



Detailed Project Report ***on*** ***Commercial Dairy Farming – Bank Finance (8 Cows)***

Under MKUY

Name of the Entrepreneur/Entity:

Address:



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1. Project Summary

| | | |
|----|--|--------------------------------------|
| 1 | Name of the Enterprise (as per the Illustrative List of Enterprises) | Commercial Dairy Farming (8 Cows) |
| 2 | Sector (as per the Illustrative List of Enterprises) | AH&VS |
| 3 | Project Capacity ¹ | 48 lit. Milk per day |
| 4 | Key components of the project | Dairy farming and milk selling |
| 5 | Project Address (Village/Ward, Gram Pranchayat/Municipality, Block, District) | |
| 6 | Products/Output from the project | Milk |
| 7 | Total Project Cost | Rs. 13,07,700 |
| 8 | Fixed Capital Cost | Rs. 12,93,000 |
| 9 | Working/Recurring capital | Rs. 14,700 |
| 10 | Bank Finance/ Self Finance | Bank Loan |
| 11 | Bank Loan Amount | Rs. 6,56,790 |
| 12 | Promoter Contribution (min 10% in case of bank loan) | Rs. 6,50,910 |
| 13 | Assumed Rate of Interest | 11% |
| 14 | Subsidy Eligibility (40%, 50%) | |
| 15 | Repayment Terms (Tenure, Moratorium, Frequency, Mode of Repayment: equal principal/equal instalment) | Equal Monthly Instalment |
| 16 | Key Financial Indicators: | |
| | 1. Average Annual Net Profit | Rs. 3,54,682 |
| | 2. Debt Service Coverage Ratio (DSCR) | 2.96 |
| | 3. Internal Rate of Return | 20.16% |
| | 4. Break Even Point (BEP)/Year | 4 Year 0 Month |
| 17 | Estimated employment to be generated (nos.) | 2 |

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

¹ 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 (Individual/ Group/ FPO/ FPC/ Proprietorship/ Partnership firm/ Company/ Cooperative/ Federation/ Society/ Trust) | |
| 3 | Name of Representative ² 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 (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 ³ | |
| 20 | PAN/TAN of Entity | |
| 21 | GSTIN of Entity, if available | |
| 22 | Details of experience and exposure relevant to the proposed enterprise/project (family business, work experience, e- learning/certificate courses, trainings undertaken etc.) | |

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

³ 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

Dairy farming from being a traditional family run business, today has grown hugely to an organized dairy industry with technological specializations in every part of the process. There has been tremendous growth in dairy farming sector in terms of technological advancement that help the modern dairy farms to manage thousands of dairy cows and buffaloes.

The scope of dairy farming in Odisha is considerable due to the state's agrarian economy, growing population, and increasing demand for dairy products. Dairy farming has the potential to significantly contribute to rural livelihoods, nutritional security, and overall economic development in Odisha. Dairy farming involves the rearing of dairy animals, primarily cows and buffaloes, to produce milk and its by-products. India has a diverse and vibrant dairy sector that plays a crucial role in providing livelihoods to millions of rural households and contributing to the country's economy.

Scope of Dairy farming in Odisha

1. Rural Livelihood Generation

Dairy farming can play a vital role in generating livelihoods for rural households in Odisha. The state has a substantial rural population, and dairy farming offers an opportunity for small and marginal farmers to diversify their income sources and improve their economic conditions.

2. Nutritional Security

Dairy products are rich sources of essential nutrients like protein, calcium, and vitamins. Promoting dairy farming in Odisha can contribute to improving the nutritional intake of its residents, especially women and children.

3. Employment Opportunities

Dairy farming can create direct and indirect employment opportunities. From animal care and milking to transportation and milk processing, there are various stages of the dairy value chain that require a workforce.

4. Economic Contribution

The dairy sector can contribute to Odisha's economy by providing a steady income source for farmers, reducing rural-urban migration, and enhancing the overall GDP of the state.

5. Poverty Alleviation

Dairy farming has the potential to uplift marginalized communities by offering them a means of income generation. It can help in reducing poverty and improving the standard of living for many families.

