



Dairy Farming to Produce Milk and Cattle Breeding

**Detailed Project Report, Profile, Business Plan,
Industry Trends, Market Research, Survey,
Feasibility Study, Investment Opportunities,
Cost and Revenue, Plant Economics, Working
Capital Requirement, Plant Layout, Cost of
Project, Projected Balance Sheets, Profitability
Ratios, Break Even Analysis**



Introduction

India has the largest Cattle and Buffalo population in the world. Considerable importance was given to the Livestock Development Programme for increasing the production of major products such as milk, meat, wool & eggs etc. to increase the income of the economically weaker sections of the community i.e. small farmers, marginal farmers and Agricultural Labourers. One of them in the field of Animal Husbandry is Cattle Breeding. Cattle are normally bred during the summer so that calving may occur the following spring. However, cattle breeding can occur at other times of year, such as late summer to early fall.

Owners can select the breeding time based on a number of factors, including reproductive performance and seasonal cattle pricing.

Breeding to meet the demand for beef production, owners also use selective breeding to attain specific traits in their beef cattle. An example of a desired trait could be leaner meat or resistance to illness. Breeds known as dual-purpose breeds are also used for beef production. These breeds have been selected for two purposes at once, such as for both beef and dairy production.

India possesses 27 acknowledged indigenous breeds of cattle and seven breeds of buffaloes.

These well-defined breeds are found in the dry parts of the country. Good breeds of cattle are mostly confined to comparatively dry areas such as Haryana, Punjab, Rajasthan, Gujarat and Madhya Pradesh. Pastures in these areas may qualitatively be enough, but they are often scarce.

If you are looking towards leveraging on the agriculture industry to generate huge income, then one of your best bet is to start cattle rearing business. Cattle rearing business is all about mass - breeding of cattle (cows, oxen, bulls, bullocks, steers, heifers and calf et al) for the sole aim of making profits. In most cases it is referred to as livestock farming business.





Dairy farming is a large unorganized sector in India and a major source for livelihood in rural areas. Dairy farming is a class of agriculture for long-term production of milk, which is processed (either on the farm or at a dairy plant, either of which may be called a dairy) for eventual sale of a dairy product. Commercial and small scale dairy farming in India is no doubt playing an important role in the total milk production and economy of our country. And almost all regions of India are suitable for setting up dairy farming business. Dairy cow farming means 'raising highly milk productive cows commercially for milk production purpose'.

It's absolutely a part of agriculture or animal husbandry, enterprise for long term milk production from cows. Commercial dairy cow farming business is not a new idea. People are raising dairy cows for milk production from the ancient time. Dairy cow farming business is still a profitable business venture throughout the world. There are numerous new and established dairy cow farms available around the world.

Milk Production and per capita availability of Milk in India

Year	Production (Million tonnes)	Per Capita Availability (gms/day)
1991-92	55.6	178
1992-93	58.0	182
1993-94	60.6	186
1994-95	63.8	192
1995-96	66.2	195
1996-97	69.1	200
1997-98	72.1	205
1998-99	75.4	210
1999-2K	78.3	214
2000-01	80.6	217
2001-02	84.4	222
2002-03	86.2	224
2003-04	88.1	225
2004-05	92.5	233
2005-06	97.1	241
2006-07	102.6	251
2007-08	107.9	260
2008-09	112.2	266
2009-10	116.4	273
2010-11	121.8	281
2011-12	127.9	290
2012-13	132.4	299
2013-14	137.7	307
2014-15	146.3	322

Source: Basic Animal Husbandry Statistics, DAHD&F, GoI

State-wise estimates of Milk Production ('000 tonnes)

