Dairy Farming to Produce Milk and Cattle Breeding

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

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Source: Basic Animal Husbandry Statistics, DAHD&F, GoI
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Source: Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture, GoI
## Per capita availability of Milk by States (gms/day)

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<td>2.3 By-Products</td>
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<td>1,291</td>
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<td>2.3.3 Other By Products</td>
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<td>1,573</td>
<td>1,741</td>
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<td>3 Eggs</td>
<td>16,470</td>
<td>19,352</td>
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<td>4 Wool &amp; hair</td>
<td>512</td>
<td>581</td>
<td>569</td>
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<td>5 Dung</td>
<td>32,754</td>
<td>36,936</td>
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<td>6 Silk Worm Cocoonsand Honey</td>
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<td>7 Increment in Stock</td>
<td>9,854</td>
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<td>Value of Output from Livestock Sector</td>
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### Livestock Population in India by Species (Million numbers)

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<td>178.3</td>
<td>180.0</td>
<td>192.5</td>
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<td>204.6</td>
<td>198.9</td>
<td>185.2</td>
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<td>47.3</td>
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<td>51.8</td>
<td>53.4</td>
<td>54.6</td>
<td>59.2</td>
<td>62.1</td>
<td>64.4</td>
<td>64.4</td>
<td>64.5</td>
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<td>Buffalo</td>
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<td>44.9</td>
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<td>57.4</td>
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<td>69.8</td>
<td>76.0</td>
<td>84.2</td>
<td>89.9</td>
<td>97.9</td>
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<tr>
<td>Adult Female Buffalo</td>
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<td>28.6</td>
<td>31.3</td>
<td>32.5</td>
<td>39.1</td>
<td>43.8</td>
<td>46.8</td>
<td>51.0</td>
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<td>235.7</td>
<td>242.0</td>
<td>262.2</td>
<td>275.7</td>
<td>288.8</td>
<td>288.8</td>
<td>283.1</td>
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<td>Sheep</td>
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<td>41.0</td>
<td>48.8</td>
<td>45.7</td>
<td>50.8</td>
<td>57.5</td>
<td>61.5</td>
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<td>Goat</td>
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<td>55.4</td>
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<td>67.5</td>
<td>75.6</td>
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<td>110.2</td>
<td>115.3</td>
<td>122.7</td>
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<td>Horses and Ponies</td>
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<td>1.5</td>
<td>1.3</td>
<td>1.1</td>
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<td>1.1</td>
<td>1.1</td>
<td>1.1</td>
<td>1.0</td>
<td>1.0</td>
<td>0.9</td>
<td>0.6</td>
<td>0.5</td>
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<tr>
<td>Pigs</td>
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<td>4.9</td>
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<td>5.0</td>
<td>6.9</td>
<td>7.6</td>
<td>10.1</td>
<td>10.6</td>
<td>12.8</td>
<td>13.3</td>
<td>13.5</td>
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<td>1.0</td>
<td>1.0</td>
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<td>0.7</td>
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<td>0.1</td>
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<td>Mithun</td>
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<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>0.2</td>
<td>0.2</td>
<td>0.3</td>
<td>0.3</td>
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<tr>
<td><strong>Total Livestock</strong></td>
<td>292.9</td>
<td>306.6</td>
<td>336.5</td>
<td>344.5</td>
<td>353.2</td>
<td>369.4</td>
<td>419.6</td>
<td>445.2</td>
<td>470.9</td>
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<td>Poultry</td>
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<td>114.2</td>
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<td>307.1</td>
<td>347.6</td>
<td>489.0</td>
<td>648.8</td>
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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

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
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<td>50.00</td>
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<td>46.20</td>
<td>Other Type Share Capital</td>
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<td>Long/Medium Term</td>
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<td>Debentures / Bonds</td>
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<td>Unsecured Loans/Deposits</td>
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<td>Margin Money - Working Capital</td>
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## Project at a Glance

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<th>Annualised</th>
<th>Book Value</th>
<th>Debt</th>
<th>Dividend</th>
<th>Retained Earnings</th>
<th>Payout</th>
<th>Probable Market Price</th>
<th>P/E Ratio</th>
<th>Yield Price/Book Value</th>
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<tr>
<td></td>
<td>EPS</td>
<td>CEPS</td>
<td>Per Share</td>
<td>Per Share</td>
<td>Per Share</td>
<td>No.of Times</td>
<td>%</td>
<td>%</td>
<td>%</td>
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## Project at a Glance

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<th>Total Net Worth</th>
<th>Return on Net Worth</th>
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<tr>
<td></td>
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<td>(Number of times)</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
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<td>Initial</td>
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<td>1.67</td>
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<td>0.88</td>
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<td>0.12</td>
<td>27.30%</td>
<td>19.19%</td>
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## Project at a Glance

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<td>BEP - Maximum Utilisation Year</td>
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<td>Cash BEP (% of Installed Capacity)</td>
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<td>Total BEP (% of Installed Capacity)</td>
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### IRR, PAYBACK and FACR

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<td>Internal Rate of Return .. ( In %age )</td>
<td>11.54%</td>
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<tr>
<td>Payback Period of the Project is ( In Years )</td>
<td>3 Years 2 Months</td>
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<tr>
<td>Fixed Assets Coverage Ratio ( No. of times )</td>
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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**


5.2. 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
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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.
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?
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Thorough analysis of the project

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