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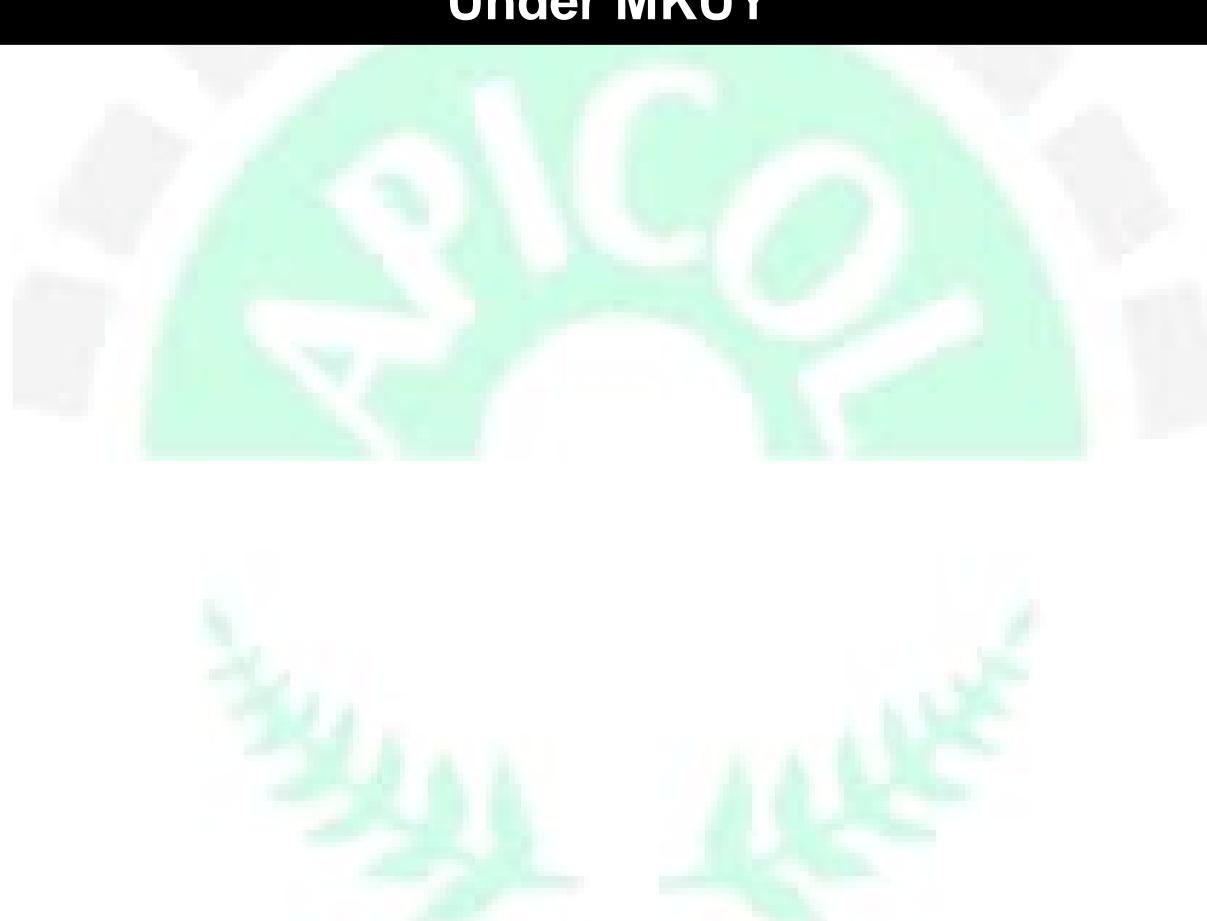
# **Detailed Project Report**

**on**

## **Commercial Goat Farming – Bank Finance (50+3)**

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**Under MKUY**



**Name of the Entrepreneur/Entity:**

**Address:**



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## 1. Project Summary

|    |  |  |
|----|--|--|
| 1  | Name of the Enterprise<br>(as per the Illustrative List of Enterprises)  | Commercial Goat Farming<br>(50+3)                      |
| 2  | Sector<br>(as per the Illustrative List of Enterprises)  | AH&VS  |
| 3  | Project Capacity <sup>1</sup>  | 50 Female + 3 Male                                     |
| 4  | Key components of the project  | Goat farming and selling of adult male and female goat |
| 5  | Project Address<br>(Village/Ward, Gram Pranchayat/Municipality, Block, District)   |  |
| 6  | Products/Output from the project   |  |
| 7  | Total Project Cost   | Rs. 10,60,910  |
| 8  | Fixed Capital Cost   | Rs. 10,36,910  |
| 9  | Working/Recurring capital  | Rs. 24,000   |
| 10 | Bank Finance/ Self Finance   | Bank-Finance   |
| 11 | Bank Loan Amount   | Rs. 7,95,683   |
| 12 | Promoter Contribution (min 10% in case of bank loan)   | Rs. 2,65,228   |
| 13 | Assumed Rate of Interest   | 11%  |
| 14 | Subsidy Eligibility (40%, 50%)   |  |
| 15 | Repayment Terms<br>(Tenure, Moratorium, Frequency, Mode of Repayment: equal principal/equal instalment)  | Equal Monthly Instalment                               |
| 16 | Key Financial Indicators:<br>1. Average Annual Net Profit<br>2. Debt Service Coverage Ratio (DSCR)<br>3. Internal Rate of Return<br>4. Break Even Point (BEP)/Year | Rs. 3,25,863<br>2.33<br>24.35%<br>3 Year 5 Month       |
| 17 | Estimated employment to be generated (nos.)  | 1  |