State	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Tamil Nadu	4,988	4,622	4,752	4,784	5,474	6,277	6,540	6,651	6,787	6,831	6,968	7,005	7,049	7,132
Tripura	90	79	84	86	87	89	91	96	100	104	111	118	130	141
Uttar Pradesh	14,648	15,288	15,943	16,512	17,356	18,094	18,861	19,537	20,203	21,031	22,556	23,330	24,194	25,198
West Bengal	3,515	3,600	3,686	3,790	3,891	3,983	4,087	4,176	4,300	4,471	4,672	4,859	4,906	4,961
A&N Islands	23	26	25	24	20	23	24	26	24	25	26	21	14	16
Chandigarh	43	43	44	43	46	46	47	47	46	45	45	44	44	44
D&N Haveli	8	8	8	4	5	5	10	10	10	11	11	11	11	9
Daman & Diu	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Delhi	294	296	299	303	310	288	445	450	466	480	502	287	284	280
Lakshadweep	2	2	1	1	2	2	2	2	2	2	2	2	6	4
Puducherry	37	37	40	41	43	45	46	46	46	47	45	47	47	48
Chhattisgarh	795	804	812	831	839	849	866	908	956	1,029	1,119	1,164	1,209	1,232
Uttarakhand	1,066	1,079	1,188	1,195	1,206	1,213	1,221	1,230	1,377	1,383	1,417	1,478	1,550	1,565
Jharkhand	940	952	954	1,330	1,335	1,401	1,442	1,466	1,463	1,555	1,745	1,679	1,700	1,734
Telangana														4,207
All India	84,406	86,159	88,082	92,484	97,066	1,02,580	1,07,934	1,12,183	1,16,425	1,21,848	1,27,904	1,32,431	1,37,685	1,46,314

Source: Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture, GoI

Per capita availability of Milk by States (gms/day)

State	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12	12-13	13-14
Andhra Pradesh	209	231	238	250	260	268	298	316	342	364	391	409	413
Arunachal Pradesh	105	112	109	114	113	114	73	55	59	63	44	49	93
Assam	70	71	71	72	72	71	70	70	69	71	70	69	69
Bihar	88	92	100	147	154	163	170	172	175	184	175	188	195
Goa	91	91	93	110	105	104	102	99	96	93	113	92	98
Gujarat	317	321	330	344	349	372	385	402	418	435	445	476	506
Haryana	645	647	643	631	628	624	621	644	662	679	720	767	800
Himachal Pradesh	341	339	337	378	373	393	420	424	397	446	447	460	461
Jammu & Kashmir	367	365	363	364	353	348	372	378	379	378	352	316	302
Karnataka	249	229	190	194	197	199	203	215	226	237	244	262	272
Kerala	234	203	173	169	171	174	183	197	201	210	223	216	203
Madhya Pradesh	240	236	233	233	262	260	264	271	278	287	308	327	349
Maharashtra	172	172	172	176	178	181	184	188	190	197	206	213	219
Manipur	86	85	85	90	92	91	91	90	88	88	80	80	80
Meghalaya	78	78	78	81	82	81	83	83	83	74	83	83	84
Mizoram	43	45	44	46	43	46	47	47	29	31	35	36	40
Nagaland	78	78	83	90	96	86	58	67	96	93	108	94	95
Orissa	69	68	71	92	95	100	113	110	112	113	112	114	122
Punjab	892	895	898	917	943	957	956	955	944	937	945	961	980
Rajasthan	376	368	371	376	387	449	486	501	509	538	539	555	572
Sikkim	187	222	231	221	232	231	195	194	200	194	202	186	200
Tamilnadu	219	198	198	204	231	263	272	274	278	278	265	541	280

Value of Output from Livestock sector (in Rs. Crore)

At Current Prices			
Item	2011-12	2012-13	2013-14
1 Milk Group	3,24,895	3,68,997	4,07,396
2 Meat Group	96,287	1,14,402	1,32,360
2.1 Meat	88,429	1,05,072	1,22,147
2.1.1 Beef	11,715	14,252	15,053
2.1.2 Mutton	32,695	38,651	43,232
2.1.3 Pork	4,485	4,771	5,596
2.1.4 Poultry Meat	39,535	47,398	58,266
2.2 Meat Products	3,345	3,948	4,385
2.3 By-Products	4,512	5,383	5,828
2.3.1 Hides	2,087	2,519	2,639
2.3.2 Skins	1,097	1,291	1,447
2.3.3 Other By Products	1,328	1,573	1,741
3 Eggs	16,470	19,352	22,423
4 Wool & hair	512	581	569
5 Dung	32,754	36,936	41,443
6 Silk Worm Cocoons and Honey	4,331	5,227	6,707
7 Increment in Stock	9,854	11,609	12,964
Value of Output from Livestock Sector	4,85,103	5,57,103	6,23,861

Source : National Accounts Statistics-2015, Central Statistical Organisation, GoI

Livestock Population in India by Species (Million numbers)