6. Value Addition and Processing

Besides raw milk production, dairy farming also provides opportunities for value addition through milk processing. Value-added dairy products, such as flavored milk, yogurt, and



cheese, have a higher market value. Dairy farmers can capitalize on these opportunities by processing raw milk into various products.

7. Women Empowerment

Women in Odisha, like in many parts of India, are actively involved in dairy-related activities. Promoting dairy farming can empower women by offering them income-generating opportunities and increasing their decision-making roles.

8. Sustainable Agriculture

Dairy farming can be integrated into existing farming systems, contributing to sustainable agricultural practices. Manure from dairy animals can be used as organic fertilizer, enhancing soil health and crop yields.

Market Potential

Urbanization leads to changes in dietary habits, with an increased demand for processed and value-added dairy products. Urban areas provide a ready market for dairy products, including fresh milk, yogurt, cheese, and more. Dairy products are an essential source of nutrition, especially proteins and calcium. As awareness about health and nutrition increases, the demand for dairy products is likely to rise.

Export Potential: With proper quality control and adherence to international standards, dairy products from Odisha could have export potential, contributing to the state's economic growth.

Dairy Cooperatives and Organizations: Dairy cooperatives and organizations play a crucial role in organizing farmers, ensuring fair prices, and facilitating market linkages.

3. Techno-commercial Assumptions

| Sl. No. | Parameter | Value | Unit |
|---------|---|-------|-------|
| 1 | Increase in selling price of milk | 5 | % |
| 2 | Increase in price of electricity, medicine, veterinary aid and feed | 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) | 0 | Days |
| 13 | Promoter's Contribution (Term Loan) | 50 | % |
| 14 | Promoter's Contribution (Working Capital) | 30 | % |
| 15 | Working Capital Requirement | 15 | Days |
| 17 | Working Capital Utilisation | 100 | % |



| Sl. No. | Parameter | Value | Unit |
|---------|--|----------------------------|---------|
| 18 | Cost of land development (LS) | 20000 | Rs. |
| 19 | Cost of fencing (LS) | 40000 | Rs. |
| 20 | Cost of shed construction/sq. ft. | 450 | Rs. |
| 21 | Cost of office cum storeroom construction / sq. ft. (RCC structure) | 650 | Rs. |
| 22 | Borewell / Tube well with pump, pipeline, overhead tank and fitments | 110000 | Rs. |
| 23 | Cost per cow including transportation | 65000 | Rs. |
| 24 | Cost of culled animals/Culled animal | 10000 | Rs. |
| 25 | Cost of electrification (as % of civil cost) | 3 | % |
| 26 | Cost of equipment / Animal | 1000 | Rs. |
| 27 | Cost of Milking Machine, Chaff cutter & other Misc. | 40000 | Rs. |
| 28 | Cost of Concentrate feed per animal per day during lactation period | 135 | Rs |
| 29 | Cost of Concentrate feed per animal per day during dry period | 54 | Rs |
| 30 | Cost of medicine and veterinary aid/ animal/year | 2000 | Rs. |
| 31 | Quantity of conc. Feed/Bag in Kg | 50 | Kg |
| 32 | Cost of dry fodder per animal per day during lactation period | 25 | Rs |
| 33 | Cost of dry fodder per animal per day during dry period | 25 | Rs |
| 34 | Cost of green fodder/kg | Own grown | |
| 35 | Cost of fodder cultivation/ Acre | 12000 | Rs. |
| 36 | Fodder Cultivation | 1 | Acre |
| 37 | No of animals | 8 | No |
| 38 | No of animals/batch | 4 | No |
| 39 | Quantity of conc. Feed/Bag in Kg | 50 | Kg |
| 40 | Average milk yield (lit. /day) | 12 | Ltr |
| 41 | Floor space (sq. ft/adult animal) | 60 | Sq.Ft |
| 42 | Floor space (sq. ft/calf) | 20 | Sq.Ft |
| 43 | Office cum Storeroom | 200 | Sq.Ft |
| 44 | Insurance premium/annum | 7.50 | % |
| 45 | Selling price of milk | 36 | Rs./lit |
| 46 | Sale price of gunny Bag | 5 | Rs./bag |
| 47 | Sale price of Manure/Tonne | Used in fodder cultivation | |
| 48 | Lactation days for first batch | 300 | Days |
| 49 | Lactation days for second batch | 180 | Days |
| 50 | Dry days | 65 | Days |