**Note: The price quoted in the DPR is indicative. Final CIS will be calculated as per the Rate in MKUY guideline.**

<sup>1</sup> Capacity can be in terms of area or quantity



## 2. Project Profile

### 2.1 Entrepreneur/Entity Profile

|    |   |  |
|----|---|--|
| 1  | Name of the Entrepreneur/Entity   |  |
| 2  | Legal status<br>(Individual/ Group/ FPO/ FPC/ Proprietorship/ Partnership firm/ Company/ Cooperative/ Federation/ Society/ Trust)   |  |
| 3  | Name of Representative <sup>2</sup> in Ease of entity   |  |
| 4  | Gender (Male/ Female/ Third Gender/ Not Applicable)   |  |
| 5  | Date of Birth of Individual/Representative of Entity  |  |
| 6  | Date of Incorporation/Registration of Entity  |  |
| 7  | Category opted for<br>(Women/ ST/ SC/ Differently Abled/ Third gender/ Agri & Allied Graduate)  |  |
| 8  | Educational Qualification of Individual/Representative of Entity  |  |
| 9  | Passport size photograph of the Individual/ Representative of entity  |  |
| 10 | Local Address for Correspondence of the Individual/ Representative of entity  |  |
| 11 | Registered Address of Entity  |  |
| 12 | Main Office/Branch Address of Entity  |  |
| 13 | Phone no. of Individual/Representative of Entity  |  |
| 14 | Email Id of Individual/Representative of Entity   |  |
| 15 | AADHAR No. of Individual/Representative   |  |
| 16 | PAN of Individual/Representative of Entity, if available  |  |
| 17 | Farmer Id of Individual, if available   |  |
| 18 | Details of other Partner/Director/ President/Secretary  |  |
| 19 | Registration No./ CIN of the Entity <sup>3</sup>  |  |
| 20 | PAN/TAN of Entity   |  |
| 21 | GSTIN of Entity, if available   |  |
| 22 | Details of experience and exposure relevant to the proposed enterprise/project<br>(family business, work experience, e-learning/certificate courses, trainings undertaken etc.) |  |

<sup>2</sup> Representative should be authorized by the board/governing body of the entity.

<sup>3</sup> Registration document:

Groups (SHG/PG/: FPO: Proprietorship firm: Registration Certificate under Shops & Establishment Act, Partnership firm: Registration Certificate from IGR of state, Company (Pvt. Ltd., Public Ltd., LLP, OPC, FPC): Certification of Incorporation, Cooperative/ Federation: Certificate of Registration from Registrar of Cooperative Societies, Society/Trust: Darpan Unique Id



## 2.2. Project Consultant Details

DPR prepared by: APICOL

Please provide further details of the consultant:





## 2.3. Concept and Scope of the Project

Goat has been considered as dairy and meat animal for long in India. It has been given the popular name of "poor man's cow" for milk production. Goats are small animals and easy to manage. They are economical to the poor farmers and demand less labour for milk, meat and fibre. Goats provide a considerable source of income and occupation to a sizeable rural population, especially the economically and socially backward classes of the society in India.

Goat may be regarded as the most valuable animal that can be maintained at low cost with more returns, if properly controlled through production and management. The importance of goat farming has increased now due to their economic return. They need minimum input such as supplementary feeding, veterinary aid and labour. The growing demand for meat and skin has also contributed to commercial goat farming.

Goats require low initial investment as compared to cattle and buffalo. Because of their smaller body size and docile nature, they pose least management problems.

Goat is the only livestock species that lives on ecology where grazing material is virtually not available. Goats survive on available hardy shrubs under diverse harsh environments in low fertility area. Goat provides more meat and milk per unit live weight per year than cattle, sheep and camel. They are more economical than cattle and sheep. They are responsible for providing employment and means of earning to the rural poor.

A specific focus on improved system of goat production and post-harvest technology can further increase the current level of employment and alleviate hunger. Thus, goat farming has great potential in India. Hence, goat rearing under semi-intensive condition is one of such rural enterprise that can be done on a commercial scale with the twin objective of employment generation and income creation. The location of goat unit should be such that there is ample facility for marketing goat products at reasonable price.

The scope of commercial goat farming in Odisha is promising due to several factors, including the state's favourable Agro-climatic conditions, growing demand for goat meat (chevon), and the potential for generating income and livelihoods. Commercial goat farming involves raising goats on a larger scale for meat, milk, and other by-products. Here's an overview of the scope of commercial goat farming in Odisha:

1. **Agro-Climatic Suitability:** Odisha's varied climatic conditions are suitable for goat farming. Different regions of the state provide opportunities for various goat breeds to thrive, ensuring year-round availability of goats for meat production.
2. **High Demand for Goat Meat:** Goat meat (chevon) is a popular and widely consumed protein source in Odisha. The demand for goat meat is consistently high, particularly during festivals and special occasions.
3. **Income Generation:** Commercial goat farming offers substantial income-generation potential, making it an attractive option for individuals seeking alternative sources of livelihood, especially in rural areas.
4. **Employment Opportunities:** Goat farming can create direct and indirect employment opportunities, including jobs related to animal care, breeding, feed management, marketing, and processing.