Species	1951	1956	1961	1966	1972	1977	1982	1987	1992	1997	2003	2007	2012
Cattle	155.3	158.7	175.6	176.2	178.3	180.0	192.5	199.7	204.6	198.9	185.2	199.1	190.9
Adult Female Cattle	54.4	47.3	51.0	51.8	53.4	54.6	59.2	62.1	64.4	64.4	64.5	73.0	76.7
Buffalo	43.4	44.9	51.2	53.0	57.4	62.0	69.8	76.0	84.2	89.9	97.9	105.3	108.7
Adult Female Buffalo	21.0	21.7	24.3	25.4	28.6	31.3	32.5	39.1	43.8	46.8	51.0	54.5	56.6
Total Bovines	198.7	203.6	226.8	229.2	235.7	242.0	262.2	275.7	288.8	288.8	283.1	304.4	299.6
Sheep	39.1	39.3	40.2	42.4	40.0	41.0	48.8	45.7	50.8	57.5	61.5	71.6	65.1
Goat	47.2	55.4	60.9	64.6	67.5	75.6	95.3	110.2	115.3	122.7	124.4	140.5	135.2
Horses and Ponies	1.5	1.5	1.3	1.1	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.6	0.6
Camels	0.6	0.8	0.9	1.0	1.1	1.1	1.1	1.0	1.0	0.9	0.6	0.5	0.4
Pigs	4.4	4.9	5.2	5.0	6.9	7.6	10.1	10.6	12.8	13.3	13.5	11.1	10.3
Mules	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2
Donkeys	1.3	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.4	0.3
Yak	NC	NC	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Mithun	NA	0.2	0.2	0.3	0.3	0.3							
Total Livestock	292.9	306.6	336.5	344.5	353.2	369.4	419.6	445.2	470.9	485.4	485.0	529.7	512.1
Poultry	73.5	94.8	114.2	115.4	138.5	159.2	207.7	275.3	307.1	347.6	489.0	648.8	729.2

Source : Livestock Census, DAHD&F, GoI

Milk production in India during the period 1950-51 to 2014-15, has increased from 17 million tonnes to 146.3 million tonnes as compared to 137.7 million tonnes during 2013-14 recording a growth of 6.26 % FAO reported 3.1% increase in world milk Production from 765 million tonnes in 2013 to 789 million tonnes in 2014.The per capita availability of milk in the country which was 130 gram per day during 1950-51 has increased to 322 gram per day in 2014-15 as against the world average of 293.7 grams per day during 2013. This represents sustained growth in the availability of milk and milk products for our growing population.

In order to meet the growing demand for milk with a focus to improve milch animal productivity and increase milk production, the Government has approved National Dairy Plan Phase-I (NDP-I) in February, 2012 with a total investment of about Rs.2242 crore to be implemented from 2011-12 to 2016-17. NDP-I will help to meet the projected national demand of 150 million tonnes of milk by 2016-17 from domestic production through productivity enhancement, strengthening and expanding village level infrastructure for milk procurement and provide producers with greater access to markets.

-----*According to Department of
Animal Husbandry, Dairying & Fisheries*

Project at a Glance

PROJECT AT A GLANCE				(₹ in lacs)			
COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development				Capital	0.00	70.38	70.38
Exp.	0.00	50.00	50.00	Share Premium	0.00	0.00	0.00
Buildings	0.00	73.50	73.50	Other Type Share Capital	0.00	0.00	0.00
Plant & Machineries	0.00	46.20	46.20	Reserves & Surplus	0.00	0.00	0.00
Motor Vehicles	0.00	4.00	4.00	Cash Subsidy	0.00	0.00	0.00
Office Automation				Internal Cash Accruals	0.00	0.00	0.00
Equipments	0.00	81.00	81.00	Long/Medium Term Borrowings	0.00	211.15	211.15
Technical Knowhow Fees & Exp.	0.00	10.00	10.00	Debentures / Bonds	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Preliminary& Pre-operative Exp	0.00	1.50	1.50				
Provision for Contingencies	0.00	4.00	4.00				
Margin Money - Working Capital	0.00	11.34	11.34				
TOTAL	0.00	281.54	281.54	TOTAL	0.00	281.54	281.54



Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value				
	EPS	CEPS				Per Share									
	`	`				`	`								
1-2	4.40	7.88	14.40	24.00	0.00	100.00	4.40	0.00	4.40	1.00	0.00				
2-3	6.17	9.26	20.57	18.00	0.00	100.00	6.17	0.00	6.17	1.00	0.00				
3-4	7.86	10.61	28.43	12.00	0.00	100.00	7.86	0.00	7.86	1.00	0.00				
4-5	7.08	9.53	35.51	6.00	0.00	100.00	7.08	0.00	7.08	1.00	0.00				
5-6	6.20	8.38	41.72	0.00	0.00	100.00	6.20	0.00	6.20	1.00	0.00				



Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)	(Number of times)	%	%	%	%	%	%	%	%	%	%	%	%
Initial				3.00	3.00									
1-2	1.22	1.22		1.67	1.67	1.93		28.92%	15.99%	10.77%	221.91	77.12%	1.00	0.75
2-3	1.40	1.31		0.88	0.88	1.09		31.50%	20.65%	13.41%	242.77	74.99%	1.10	1.07
3-4	1.61	1.40	1.42	0.42	0.42	0.59		33.25%	24.05%	15.38%	269.64	74.97%	1.16	1.50
4-5	1.51	1.43		0.17	0.17	0.31		30.44%	21.81%	13.86%	268.78	74.73%	1.12	1.81
5-6	1.37	1.42		0.00	0.00	0.12		27.30%	19.19%	12.14%	268.78	74.73%	1.11	4.32

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
--------------------------------	---

Cash BEP (% of Installed Capacity)	68.62%
------------------------------------	--------

Total BEP (% of Installed Capacity)	74.33%
-------------------------------------	--------

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	11.54%
--	--------

Payback Period of the Project is (In Years)	3 Years 2 Months
---	------------------

Fixed Assets Coverage Ratio (No. of times)	2.064
--	-------



Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
*Cattle Breeding and Dairy Farm
to Produce Milk*

See more

<https://goo.gl/kJJvzf>

<https://goo.gl/UzIa18>

<https://goo.gl/yVOgF0>

<https://goo.gl/dcx0IR>

Major Queries/Questions Answered in the Report?

- 1. What is Cattle Breeding and Dairy Farm industry ?**
- 2. How has the Cattle Breeding and Dairy Farm industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of a Cattle Breeding and Dairy Farming Plant ?**
- 4. What are the requirements of Working Capital for setting up a Cattle Breeding and Dairy Farm plant ?**
- 5. What is the structure of the Cattle Breeding and Dairy Farming Business and who are the key/major players ?**

- 6. What is the total project cost for setting up Cattle Breeding and Dairy Farm plant ?**
- 7. What are the operating costs for setting up a Cattle Breeding and Dairy Farm plant ?**
- 8. What are the machinery and equipment requirements for setting up a Cattle Breeding and Dairy Farming plant ?**
- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up a Cattle Breeding and Dairy Farm plant ?**

- 
- 10. What are the requirements of raw material for setting up a Cattle Breeding and Dairy Farm plant ?**
 - 11. Who are the Suppliers and Manufacturers of Raw materials for setting up a Cattle Breeding and Dairy Farm plant ?**
 - 12. What is the Manufacturing Process and Formulations of a Cattle Breeding and Dairy Farm plant ?**
 - 13. What is the total size of land required for setting up a Cattle Breeding and Dairy Farm plant ?**
 - 14. What will be the income and expenditures for a Cattle Breeding and Dairy Farm plant ?**

- 15. What are the Projected Balance Sheets of a Cattle Breeding and Dairy Farm plant ?**
- 16. What are the requirement of utilities and overheads for setting up a Cattle Breeding and Dairy Farm plant?**
- 17. What is the Built up Area Requirement and cost for setting up a Cattle Breeding and Dairy Farm Business?**
- 18. What are the Personnel (Manpower) Requirements for setting up a Cattle Breeding and Dairy Farm Business?**
- 19. What are Statistics of Import & Export for Cattle Breeding and Dairy Farm ?**

- 20. What is the time required to break-even?**
- 21. What is the Break-Even Analysis of a Cattle Breeding and Dairy Farm plant?**
- 22. What are the Project financials of a Cattle Breeding and Dairy Farm plant?**
- 23. What are the Profitability Ratios of a Cattle Breeding and Dairy Farm plant?**
- 24. What is the Sensitivity Analysis-Price/Volume of a Cattle Breeding and Dairy Farm plant?**