| FEEDING SCHEDULE | | | | | |
|-------------------------|---------------|-----------|------------|----------|-----------|
| | | Lactation | | Dry | |
| Type of Feed | Rate/Kg (Rs.) | Quantity | Cost/day | Quantity | Cost/day |
| Conc. feed/animal/day | 27 | 5 | 135 | 2 | 54 |
| Green fodder/animal/day | 0 | 30 | Own grown | 20 | Own grown |
| Dry fodder/animal/day | 5 | 5 | 25 | 5 | 25 |
| Total | | | 160 | | 79 |

| LACTATION CHART/ANIMAL | | | | |
|------------------------|-----------------------|----------|-----------------------|----------|
| Year | 1 st Batch | | 2 nd Batch | |
| | Lactation Days | Dry Days | Lactation Days | Dry Days |
| 1 st Year | 300 | 65 | 180 | 0 |
| 2 nd Year | 300 | 65 | 300 | 65 |
| 3 rd Year | 300 | 65 | 300 | 65 |
| 4 th Year | 300 | 65 | 300 | 65 |
| 5 th Year | 300 | 65 | 300 | 65 |
| 6 th Year | 300 | 65 | 300 | 65 |
| 7 th Year | 300 | 65 | 300 | 65 |

| TOTAL CONCENTRATE FEED CONSUMED (Kgs) | | | | |
|---------------------------------------|-----------|------|-------|------------------|
| Year | Lactation | Dry | Total | No of gunny bags |
| 1 st Year | 9600 | 520 | 10120 | 202 |
| 2 nd Year | 12000 | 1040 | 13040 | 260.8 |
| 3 rd Year | 12000 | 1040 | 13040 | 260.8 |
| 4 th Year | 12000 | 1040 | 13040 | 260.8 |
| 5 th Year | 12000 | 1040 | 13040 | 260.8 |
| 6 th Year | 12000 | 1040 | 13040 | 260.8 |
| 7 th Year | 12000 | 1040 | 13040 | 260.8 |

1. Financial Details

4.1. Project Fixed Capital

| Sl. No. | Particulars | Unit | Qty. | Cost per unit (Rs) | Total (Rs) |
|----------|--|---------|------|--------------------|-----------------|
| A | Land | | | | |
| 1 | Land Development | LS | | | 20,000 |
| 2 | Fencing (Barbed wire/Green Fencing) | LS | | | 40,000 |
| | Sub Total | | | | 60,000 |
| B | Civil Construction | | | | |
| 1 | Animal Shed | Sq. ft. | 480 | 450 | 2,16,000 |
| 2 | Calf Shed | Sq. ft. | 160 | 450 | 72,000 |
| 3 | Store cum office room | Sq. ft. | 300 | 650 | 1,95,000 |
| | Sub Total | | | | 4,83,000 |
| C | Water Supply | | | | |
| 1 | Borewell / Tube well with pump, pipeline, overhead tank and fitments | | | | 1,10,000 |
| D | Electrification | | | | |
| 1 | Installation and Fitting (3% of civil cost) | LS | | | 15,000 |



| E Plant & Machinery | | | | | |
|------------------------------------|---|----------------------------|-------------|------------------------|-------------------|
| Sl. No. | Particulars | Unit/ Specification | Qty. | Unit Price (Rs) | Total (Rs) |
| 1 | Equipment (Feeder/Drinker etc.) | Nos | 8 | 1,000 | 8,000 |
| 2 | Cost of Milking Machine, Chaff cutter & other Misc. | Nos | 1 | 40,000 | 40,000 |
| | Total | | | | 48,000 |
| F Livestock | | | | | |
| 1 | Cow including transportation | Nos | 8 | 65,000 | 5,20,000 |
| | Total | | | | 5,20,000 |
| G Miscellaneous Expenditure | | | | | |
| 1 | Insurance premium | | | | 39,000 |
| 2 | Fodder cultivation | | | | 12,000 |
| 3 | DPR cost | | | | 3,086 |
| 4 | Other miscellaneous exp. | | | | 2,914 |
| | Total Miscellaneous Expenditure | | | | 57,000 |