5. Export Potential: If managed well, goat farming in Odisha could potentially tap into the export market for goat meat and related products, contributing to the state's economy.
6. Diverse Goat Breeds: Odisha is home to various goat breeds, each with its unique characteristics and advantages. This diversity allows farmers to choose breeds that suit their farming goals and local conditions.
7. Adaptability: Goats are well adapted to diverse agro-ecological conditions and can thrive in areas with limited resources. This adaptability makes goat farming feasible even in less-favourable regions.
8. Utilization of Marginal Land: Goat farming can be practiced on marginal lands that may not be suitable for crop cultivation. This optimizes land use and contributes to overall farm productivity.
9. Value Addition: Apart from meat production, goat farming can lead to value addition through products like goat milk, cheese, and skin, further enhancing income potential.
10. Organic Farming Integration: Goat manure is a valuable organic fertilizer. Integrating goat farming with crop production can improve soil fertility and enhance overall farm sustainability.

### **Suitable Location/Site for Goat Farming**

Almost all areas are suitable for goat farming. But we can select a land for goat farming nearer to home or select a land which has all types of facilities for successful goat farming business. During selection of land for goat farming business, the following points should be considered:

1. The patch of land should have source of fresh and clean water.
2. Suitable for grass, crop and other green plants production as green fodder is used to reduce feed cost.
3. The selected land may not be too far from the market or town.
4. Ensure there is a suitable market near your selected area for purchasing necessary commodities and medicines.
5. Find out if there are any other goat farms located in your selected area.
6. A suitable market with good demand for goat or meat would be much better.
7. Try to select the land in village area as labourers & other inputs can easily be found within the budget in village areas.
8. Ensure availability of all types of veterinary service in the area. If not, stock the required vaccines and medicines in the farm.
9. Good transportation system to easily sell the products and buy necessary commodities from nearest market or town.

### **Housing Of Goats**

The houses should be semi-closed type & orientation should be East- West direction. Sloppy roof is best for the comfort of the goats.

1. Maximum length of shed = 100 ft.
2. Width of the shed = 15-20 ft.
3. Central height = 3 mtrs., Side height = 2 mtrs.
4. Height of North & South side walls=1 mtr.( 50% of side height)



There should be separate houses for keeping different category of goats such as - (dry, pregnant, lactating, sick bucks & kids). Shed premises should have sufficient plantation which protects the animals from direct wind & scorching sun during summer. At least 2 trees in each paddock should be planted.

**Feeding Mangers:** Concrete/brick partition with GI pipe at a distance of 30 cm would be economical with long shelf life.

OD: 8.2x0.8x0.3 m

ID: 8.0x0.6x0.2m.

A manager of same dimensions is also required in each paddock.

#### **Watering:**

1. For adult: - made of concrete/bricks. Size: ID: 4.80x0.90x0.37m.
2. For young animals (3-6 Months): 3.60x0.75x0.30 m.
3. For kids (0-3 months): Plastic tubs of 8-10 litre capacity may be used

#### **Feed and Fodder**

Goat is fastidious eater & likes browsing. Common feeds & fodders of goat are –

##### **a) Roughage**

Tree/Bushes/Shrubs leaves, Neem, Peepal, Bargad, Golar, Jamun, Angir, Babul, Jharberi, Bhimal, Ber, Mulberry, anjan, Bamboo, Subabul, Karonda, Gokhuru etc.

Hays – Cowpea, Berseem, Oats.

Straws – Arhar, Gram, Wheat and Paddy.

Grasses – Dub, Anjana, Sawain, Zarga, Kankunwa etc.

Cultivated fodders & their hay/bhusa- Lobia, bereseem, Lucerne, oats, maize, bajra, para grass.

##### **b) Concentrate**

Cheap & easily available feed ingredients shall be used for computing concentrate feed for goats. Babul Pods, Gram, Wheat Bran, GNC, Sesame Cake, Arhar Grain, Maize, owar, Bajra, Barley and Guar, Jungle Bean Pods. Mineral mixture 2% & Iodized common salt 1% shall be mixed.

#### **Breeding Season**

| Sl. No. | Season | Season in Heat | Kidding Season | Remark |
|---------|--------|----------------|----------------|--------|
| 1       | Summer | March – April  | Aug - Sept     |        |
| 2       | Rainy  | June – July    | Nov - Dec      | Best   |
| 3       | Winter | Oct – Nov      | Jan - Feb      |        |

- a. Kidding=80-90%,
- b. Twinning=40%



- c. Triplicate=10%
- d. Single=50%

### Terminology:

- Buck - an adult, male goat
- Doe - an adult, female goat
- Kid - a young goat
- Kidding – a process of giving birth in goat
- Lactation – milk yielding period

### Market Potential

The market potential for goat farming in Odisha is substantial, driven by the state's cultural preferences for goat meat, increasing demand for protein-rich foods, and the potential for value addition in the goat farming value chain. Here's an overview of the market potential for goat farming in Odisha:

1. High Demand for Goat Meat: Goat meat (chevon) is a staple in Odisha's cuisine and is consumed widely. The demand for goat meat remains consistently high throughout the year, driven by cultural preferences, festivals, and special occasions.
2. Festive and Religious Consumption: Goat meat is an essential part of many religious and festival-related celebrations in Odisha. This leads to periodic spikes in demand, making goat farming a lucrative enterprise.
3. Export Potential: If managed and processed under proper hygiene and quality control measures, goat meat and related products from Odisha could potentially find markets beyond the state and even internationally.
4. Value Addition: Goat farming allows for value addition through the production of various by-products such as milk, leather, and skin. This can lead to increased income for farmers.
5. Diverse Market Segments: The market for goat farming in Odisha can cater to a diverse range of consumers, including those who prefer traditional cuts of meat, as well as those interested in processed and value-added products.