- 25. What are the Projected Pay-Back Period and IRR of a Cattle Breeding and Dairy Farm plant?**
- 26. What is the Process Flow Sheet Diagram of a Cattle Breeding and Dairy Farm project?**
- 27. What are the Market Opportunities for setting up a Cattle Breeding and Dairy Farm plant?**
- 28. What is the Market Study and Assessment for setting up a Cattle Breeding and Dairy Farm plant?**
- 29. What is the Plant Layout for setting up a Cattle Breeding and Dairy Farm Business?**

Table of Contents of the Project Report

1. PROJECT LOCATION

1.1. District Profile & Geotechnical Site Characterization

- 1.1.1. General**
- 1.1.2. Location & Geographical Area**
- 1.1.3. Topography**
- 1.1.4. History**
- 1.1.5. Demographics**
- 1.1.6. Transport**
- 1.1.7. Administrative Setup**
- 1.1.8. Map**
- 1.1.9. Industrial at a Glance**

2. INTRODUCTION

3. USE OF MILK

4. PROPERTIES OF MILK

- 5. B.I.S. SPECIFICATION**
- 5.1. Is: 1479 (Part 1): 1960 Methods of Test For Dairy Industry Part I Rapid Examination of Milk (Reaffirmed 2003)
 - 5.2. Is: 1479 (Part 2): 1961 Methods of Test for Dairy Industry Part II Chemical Analysts of Milk
 - 5.3. Is: 1627: 1970 Recommendations for Farm Cattle Housing for Large Dairy Farm
 - 5.4. Is: 7005: 1973 – Code for Hygienic Conditions for Production, Processing, Transportation and Distribution of Milk
 - 5.5. Is: 10083: 1982 – Method Of Test for Determination of Snf (Solids-not-fat) In Milk By The Use of The Lactometer

- 6. MARKET SURVEY**
- 6.1. Dairy Industry In India

- 7. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES**
- 7.1. About Financial Statements of CMIE Database**
 - 7.2. Profits & Appropriations**
 - 7.3. Total Liabilities**
 - 7.4. Total Assets**
 - 7.5. Net Cash Flow From Operating Activities**
 - 7.6. Section –I**
 - 7.6.1. Name of Company with Contact Details**
 - 7.6.2. Name of Director(S)**
 - 7.6.3. Plant Capacity**
 - 7.6.4. Location of Plant**
 - 7.6.5. Name of Raw Material(S) Consumed With Quantity &Cost**
 - 7.7. Section-II**
 - 7.7.1. Assets**
 - 7.7.2. Cash Flow**

- 7.7.3. Cost as % Ge of Sales
- 7.7.4. Growth in Assets & Liabilities
- 7.7.5. Growth in Income & Expenditure
- 7.7.6. Income & Expenditure
- 7.7.7. Liabilities
- 7.7.8. Liquidity Ratios
- 7.7.9. Profitability Ratio
- 7.7.10. Profits
- 7.7.11. Return Ratios
- 7.7.12. Structure of Assets & Liabilities(%)
- 7.7.13. Working Capital & Turnover Ratios

8. PRESENT DAIRY & DAIRY PRODUCT INDUSTRIES

9. AIMS & OBJECTIVES OF THE BREEDING SCHEME

- 9.1. Cattle Breeding
- 9.2. Breeding Phenomena
- 9.3. Fertilization
- 9.4. Normal Breeding Habits of Cows

- 10. BUFFALO BREEDING**
- 11. REPRODUCTION MANAGEMENT IN BUFFALO**
- 11.1. Normal Breeding Habits Of Cows**
 - 11.2. Puberty**
 - 11.3. Seasonality**
 - 11.4. Oestrus Cycle**
 - 11.5. Pregnancy And Post Partum Period**
- 12. OBJECTIVE OF ANIMAL BREEDING**
- 13. CLASSIFICATION OF BREEDING**
- 14. BREEDING METHOD**
- 15. BREEDING EFFICIENCY**
- 15.1. Factors Affecting Breeding Efficiency**
- 16. MANAGEMENT PRACTICES TO IMPROVE BREEDING EFFICIENCY**

- 
- 17. SELECTION AND CULLING**
 - 17.1. Performance Testing
 - 17.2. Pedegree Selection
 - 17.3. Progeny Testing
 - 17.4. Show Ring Selection
 - 18. IMPORTANT REPRODUCTIVE DETAILS/BREEDING GUIDELINES**
 - 18.1. Estrus Period
 - 18.2. Package of Practice To Improve Reproductive Efficiency
 - 18.3. Management of Bulls
 - 19. PROCESS FLOW DIAGRAM OF ANIMAL BREEDING**
 - 20. BREEDS OF CATTLE**
 - 20.1. Breeds of Indian Dairy Cattle
 - 20.2. Indigenous Draught Breeds of Cattle

