

# How to Start a Dairy Farm Business in India.

## Production Process of Dairy Products.

## Dairy Products with Cattle Breeding



# **Introduction**

**Dairy farming is a type of agriculture that is focused on producing milk. This is different from raising animals to produce meat. Milk can be used to produce dairy products, including cheese. Species commonly used are cows (so-called dairy cows), but goats, sheep and camels are also used. Sometimes donkeys are used to produce an alternative to cows' milk for babies. Some babies can digest donkeys' milk better than cows' milk.**

**Producing milk has been part of farming for a long time. In the last century, farms have become more specialised. In the 20th century, some farmers started with farms that only produce milk.**

**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'.**

**Milk Production in India has increased manifold and in the last financial year, the total milk production in the country crossed the mark of 140 Million Tonnes. Milk is used as a food. It is used prepare curd, butter, ghee cream and ice cream etc.**

**The government is taking several initiatives and introducing yearly plans in order to boost the dairy market. The Indian dairy market is now witnessing the entry of a large number of foreign players.**



**India's demand for milk and milk products is increasing twice as fast as the production of milk. The market is also witnessing a consumer shift towards healthier products such as UHT milk, probiotic drinks, Processed Cheese, Curd, Butter Milk & Ghee etc.**

**India is one of the fastest growing markets for cheese with a total consumption of about 7,000 tons a year. Cheese is becoming a popular item in the menu of all relatively affluent families. Slowly but surely, it will penetrate into the rural markets.**

**Yogurt, traditionally known as “Dahi” in India, has been a part of the Indian meal, with home-made dahi consumed daily. The Indian palate is well-accustomed to the taste of not only plain yogurt but also such form and taste variants as Lassi, Chaas, Srikhand, Mishti Doi, Raita, etc.**

**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.**

**India is a land of opportunity for investors looking for new and expanding markets. Dairy food processing holds immense potential for high returns. The dairy food market in the India has witnessed a growth in recent years on account of rising demand for dairy food products fueled by expansion in milk production. The surge in growth is majorly originated from growth in Ice cream and Milk Powder as a segment of dairy food market.**

**The growth in this segment has been largely led by the domestic factors such as innovative technology and rise in availability of variants. India dairy food market will grow at a considerable CAGR to cross INR 250 billion by 2019 due to the increasing number of dairy farmers and rising average yield of cows.**

# 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
<b>All India</b>	<b>84,406</b>	<b>86,159</b>	<b>88,082</b>	<b>92,484</b>	<b>97,066</b>	<b>1,02,580</b>	<b>1,07,934</b>	<b>1,12,183</b>	<b>1,16,425</b>	<b>1,21,848</b>	<b>1,27,904</b>	<b>1,32,431</b>	<b>1,37,685</b>	<b>1,46,314</b>

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	83	74	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
<b>1 Milk Group</b>	<b>3,24,895</b>	<b>3,68,997</b>	<b>4,07,396</b>
<b>2 Meat Group</b>	<b>96,287</b>	<b>1,14,402</b>	<b>1,32,360</b>
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
<b>3 Eggs</b>	<b>16,470</b>	<b>19,352</b>	<b>22,423</b>
<b>4 Wool &amp; hair</b>	<b>512</b>	<b>581</b>	<b>569</b>
<b>5 Dung</b>	<b>32,754</b>	<b>36,936</b>	<b>41,443</b>
<b>6 Silk Worm Cocoons and Honey</b>	<b>4,331</b>	<b>5,227</b>	<b>6,707</b>
<b>7 Increment in Stock</b>	<b>9,854</b>	<b>11,609</b>	<b>12,964</b>
<b>Value of Output from Livestock Sector</b>	<b>4,85,103</b>	<b>5,57,103</b>	<b>6,23,861</b>

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
<b>Total Bovines</b>	<b>198.7</b>	<b>203.6</b>	<b>226.8</b>	<b>229.2</b>	<b>235.7</b>	<b>242.0</b>	<b>262.2</b>	<b>275.7</b>	<b>288.8</b>	<b>288.8</b>	<b>283.1</b>	<b>304.4</b>	<b>299.6</b>
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	NA	NA	NA	NA	NA	NA	NA	0.2	0.2	0.3	0.3	0.3
<b>Total Livestock</b>	<b>292.9</b>	<b>306.6</b>	<b>336.5</b>	<b>344.5</b>	<b>353.2</b>	<b>369.4</b>	<b>419.6</b>	<b>445.2</b>	<b>470.9</b>	<b>485.4</b>	<b>485.0</b>	<b>529.7</b>	<b>512.1</b>
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



## Few Indian Major Players are as under

- Amrut Industries Ltd.
- Anmol Dairy Ltd.
- Britannia Industries Ltd.
- G R B Dairy Foods Pvt. Ltd.
- Haryana Milk Foods Ltd.
- Indiana Dairy Specialities Ltd.
- Industrial Progressive (India) Ltd.
- Mahaan Foods Ltd.
- Milkfood Ltd.
- Nikumbh Dairy Products Ltd.

# Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	265.00	265.00	Capital	0.00	511.66	511.66
Buildings	0.00	651.90	651.90	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	581.12	581.12	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	15.00	15.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	389.00	389.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	25.00	25.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1534.99	1534.99
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	57.00	57.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	57.62	57.62				
<b>TOTAL</b>	<b>0.00</b>	<b>2046.65</b>	<b>2046.65</b>	<b>TOTAL</b>	<b>0.00</b>	<b>2046.65</b>	<b>2046.65</b>

# 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	Per Share				
						%		%		No. of Times	%
1-2	5.24	9.20	15.24	24.00	0.00	100.00	5.24	0.00	5.24	1.00	0.00
2-3	7.80	11.28	23.04	18.00	0.00	100.00	7.80	0.00	7.80	1.00	0.00
3-4	10.33	13.39	33.38	12.00	0.00	100.00	10.33	0.00	10.33	1.00	0.00
4-5	12.81	15.50	46.19	6.00	0.00	100.00	12.81	0.00	12.81	1.00	0.00
5-6	15.22	17.58	61.40	0.00	0.00	100.00	15.22	0.00	15.22	1.00	0.00

# Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Retur n on Net Wort h	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
	Individ ual	Cumula tive	Overa ll					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.34	1.34		1.57	1.57	1.75		36.64 %	23.51%	16.25 %	1346. 38	81.62 %	0.78	0.81
2-3	1.61	1.47		0.78	0.78	0.92		41.30 %	31.68%	20.75 %	1519. 21	78.94 %	0.86	1.40
3-4	1.94	1.61	1.94	0.36	0.36	0.46		44.47 %	37.48%	24.04 %	1735. 01	78.88 %	0.89	2.16
4-5	2.32	1.77		0.13	0.13	0.21		46.64 %	41.68%	26.49 %	1950. 81	78.84 %	0.87	3.07
5-6	2.80	1.94		0.00	0.00	0.07		48.10 %	44.76%	28.32 %	2166. 61	78.81 %	0.82	9.81

# Project at a Glance

## BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	37.21%
Total BEP (% of Installed Capacity)	42.80%
IRR, PAYBACK and FACR	
Internal Rate of Return .. ( In %age )	24.82%
Payback Period of the Project is ( In Years )	2 Years 3 Months
Fixed Assets Coverage Ratio ( No. of times )	2.216

# Major Queries/Questions Answered in the Report?

- 1. What is Dairy Farming with Breeding and Dairy Products 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 Dairy Farming with Breeding and Dairy Products Plant ?**
- 4. What are the requirements of Working Capital for setting up a Dairy Farming with Breeding and Dairy Products plant ?**

- 5. What is the structure of the Dairy Farming with Breeding and Dairy Products 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 Dairy Farming with Breeding and Dairy Products plant ?**
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- 10. What are the requirements of raw material for setting up a Dairy Farming with Breeding and Dairy Products plant ?**
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- 12. What is the Manufacturing Process and Formulations of Cattle Breeding and Dairy Farm plant ?**



- 13. What is the total size of land required for setting up a Dairy Farming with Breeding and Dairy Products plant ?**
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- **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**
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- **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 Dairy Farming with Breeding and Dairy Products” provides an insight into the Dairy Farming with Breeding and Dairy Products market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Dairy Farming with Breeding and Dairy Products project. The report assesses the market sizing and growth of the Indian Dairy Farming and Dairy Products 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 Dairy Farming with Breeding and Dairy Products sector in India along with its business prospects. Through this report we have identified Dairy Farming with Breeding and Dairy Products project as a lucrative investment avenue.**

## Tags

How to Start Dairy Farm Business, How to Start Dairy Farm Business in India, Dairy Farming, Dairy Farming Business, Dairy Farming Business Project Report, Commercial Dairy Farming in India, Production Process of Dairy Products, Dairy Processing, Milk Processing & Dairy Products, Mini Dairy Plant, Milk Processing Plant, Dairy Product Manufacturing, Production of Dairy Products, Dairy Products in India, Milk Processing, Start Dairy Product Business, Cattle Breeding, Dairy Farming and Dairy Products With Cattle Breeding, Dairy Farming in India, Dairy Cattle Breeding, How to Start Dairy Farm, Small Dairy Farm in India, Start Your Own Dairy Business, Dairy Farming for Milk, Dairy Farming Unit, Dairy Farming Products Project Reports, Processed Dairy Product, Production Process of Dairy Products, Dairy Products Manufacture, Dairy Products Industry in India, Dairy Farming Plant, Dairy Farming and Dairy Industry India, Cattle Breeding and Cattle Farming, Starting Dairy Farm in India, Cattle Breeding and Dairy Farm to Produce Milk, Cattle and Dairy Farming, Farming and Milk Production, How to Start Business in India, Top Small Business Ideas in India for Starting Your Own Business, Top Easy Small Business Ideas in India, Small Investment Big Returns, Top Best Small Business Ideas in India,

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**Requirement collection**

**Thorough analysis of the project**

**Economic feasibility study of the Project**

**Market potential survey/research**

**Report Compilation**



# Contact us

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