### 3. Techno-commercial Assumptions

| Sl. No. | Parameter                            | Value | Unit  |
|---------|--------------------------------------|-------|-------|
| 1       | Increase in cost of animal           | 5     | %     |
| 2       | Increase in electricity price        | 2     | %     |
| 3       | Collection from Debtors (First Year) | 10    | Days  |
| 4       | Collection from Debtors              | 10    | Days  |
| 5       | Payable to Creditors                 | 15    | Days  |
| 6       | Drawing By Promoter                  | 30    | %     |
| 7       | Increase in Staff Salary             | 5     | %     |
| 8       | Rate of Interest on TL               | 11    | %     |
| 9       | Rate of Interest on WC               | 9     | %     |
| 10      | Loan Repayment (in year)             | 7     | Years |
| 11      | Raw Material in Stock (on sales)     | 15    | Days  |
| 12      | Finished Goods in stock (on sales)   | 5     | Days  |



| Sl. No. | Parameter  | Value  | Unit     |
|---------|--|--------|----------|
| 13      | Promoter's Contribution (Term Loan)  | 25     | %        |
| 14      | Promoter's Contribution (Working Capital)  | 25     | %        |
| 15      | Working Capital Requirement  | 3      | Months   |
| 17      | Working Capital Utilisation  | 100    | %        |
| 18      | Total sale of kid in the first year  | 25     | %        |
| 19      | Cost of Adult Does   | 6500   | Rs       |
| 20      | Cost of Adult Bucks  | 10000  | Rs       |
| 21      | Age group of adult Doe   | 9 to18 | Months   |
| 22      | Age group of adult Buck  | 24     | Months   |
| 23      | Rate of Male Kid   | 6000   | Rs       |
| 24      | Rate of Female Kid   | 5000   | Rs       |
| 25      | Rate of culled animal  | 3000   | Rs       |
| 26      | No of working days   | 365    | Days     |
| 27      | Kidding interval   | 8      | Month    |
| 28      | Average kiddings   | 1.5    | Per Year |
| 29      | Kidding  | 90     | %        |
| 30      | Kid mortality  | 15     | %        |
| 31      | Adult mortality  | 5      | %        |
| 32      | Average litter size (average of single 31.86%, twinning 84.51%, triplet 11.90%, quadruplet 1.54% , Quintuplet 0.19%) | 1.66   | No       |
| 33      | Adult Does   | 50     | No       |
| 34      | Adult Bucks  | 3      | No       |
| 35      | Male: Female kids  | 01:01  | Ratio    |
| 36      | Average Male kids born / year  | 56     | No       |
| 37      | Average Female kids born / year  | 56     | No       |
| 38      | Saleable age of young animals  | 11     | Month    |
| 39      | Area for fodder cultivation  | 1      | Acre     |
| 40      | Space requirement / Buck   | 20     | Sq.ft    |
| 41      | Space requirement / Doe  | 10     | Sq.ft    |
| 42      | Space requirement / Kid  | 4      | Sq.ft    |
| 43      | Conc.feed / doe / month / kidding (one month before breeding and one month after kidding)                            | 6.75   | Kg       |
| 44      | Conc.feed / buck / month (two months per breeding season)  | 7.5    | Kg       |
| 45      | Conc.feed / kid / month (for 1 month)  | 3.75   | Kg       |
| 46      | Total feed quantity / year   | 2.5    | MT       |
| 47      | Conc. Feed / Bag   | 50     | Kg       |
| 48      | Cost of Conc. Feed   | 22     | Rs/kg    |
| 49      | Cost of veterinary aid (adult)   | 40     | Rs       |
| 50      | Cost of veterinary aid (kid)   | 20     | Rs       |
| 51      | Culled animals / year  | 5      | %        |
| 52      | Sale price of empty gunny bags   | 5      | Rs       |
| 53      | Insurance charges in % of animal cost  | 7.50   | %        |



| Flock projection chart |                                       |      |      |      |      |      |      |      |
|------------------------|---------------------------------------|------|------|------|------|------|------|------|
|                        | Particulars                           | Year |      |      |      |      |      |      |
|                        |                                       | 1st  | 2nd  | 3rd  | 4th  | 5th  | 6th  | 7th  |
| 1                      | No. of does purchase                  | 50   | 0    | 0    | 0    | 0    | 0    | 0    |
| 2                      | No. of bucks purchased                | 3    | 0    | 0    | 0    | 0    | 0    | 0    |
| 3                      | Kidding (%)                           | 90   | 90   | 90   | 90   | 90   | 90   | 90   |
| 4                      | Average litter size                   | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| 5                      | No. of kidding/year                   | 1.0  | 2.0  | 1.0  | 2.0  | 1.0  | 2.0  | 1.0  |
| 6                      | No. of male kids                      | 37   | 75   | 37   | 75   | 37   | 75   | 37   |
| 7                      | No. of female kids                    | 37   | 75   | 37   | 75   | 37   | 75   | 37   |
| 8                      | Total Kids                            | 75   | 149  | 75   | 149  | 75   | 149  | 75   |
| 9                      | Mortality (%)                         | 15   | 15   | 15   | 15   | 15   | 15   | 15   |
| 10                     | No of male kids died                  | 6    | 11   | 6    | 11   | 6    | 11   | 6    |
| 11                     | No of female kids died                | 6    | 11   | 6    | 11   | 6    | 11   | 6    |
| 12                     | No. of male kids available for sale   | 8    | 87   | 32   | 63   | 32   | 63   | 32   |
| 13                     | No. of female kids available for sale | 8    | 87   | 32   | 63   | 32   | 63   | 32   |