- 
- 20.3. Indigenous Dual Purpose Breeds Of Cattle
 - 20.4. Indigenous Buffalo Breeds
- 21. FEEDING PRACTICES OF DAIRY CATTLE**
- 21.1. Feeding Concentrates
- 22. CLASSIFICATION OF FEED STUFFS**
- 23. FEEDING DAIRY CATTLE AND BUFFALO**
- 23.1. Forages
 - 23.2. Concentrates
 - 23.3. Vitamins And Minerals
 - 23.4. Water
 - 23.5. Feeding Systems
- 24. MANUFACTURING PROCESS OF CATTLE FEED**
- 24.1. Quality Control Standards

25. PROCESS FLOW DIAGRAM OF CATTLE FEED

26. CALVES REARING

26.1. Housing of Calves

27. CATTLE DISEASE AND TREATMENT

28. VACCINATION SCHEDULE FOR DAIRY ANIMALS

29. STARTING A DAIRY FARM

29.1. Training

29.2. Vocational

29.3. On Farm

29.4. Choosing The Project

29.5. Business Judgement

29.6. Commencing With Small Project

29.7. Wages Agreement

29.8. Types of Labour

29.9. Kinds of Labour Needed

30. MILK

30.1. Milk As a Raw Material And Food

31. COMPOSITION OF MILK

32. MILKING OPERATION

32.1. Hand Milk Process

32.2. Modern Milking Parlour Operation

33. MILKING PROCESS

33.1. Initial Cleaning

33.2. Stripping Technique

33.3. Full-hand Technique

33.4. Which Side of The Animal

33.5. Raw Milk Clarification

34. PROCESS FLOW DIAGRAM OF MILK

35. HYGIENE PRACTICES TO BE USED FOR DAIRY FARMING

- 35.1. Key Sources of Contamination**
- 35.2. To Reduce The Risk of Contamination**

36. EFFLUENT TREATMENT PLANT

- 36.1. Waste Management**
- 36.2. Selection of Waste Treatment Technology**
- 36.3. Waste Water Treatment Methods**

37. CATTLE HOUSING

- 37.1. Advantages of Adequate Housing**
- 37.2. Layout of Dairy Farm**
- 37.3. Factors of Economic Importance in Planning a Good Layout of Dairy Farm**
- 37.4. Factors Affecting Cost of Livestock Housing Complex**

38. LAYOUT OF DAIRY FARM

39. BUYER'S LIST

- 39.1. Contact Details of Buyer's**
- 39.2. Name of Director(s)**
- 39.3. Plant Capacity**
- 39.4. Location of Plant**
- 39.5. Company Wise Consumption Detail of The Raw Materials**

40. SUPPLIERS OF RAW MATERIALS

41. SUPPLIERS OF PLANT & MACHINERY



42. EQUIPMENTS, PRODUCT & RAW MATERIAL PHOTOGRAPHS

- 42.1. Equipments Photographs**
- 42.2. Raw Material Photographs**
- 42.3. Product Photographs**

Project Financials

• Project at a Glance	Annexure
• Assumptions for Profitability workings	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	



- **Plant & Machinery.....5**
 - Indigenous Machineries**
 - Other Machineries (Miscellaneous, Laboratory etc.)**
- **Other Fixed Assets.....6**
 - Furniture & Fixtures**
 - Pre-operative and Preliminary Expenses**
 - Technical Knowhow**
 - Provision of Contingencies**
- **Working Capital Requirement Per Month.....7**
 - Raw Material**
 - Packing Material**
 - Lab & ETP Chemical Cost**
 - Consumable Store**

• Overheads Required Per Month and Per Annum.....	8
Utilities & Overheads (Power, Water and Fuel Expenses etc.)	
Royalty and Other Charges	
Selling and Distribution Expenses	
• Salary and Wages	9
• Turnover Per Annum	10
• Share Capital.....	11
Equity Capital	
Preference Share Capital	



- Annexure 1 :: Cost of Project and Means of Finance
- Annexure 2 :: Profitability and Net Cash Accruals
 - Revenue/Income/Realisation
 - Expenses/Cost of Products/Services/Items
 - Gross Profit
 - Financial Charges
 - Total Cost of Sales
 - Net Profit After Taxes
 - Net Cash Accruals



