

DAIRY FARM WITH FIFTY MURRAH BUFFALOES

Buffalo farming is a profitable business & has good potential for employment generation . India has 57% of world buffalo population. Buffalo milk contributes 57% of total milk production. Buffaloes have several advantages over crossbred cows as farm animal.

1-They are well adapted to agro-climatic condition of our country

2-They are more disease resistant in comparison to crossbred cows. (less incidence of milk fever & mastitis in buffaloes)

3-They can thrive well on crop residue

5-Buffalo milk contains more butter fat for which the price of buffalo milk is more.

This project report is based on following assumptions:-

- Freshly calved murrah female buffaloes in 1st or 2nd lactation will be purchased in two batches of twenty-five animals each/batch at an interval of 5 to 6 months.
- Availability of 10 acres of land for fodder cultivation is prerequisite for the project,
- Dung produced will be utilized as Manure for fodder cultivation.
- Cost of rearing calves not considered as it will be repealed by their sale
- In case of death of adult animal new buffalo will be purchased from insurance claim money.
- Heifers will be used as replacement stocks
- The scheme will be successful on the above guidelines if run by the dairy farmer on scientific lines.

Bred of buffalo	Murrah	
No. of Animals	50	
Cost of Animal (Rs./animal) including transportation	55000	
Average Milk Yield (litre/day)	15 liter	
Covered Floor space per adult animal(sq.ft)	30	
Open space per adult animal(sq.ft)	100	
Menger length/animal in inches	25	
Covered Floor space per young stock (sq.ft)	15	
Open space per young stock (sq.ft)	50	

Menger per young stock in inches	15	
Construction cost of office & floor in sq.ft	250	
Cost of construction per sqft (Rs)	200	
Cost of milking machine with accessories	430000	
Cost of other equipment per animal (Rs.)	1000	
Cost of fodder cultivation (Rs./acre/season)	5000	
Insurance premium (% per annum)	5	
Veterinary aid/animal/ year (Rs.)	1000	
Cost of concentrate feed (Rs./kg)	12	
Cost of dry fodder (Rs./kg)	1	
Rate of interest (%)	12	
Repayment period (years)	6	
Selling price of milk/litre (Rs./kg)	24	
Sale price of gunny bags (Rs. per bag)	10	
Lactation days	270	
Dry days	150	

DAILY FEEDING AND COST CHART FOR DAIRY BUFFALOES

Item	FEEDING STUFF	COST/KG Rs.	During lactation period		During dry period	
			Quantity (kg)	Cost (Rs.)	Quantity (kg)	Cost (Rs.)
i	Concentrate feed	12	6.5	78	1	12
ii	Green fodder	1	25	Home grown	20	Home grown
iii	Dry fodder	2	6	12	5	10
	Total			90		22

feeding chart

	Project cost and bank loan	Cost. In Rs.
1.	Capital cost	
2.	Covered area for 50 Buffaloes @ 30sq.ft/bufalo@200/sqft	300000
3.	Covered area 50calves 15 sq.ft./calf @200/sq.ft.	150000
4.	Cost of construction of boundary & manger for open space	250000
5.	Cost of construction store room 200 sq.ft @250 per sq.ft	50000
6.	Cost of construction of office cum marketing room 250 sq ft @250 per sq.ft	62500
7.	Cost of 50 Murrah Buffaloes with minimum average 15 liter milk yield /day @55000/buffaloes including transportation	2750000
8.	Cost of generator set	80000
9.	Cost of milking machine with accessories & installation charge	430000
10.	Cost of dairy appliance @Rs.1000/Buffalo	50000
11.	Cost of bulk cooler of 500 liter capacity	270000
12.	Cost of bore well with pump set	70000
13.	Electrification	30000
14.	Cost of over head tank & pipe line	70000
15.	Cost of chaff cutter	90000
	Total	4652500

Recurring cost to be capitalized

1.	Cost of feed for first batch of 25 buffaloes for one month as per feed chart	67500
2.	Cost of insurance 25 animals @5% of animal cost	68750
3.	Cost of fodder cultivation in 10 acres of land for one session	50000
4.	Cost of medicine vaccine, electricity for the first month for first month	10000
5.	Contingency	11250
6.	Total recurring expenditure	207500
7.	TOTAL PROJECT COST	4860000
8.	Margin money (no margin money up to one lakh finance as per RBI guideline)	1215000
9.	Bank loan 100% of project cost	3645000