## 1. Financial Details

### 4.1. Project Fixed Capital

| Sl. No.                     | Particulars  | Unit    | Qty. | Cost per unit (Rs) | Total (Rs) |
|-----------------------------|--|---------|------|--------------------|------------|
| <b>A Land</b>               |  |         |      |                    |            |
| 1                           | Land Development   | LS      |      |                    | 10,000     |
| 2                           | Fencing (Barbed wire/Green Fencing)                                  | LS      |      |                    | 20,000     |
| <b>Sub Total</b>            |  |         |      |                    |            |
| <b>B Civil Construction</b> |  |         |      |                    |            |
| 1                           | Adult Doe (Shed) (50 nos.*10 sq. ft.)                                | Sq. ft. | 500  | 350                | 1,75,000   |
| 2                           | Adult Buck (Shed) (3 nos.*20 sq. ft)                                 | Sq. ft. | 60   | 350                | 21,000     |
| 3                           | Kids (Shed) (112 nos.*4 sq. ft)                                      | Sq. ft. | 448  | 350                | 1,56,800   |
| 4                           | Raised platform with plastic mat                                     | Sq. ft. | 1008 | 45                 | 45,360     |
| 5                           | Store cum office room  | Sq. ft. | 200  | 350                | 70,000     |
| <b>Sub Total</b>            |  |         |      |                    |            |
| <b>C Water Supply</b>       |  |         |      |                    |            |
| 1                           | Borewell / Tube well with pump, pipeline, overhead tank and fitments |         |      |                    | 1,00,000   |
| <b>D Electrification</b>    |  |         |      |                    |            |
| 1                           | Installation and Fitting (3% of civil cost)                          | Lumpsum |      |                    | 16,000     |

| E                  | Plant & Machinery                        | Unit/ Specification | Qty. | Unit Price (Rs) | Total (Rs)    |
|--------------------|--|---------------------|------|-----------------|---------------|
| <b>Sl. No.</b>     |  |                     |      |                 |               |
| 1                  | Equipment for Kid (Feeder/Drinker)       | Nos                 | 112  | 25              | 2,800         |
| 2                  | Equipment for Adult (feeder and drinker) | Nos                 | 53   | 25              | 1,325         |
| 3                  | Chaffcutter                              | Nos                 | 1    | 25,000          | 25,000        |
| 4                  | <b>Total</b>                             |                     |      |                 | <b>29,125</b> |
| <b>F Livestock</b> |  |                     |      |                 |               |
| 1                  | Cost of Adult Does                       | Nos                 | 50   | 6,500           | 3,25,000      |
| 2                  | Cost of Adult Bucks                      | Nos                 | 3    | 10,000          | 30,000        |



|          |  |  |  |  |                 |
|----------|--|--|--|--|-----------------|
|          | <b>Total</b>                           |  |  |  | <b>3,55,000</b> |
| <b>G</b> | <b>Miscellaneous Expenditure</b>       |  |  |  |                 |
| 1        | Insurance premium                      |  |  |  | 26,625          |
| 2        | DPR cost                               |  |  |  | 2,504           |
| 3        | Fodder cultivation                     |  |  |  | 7,000           |
| 4        | Other miscellaneous exp.               |  |  |  | 3,496           |
|          | <b>Total Miscellaneous Expenditure</b> |  |  |  | <b>39,625</b>   |





## 4.2. Project Variable Expenses

| Details of Recurring Expenditure |   |         |                |               |               |               |               |               |               |               |
|----------------------------------|---|---------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1. Details of raw material       |   |         |                |               |               |               |               |               |               |               |
| Sl. No.                          | Items   | Unit    | Rate/Unit (Rs) | 1             | 2             | 3             | 4             | 5             | 6             | 7             |
| 1                                | Conc. feed (kg/month)/doe/kidding (one month before breeding and one month after kidding) | kgs     | 22             | 14,850        | 35,000        | 20,000        | 40,000        | 20,000        | 40,000        | 25,000        |
| 2                                | Conc. feed / buck / month (two months per breeding season)                                | kgs     | 22             | 990           | 1,100         | 1,200         | 1,300         | 1,300         | 1,400         | 1,400         |
| 3                                | Conc. feed/kid/month (for 1 month)  | Kgs     | 22             | 6,163         | 13,600        | 7,200         | 15,000        | 7,900         | 16,600        | 8,700         |
| 4                                | Cost of veterinary aid (adult)  | Lumpsum | 40             | 2,120         | 2,400         | 2,500         | 2,600         | 2,800         | 2,900         | 3,000         |
| 5                                | Cost of veterinary aid (kids)   | Lumpsum | 20             | 1,494         | 3,300         | 1,800         | 3,700         | 2,000         | 4,100         | 2,200         |
| <b>Total</b>                     |   |         |                | <b>25,617</b> | <b>55,400</b> | <b>32,700</b> | <b>62,600</b> | <b>34,000</b> | <b>65,000</b> | <b>40,300</b> |

| 2. Details of salary and other benefits |                    |               |                            |                             |
|---|--------------------|---------------|----------------------------|-----------------------------|
| Sl. No.                                 | Type of workers    | No. of Worker | Salary Per Month/head (Rs) | Total Salary per annum (Rs) |
| 1                                       | Unskilled          | 1             | 5,000                      | 60,000                      |
|   | <b>Grand Total</b> | 1             | 5,000                      | <b>60,000</b>               |