- Annexure 3 :: Assessment of Working Capital requirements
 - Current Assets
 - Gross Working Capital
 - Current Liabilities
 - Net Working Capital
 - Working Note for Calculation of Work-in-process
- Annexure 4 :: Sources and Disposition of Funds

• Annexure 5 :: Projected Balance Sheets

- ROI (Average of Fixed Assets)
- RONW (Average of Share Capital)
- ROI (Average of Total Assets)

• Annexure 6 :: Profitability Ratios

- D.S.C.R
- Earnings Per Share (EPS)
- Debt Equity Ratio

• Annexure 7 :: Break-Even Analysis

- Variable Cost & Expenses
- Semi-Variable/Semi-Fixed Expenses
- Profit Volume Ratio (PVR)
- Fixed Expenses / Cost
- B.E.P

- Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume
 - Resultant N.P.B.T
 - Resultant D.S.C.R
 - Resultant PV Ratio
 - Resultant DER
 - Resultant ROI
 - Resultant BEP

- Annexure 12 :: Shareholding Pattern and Stake Status
 - Equity Capital
 - Preference Share Capital
- Annexure 13 :: Quantitative Details-
Output/Sales/Stocks
 - Determined Capacity P.A of Products/Services
 - Achievable Efficiency/Yield % of
Products/Services/Items
 - Net Usable Load/Capacity of
Products/Services/Items
 - Expected Sales/ Revenue/ Income of Products/
Services/ Items



- **Annexure 14** :: **Product wise Domestic Sales Realisation**
- **Annexure 15** :: **Total Raw Material Cost**
- **Annexure 16** :: **Raw Material Cost per unit**
- **Annexure 17** :: **Total Lab & ETP Chemical Cost**
- **Annexure 18** :: **Consumables, Store etc.**
- **Annexure 19** :: **Packing Material Cost**
- **Annexure 20** :: **Packing Material Cost Per Unit**

- **Annexure 21** :: **Employees Expenses**
- **Annexure 22** :: **Fuel Expenses**
- **Annexure 23** :: **Power/Electricity Expenses**
- **Annexure 24** :: **Royalty & Other Charges**
- **Annexure 25** :: **Repairs & Maintenance Expenses**
- **Annexure 26** :: **Other Manufacturing Expenses**
- **Annexure 27** :: **Administration Expenses**
- **Annexure 28** :: **Selling Expenses**



- Annexure 29 :: Depreciation Charges – as per Books (Total)
- Annexure 30 :: Depreciation Charges – as per Books (P & M)
- Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)
- Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)
- Annexure 33 :: Interest and Repayment - Term Loans
- Annexure 34 :: Tax on Profits
- Annexure 35 :: Projected Pay-Back Period and IRR

Reasons for buying our report:

- This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- This report provides vital information on the product like it's characteristics and segmentation**
- This report helps you market and place the product correctly by identifying the target customer group of the product**

- This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials
- The report provides a glimpse of government regulations applicable on the industry
- The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions

Our Approach:

- Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.
- The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players
- We use reliable sources of information and databases. And information from such sources is processed by us and included in the report

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Cattle Breeding and Dairy Farm to Produce Milk” provides an insight into the Cattle Breeding and Dairy Farm market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Cattle Breeding and Dairy Farm to Produce Milk project. The report assesses the market sizing and growth of the Indian Cattle Breeding and Dairy Farm Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- Good Present/Future Demand
- Export-Import Market Potential
- Raw Material & Manpower Availability
- Project Costs and Payback Period

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Cattle Breeding and Dairy Farm sector in India along with its business prospects. Through this report we have identified Cattle Breeding and Dairy Farm to Produce Milk project as a lucrative investment avenue.

