950	901,850	901,750	901,750	1,404,600
Net Benefit	(976,300)	527,650	527,550	527,450	527,450	1,030,300
Gross Benefit	492,950	527,650	527,550	527,450	527,450	1,030,300

Statement of Profitability