## 4.3. Details of Sales

| Sl. No. | Type of products       | Unit | Rate/Unit (Rs) | 1             | 2                | 3               | 4               | 5               | 6               | 7               |
|---------|------------------------|------|----------------|---------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1       | Sale of young males    |      | 6000           | 47,621        | 5,50,100         | 2,10,100        | 4,41,100        | 2,31,600        | 4,86,300        | 2,55,300        |
| 2       | Sale of young females  |      | 5000           | 39,684        | 4,58,400         | 1,75,100        | 3,67,600        | 1,93,000        | 4,05,200        | 2,12,800        |
| 3       | Sale of gunny bags     |      | 5              | 3,500         | 3,700            | 3,900           | 4,100           | 4,300           | 4,500           | 4,700           |
| 4       | Sale of culled animals |      | 3000           | 7,950         | 16,600           | 17,400          | 18,300          | 19,200          | 20,200          | 21,200          |
|         | <b>Total</b>           |      |                | <b>98,756</b> | <b>10,28,800</b> | <b>4,06,500</b> | <b>8,31,100</b> | <b>4,48,100</b> | <b>9,16,200</b> | <b>4,94,000</b> |



#### 4.4. Project Balance Sheet

| <b>Liabilities</b>               | I                 | II               | III              | IV               | V                | VI               | VII              |
|----------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>Opening Capital</b>           | -                 | <b>1,27,454</b>  | <b>6,51,365</b>  | <b>6,31,554</b>  | <b>9,33,215</b>  | <b>9,08,857</b>  | <b>12,23,760</b> |
| Add: Introduced                  | 2,65,228          |                  |                  |                  |                  |                  |                  |
| Add: Profit                      | (1,71,773)        | 6,87,910         | 1,38,189         | 5,35,661         | 2,03,642         | 6,20,902         | 2,66,510         |
| Less: Drawing                    | (34,000)          | 1,64,000         | 1,58,000         | 2,34,000         | 2,28,000         | 3,06,000         | 2,99,000         |
| <b>Closing Capital</b>           | <b>1,27,454</b>   | <b>6,51,365</b>  | <b>6,31,554</b>  | <b>9,33,215</b>  | <b>9,08,857</b>  | <b>12,23,760</b> | <b>11,91,270</b> |
| Term Loan from Bank              | 6,99,578          | 6,12,435         | 5,15,208         | 4,06,730         | 2,85,699         | 1,50,663         | -                |
| <b>Current Liabilities</b>       |                   |                  |                  |                  |                  |                  |                  |
| Cash Credit from Bank            | 18,000            | 18,000           | 18,000           | 18,000           | 18,000           | 18,000           | 18,000           |
| Sundry Creditors                 | 1,281             | 2,770            | 1,635            | 3,130            | 1,700            | 3,250            | 2,015            |
| Expenses Payable                 | 8,400             | 8,900            | 9,300            | 9,800            | 10,300           | 10,800           | 11,400           |
| Current Provisions               | -                 | 62,603           | -                | 24,540           | -                | 45,851           | 869              |
| <b>Total Current Liabilities</b> | <b>27,681</b>     | <b>92,273</b>    | <b>28,935</b>    | <b>55,470</b>    | <b>30,000</b>    | <b>77,901</b>    | <b>32,284</b>    |
| <b>Total Liabilities</b>         | <b>8,54,713</b>   | <b>13,56,072</b> | <b>11,75,697</b> | <b>13,95,415</b> | <b>12,24,557</b> | <b>14,52,323</b> | <b>12,23,553</b> |
| <b>Assets</b>                    |                   |                  |                  |                  |                  |                  |                  |
| Fixed Assets                     | 10,36,910         | 10,36,910        | 10,36,910        | 10,36,910        | 10,36,910        | 10,36,910        | 10,36,910        |
| Less Depreciation                | 63,435            | 1,20,195         | 1,70,998         | 2,16,482         | 2,57,214         | 2,93,700         | 3,26,390         |
| <b>Net Fixed Assets</b>          | <b>9,73,475</b>   | <b>9,16,715</b>  | <b>8,65,912</b>  | <b>8,20,428</b>  | <b>7,79,696</b>  | <b>7,43,210</b>  | <b>7,10,520</b>  |
| <b>Current Assets</b>            |                   |                  |                  |                  |                  |                  |                  |
| Sundry Debtors                   | 3,300             | 34,300           | 13,600           | 27,800           | 15,000           | 30,600           | 16,500           |
| Inventories                      | 2,453             | 3,653            | 15,493           | 8,168            | 12,785           | 8,838            | 14,251           |
| Cash and Bank Balance            | 700               | 6,900            | 2,800            | 5,600            | 3,000            | 6,200            | 3,300            |
| Other Current Assets             | (1,25,215)        | 3,94,505         | 2,77,892         | 5,33,418         | 4,14,075         | 6,63,474         | 4,78,983         |
| <b>Total Current Assets</b>      | <b>(1,18,762)</b> | <b>4,39,357</b>  | <b>3,09,785</b>  | <b>5,74,987</b>  | <b>4,44,860</b>  | <b>7,09,113</b>  | <b>5,13,034</b>  |
| <b>Total Assets</b>              | <b>8,54,713</b>   | <b>13,56,072</b> | <b>11,75,697</b> | <b>13,95,415</b> | <b>12,24,557</b> | <b>14,52,323</b> | <b>12,23,553</b> |