Tags

Are you ready for Dairy Farming Business?, Become a Cattle Farmer: Step-by-Step Career Guide, Uses of Milk, best small and cottage scale industries, Buffalo breeds in India, Bulls, Cows and How to Breed Cattle, Business consultancy, Business consultant, Cattle Breeding - Download Project Report, Cattle Breeding and Dairy Farm to Produce Milk, cost of setting up a dairy farm in India, cost to start a dairy farm, Dairy Business, Profitable Small Scale Manufacturing, dairy farm management, Dairy farm project report, milk dairy project, Dairy Farming - Download Project Report, Dairy Farming a lucrative business in India, dairy farming business plan, dairy farming business plan pdf, Dairy Farming in India, Dairy Farming project report for cows, dairy farming project report pdf, Dairy Husbandry Practices, Dairy Industry, Dairy Equipment, Milk Processing, Dairy Production, Dairy production and products: Milk composition, Detailed Project Report on Cattle Breeding, Detailed Project Report on Dairy Farming, Do you think Dairy Farming Profitable?, Download free project profiles on Cattle Breeding and Dairy Farming, farming, nurturing, breeding of cows,

Feasibility report on Dairy Farming and Cattle Breeding, Free Project Profiles on Cattle Breeding and Dairy Farm, fully automated international standards dairy plant, fully automatic milking machines, Fully-Automated Dairy Farm in India, Get started in small-scale food manufacturing, Getting Started in Small-Scale Dairy Farming, Green milk, Hand milking process, how to start a cattle breeding business?, How to Start a Cattle Farming Business?, How to start a successful Dairy business, how to start breeding cattle, How to Start Dairy Cow Farming Business?, How to Start Dairy Farm in India?, how to start dairy farming business, India Dairy Farming, India dairy milk market forecast & opportunities, India Dairy Products Industry Outlook, Indian cattle breeds, Indian cow breeds pdf, Indian dairy industry profile, Indian dairy industry statistics, Indian dairy market, Industrial Project Report, Is the dairy business (cow milk farm) profitable?, market size of dairy industry in India, medium-scale dairy farms, milk dairy farm business plan,

Milk Dairy Farm Project Report, Milking Procedures, modern dairy farm, modern small and cottage scale industries, no-human-contact milk plant, Pre-Investment Feasibility Study on Cattle Breeding and Dairy Farm, premium milk dairy farm, Profitability and Efficiency of Dairy Farm, profitable small and cottage scale industries, Project consultancy, Project identification and selection, Project profiles on Cattle Breeding and Dairy Farming, project report of a small-scale crossbred cow dairy farm, Project Report on Cattle Breeding and Dairy Farm, Project report on Cattle Breeding and Dairy Farm to Produce Milk, Rotary Parlors milking, Running a Small Scale Dairy, Setting up and opening your Dairy Business, Setting up of Cattle Breeding and Dairy Farming plant, small dairy farm business plan, Small scale Commercial Milk Dairy, Small-Scale Dairy: The Complete Guide to Milk Production, Start your own dairy business, State-Of-The-Art Infrastructure Dairy Farm, Techno-Economic feasibility study on Cattle Breeding and Dairy Farm, The composition of Cow's Milk, what is a dairy farm, What is the turnover / profitability of a cow dairy farm, Why Dairy Farming in India?

Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
*Cattle Breeding and Dairy Farm
to Produce Milk*

See more

<https://goo.gl/kJJvzf>

<https://goo.gl/UzIa18>

<https://goo.gl/yVOgF0>

<https://goo.gl/dcx0IR>

Visit us at

www.entrepreneurindia.co



**Take a look at
NIIR PROJECT CONSULTANCY SERVICES
on #Street View**

<https://goo.gl/VstWkd>

Locate us on
Google Maps

<https://goo.gl/maps/BKkUtq9gevT2>

Contact us

Niir Project Consultancy Services

106-E, Kamlा Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : www.entrepreneurindia.co , www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on

#StreetView

<https://goo.gl/VstWkd>



NIR PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company



www.entrepreneurindia.co

Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*

- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.

We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.

What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

Sectors We Cover

Cont...

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

Sectors We Cover

Cont...

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

Sectors We Cover

Cont...

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitality Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

Sectors We Cover

Cont...

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

Sectors We Cover

Cont...

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

Sectors We Cover

Cont...

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

Sectors We Cover

Cont...

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

Contact us

Niir Project Consultancy Services

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23841561

Website : www.entrepreneurindia.co , www.niir.org

**Take a look at NIIR PROJECT CONSULTANCY SERVICES on
#StreetView**

<https://goo.gl/VstWkd>



Follow us



➤ <https://www.linkedin.com/company/niir-project-consultancy-services>



➤ <https://www.facebook.com/NIIR.ORG>



➤ <https://www.youtube.com/user/NIIRproject>



➤ <https://plus.google.com/+EntrepreneurIndiaNewDelhi>



➤ https://twitter.com/npcs_in



➤ <https://www.pinterest.com/npcsindia/>