#### 4.5. Calculation of Depreciation

| Rates of Depreciation |   | 10%    | 15%   | Total depreciation for the year |
|-----------------------|---|--------|-------|---------------------------------|
| Year                  | 1 | 56,816 | 6,619 | 63,435                          |
|                       | 2 | 51,134 | 5,626 | 56,760                          |
|                       | 3 | 46,021 | 4,782 | 50,803                          |
|                       | 4 | 41,419 | 4,065 | 45,484                          |
|                       | 5 | 37,277 | 3,455 | 40,732                          |
|                       | 6 | 33,549 | 2,937 | 36,486                          |
|                       | 7 | 30,194 | 2,496 | 32,691                          |

#### 4.6. Projected P&L

| Description   | Year ending March 31st |                  |                 |                 |                 |                 |                 |
|---|------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|   | I                      | II               | III             | IV              | V               | VI              | VII             |
| Capacity Utilisation                                | 100                    | 100              | 100             | 100             | 100             | 100             | 100             |
| <b>Revenue</b>                                      |                        |                  |                 |                 |                 |                 |                 |
| Sales   | 98,756                 | 10,28,800        | 4,06,500        | 8,31,100        | 4,48,100        | 9,16,200        | 4,94,000        |
| Opening Stock of Finished Goods                     | -                      | (1,353)          | (14,093)        | (5,568)         | (11,385)        | (6,138)         | (12,551)        |
| Closing Stock of Finished Goods                     | 1,353                  | 14,093           | 5,568           | 11,385          | 6,138           | 12,551          | 6,767           |
| <b>Total Income (A)</b>                             | <b>1,00,108</b>        | <b>10,41,540</b> | <b>3,97,975</b> | <b>8,36,916</b> | <b>4,42,853</b> | <b>9,22,612</b> | <b>4,88,216</b> |
| <b>Expenditure</b>                                  |                        |                  |                 |                 |                 |                 |                 |
| Opening stock of Raw Material                       | -                      | 1,100            | 2,300           | 1,400           | 2,600           | 1,400           | 2,700           |
| Purchase (Net) of Material                          | 25,617                 | 55,400           | 32,700          | 62,600          | 34,000          | 65,000          | 40,300          |
| Closing Stock of Raw material                       | 1,100                  | 2,300            | 1,400           | 2,600           | 1,400           | 2,700           | 1,700           |
| <b>Raw Material Consumption</b>                     | <b>24,517</b>          | <b>54,200</b>    | <b>33,600</b>   | <b>61,400</b>   | <b>35,200</b>   | <b>63,700</b>   | <b>41,300</b>   |
| Repair and Maintenance (@1% of Cost)                | -                      | -                | -               | -               | -               | -               | -               |
| Electricity expense                                 | 1,000                  | 1,100            | 1,200           | 1,300           | 1,500           | 1,700           | 2,000           |
| Insurance cost                                      | 39,625                 | 41,700           | 43,800          | 46,000          | 48,300          | 50,800          | 53,400          |
| Administrative salaries and wages                   | 60,000                 | 63,000           | 66,200          | 69,600          | 73,100          | 76,800          | 80,700          |
| Other Misc Expenses [@1% of sales]                  | -                      | -                | -               | -               | -               | -               | -               |
| <b>Total Cost</b>                                   | <b>1,25,142</b>        | <b>1,60,000</b>  | <b>1,44,800</b> | <b>1,78,300</b> | <b>1,58,100</b> | <b>1,93,000</b> | <b>1,77,400</b> |
| <b>Profit Before Depreciation, Interest and Tax</b> | <b>(25,033)</b>        | <b>8,81,540</b>  | <b>2,53,175</b> | <b>6,58,616</b> | <b>2,84,753</b> | <b>7,29,612</b> | <b>3,10,816</b> |



| Description                           | Year ending March 31st |                 |                 |                 |                 |                 |                 |
|---------------------------------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                                       | I                      | II              | III             | IV              | V               | VI              | VII             |
| Capacity Utilisation                  | 100                    | 100             | 100             | 100             | 100             | 100             | 100             |
| Depreciation                          | 63,435                 | 56,760          | 50,803          | 45,484          | 40,732          | 36,486          | 32,691          |
| <b>Profit Before Interest and Tax</b> | <b>(88,468)</b>        | <b>8,24,780</b> | <b>2,02,372</b> | <b>6,13,133</b> | <b>2,44,021</b> | <b>6,93,126</b> | <b>2,78,126</b> |
| Interest on Term Loan                 | 81,685                 | 72,647          | 62,563          | 51,312          | 38,759          | 24,753          | 9,127           |
| Interest on Working Capital Loan      | 1,620                  | 1,620           | 1,620           | 1,620           | 1,620           | 1,620           | 1,620           |
| <b>Total Interest Paid</b>            | <b>83,305</b>          | <b>74,267</b>   | <b>64,183</b>   | <b>52,932</b>   | <b>40,379</b>   | <b>26,373</b>   | <b>10,747</b>   |
| <b>Profit Before Tax</b>              | <b>(1,71,773)</b>      | <b>7,50,513</b> | <b>1,38,189</b> | <b>5,60,201</b> | <b>2,03,642</b> | <b>6,66,753</b> | <b>2,67,379</b> |
| Income Tax                            | -                      | 62,603          | -               | 24,540          | -               | 45,851          | 869             |
| <b>Profit after Tax</b>               | <b>(1,71,773)</b>      | <b>6,87,910</b> | <b>1,38,189</b> | <b>5,35,661</b> | <b>2,03,642</b> | <b>6,20,902</b> | <b>2,66,510</b> |

#### 4.7. Projected Cash Flow

| Period Ending                          | I                | II              | III             | IV              | V               | VI              | VII             |
|--|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cash & Bank Balance at Beginning       | -                | 700             | 6,900           | 2,800           | 5,600           | 3,000           | 6,200           |
| <b>Cash Inflow during the Period</b>   | <b>12,15,136</b> | <b>8,09,263</b> | <b>3,26,305</b> | <b>6,15,004</b> | <b>3,76,518</b> | <b>7,09,236</b> | <b>4,97,792</b> |
| <b>Cash Outflow during the Period</b>  | <b>12,14,436</b> | <b>8,03,063</b> | <b>3,30,405</b> | <b>6,12,204</b> | <b>3,79,118</b> | <b>7,06,036</b> | <b>5,00,692</b> |
| <b>Closing Cash &amp; Bank Balance</b> | <b>700</b>       | <b>6,900</b>    | <b>2,800</b>    | <b>5,600</b>    | <b>3,000</b>    | <b>6,200</b>    | <b>3,300</b>    |

#### 4.8. Calculation of DSCR, IRR and BEP

| Calculation of DSCR      |                 |                 |                 |                 |                 |                 |                 |
|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Year                     | I               | II              | III             | IV              | V               | VI              | VII             |
| Net Sales                | 98,756          | 10,28,800       | 4,06,500        | 8,31,100        | 4,48,100        | 9,16,200        | 4,94,000        |
| Net Profit               | (1,71,773)      | 6,87,910        | 1,38,189        | 5,35,661        | 2,03,642        | 6,20,902        | 2,66,510        |
| Interest Paid            | 83,305          | 74,267          | 64,183          | 52,932          | 40,379          | 26,373          | 10,747          |
| <b>Cash Accruals (a)</b> | <b>(88,468)</b> | <b>7,62,177</b> | <b>2,02,372</b> | <b>5,88,593</b> | <b>2,44,021</b> | <b>6,47,276</b> | <b>2,77,257</b> |
| Principal                | 78,105          | 87,143          | 97,227          | 1,08,478        | 1,21,031        | 1,35,036        | 1,50,663        |
| Interest                 | 83,305          | 74,267          | 64,183          | 52,932          | 40,379          | 26,373          | 10,747          |
| <b>Total (b)</b>         | <b>1,61,410</b> |
| DSCR                     | (0.55)          | 4.72            | 1.25            | 3.65            | 1.51            | 4.01            | 1.72            |
| <b>Average DSCR</b>      |                 |                 |                 | <b>2.33</b>     |                 |                 |                 |



#### Calculation of Internal Rate of Return (IRR)

| Sl. No.        | Year                      | PAT              | Depreciation | Cash Accrual |
|----------------|---------------------------|------------------|--------------|--------------|
|                | Cash outflow at beginning |                  |              | -10,60,910   |
| 1              | 31-03-2023                | -1,71,773        | 63,435       | -1,08,338    |
| 2              | 31-03-2024                | 6,87,910         | 56,760       | 7,44,671     |
| 3              | 31-03-2025                | 1,38,189         | 50,803       | 1,88,992     |
| 4              | 31-03-2026                | 5,35,661         | 45,484       | 5,81,144     |
| 5              | 31-03-2027                | 2,03,642         | 40,732       | 2,44,374     |
| 6              | 31-03-2028                | 6,20,902         | 36,486       | 6,57,388     |
| 7              | 31-03-2029                | 2,66,510         | 32,691       | 2,99,200     |
| IRR            |                           |                  | 24.35%       |              |
| Payback Period |                           | 3 Years 5 Months |              |              |

#### Calculation of Break-Even Point (BEP)

|                     |                 |                 |                 |                 |                 |                 |                 |
|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Sales               | 1,00,108        | 10,41,540       | 3,97,975        | 8,36,916        | 4,42,853        | 9,22,612        | 4,88,216        |
| Variable Cost       | 24,517          | 54,200          | 33,600          | 61,400          | 35,200          | 63,700          | 41,300          |
| <b>Contribution</b> | <b>75,592</b>   | <b>9,87,340</b> | <b>3,64,375</b> | <b>7,75,516</b> | <b>4,07,653</b> | <b>8,58,912</b> | <b>4,46,916</b> |
| Fixed Cost          | 2,47,365        | 2,36,827        | 2,26,186        | 2,15,315        | 2,04,011        | 1,92,159        | 1,79,538        |
| <b>BEP Sales</b>    | <b>3,27,593</b> | <b>2,49,828</b> | <b>2,47,043</b> | <b>2,32,363</b> | <b>2,21,627</b> | <b>2,06,411</b> | <b>1,96,129</b> |
| Average BEP sales   |                 |                 |                 | 2,40,142        |                 |                 |                 |



#### 4.9. Summary of Project Cost

| Sl. No. | Name of Assets           | Amount           |
|---------|--------------------------|------------------|
| 1       | Land Development Fencing | 30,000           |
| 2       | Civil Construction       | 4,68,160         |
| 3       | Irrigation/Water Supply  | 1,00,000         |
| 4       | Electrification          | 15,000           |
| 5       | Plant & Machinery        | 29,125           |
| 6       | Livestock                | 3,55,000         |
| 7       | Fodder Cultivation       | 7,000            |
| 8       | Insurance                | 26,625           |
| 9       | DPR Cost                 | 2,504            |
| 10      | Other miscellaneous exp. | 3,496            |
|         | <b>Total Fixed Cost</b>  | <b>10,36,910</b> |
|         | <b>Recurring</b>         | <b>24,000</b>    |
|         | <b>Cost of Project</b>   | <b>10,60,910</b> |