4.2. Project Variable Expenses

| Details of Recurring Expenditure | | | | | | | | | | |
|----------------------------------|-------------------------------------|------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A | Details of raw material | | | | | | | | | |
| Sl. No. | Items | Unit | Rate (Rs) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Cost of feeding during lactation | Rs | 160 | 3,07,200 | 3,91,680 | 3,99,514 | 4,07,504 | 4,15,654 | 4,23,967 | 4,32,446 |
| 2 | Cost of feeding during dry period | Rs | 79 | 20,540 | 41902 | 42740 | 43594 | 44466 | 45356 | 46263 |
| 3 | Cost of medicine and veterinary aid | Rs. | 2000 | 16,000 | 16,320 | 16,646 | 16,979 | 17,319 | 17,665 | 18,019 |
| | Total | | | 3,43,740 | 4,49,902 | 4,58,900 | 4,68,078 | 4,77,439 | 4,86,988 | 4,96,728 |

| 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 | 2 | 7,000 | 1,68,000 |
| | Grand Total | 2 | 7,000 | 1,68,000 |

4.3. Details of Sales

| Sl. No. | Type of products | Unit | Rate/Unit (Rs) | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 | Y7 |
|---------|------------------------|------|----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1 | Sale of milk | Rs | 36 | 8,29,440 | 10,88,640 | 11,43,072 | 12,00,226 | 12,60,237 | 13,23,249 | 13,89,411 |
| 2 | Sale of gunny bags | Rs | 5 | 1,012 | 1,369 | 1,438 | 1,510 | 1,585 | 1,664 | 1,747 |
| 3 | Sale of culled animals | Rs | 10000 | - | - | - | - | - | 51,051 | - |
| | Total | | | 8,30,452 | 10,90,009 | 11,44,510 | 12,01,735 | 12,61,822 | 13,75,964 | 13,91,159 |



4.4. Project Balance Sheet

| Liabilities | I | II | III | IV | V | VI | VII |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Opening Capital | - | 7,40,537 | 7,06,050 | 7,09,514 | 7,45,803 | 8,06,113 | 9,16,279 |
| Add: Introduced | 6,50,910 | | | | | | |
| Add: Profit | 1,28,627 | 2,68,512 | 3,08,464 | 3,56,289 | 4,06,310 | 5,04,167 | 5,10,406 |
| Less: Drawing | 39,000 | 3,03,000 | 3,05,000 | 3,20,000 | 3,46,000 | 3,94,000 | 4,29,000 |
| Closing Capital | 7,40,537 | 7,06,050 | 7,09,514 | 7,45,803 | 8,06,113 | 9,16,279 | 9,97,686 |
| Term Loan from Bank | 5,81,570 | 5,09,127 | 4,28,301 | 3,38,121 | 2,37,506 | 1,25,248 | - |
| Current Liabilities | | | | | | | |
| Cash Credit from Bank | 10,290 | 10,290 | 10,290 | 10,290 | 10,290 | 10,290 | 10,290 |
| Sundry Creditors | 17,187 | 22,495 | 22,945 | 23,404 | 23,872 | 24,349 | 24,836 |
| Expenses Payable | 20,200 | 21,300 | 22,300 | 23,400 | 24,500 | 25,700 | 27,000 |
| Current Provisions | - | 974 | 3,077 | 5,594 | 8,227 | 16,667 | 18,227 |
| Total Current Liabilities | 47,677 | 55,059 | 58,612 | 62,688 | 66,889 | 77,006 | 80,353 |
| Total Liabilities | 13,69,785 | 12,70,236 | 11,96,426 | 11,46,612 | 11,10,508 | 11,18,534 | 10,78,039 |
| Assets | | | | | | | |
| Fixed Assets | 12,93,000 | 12,93,000 | 12,93,000 | 12,93,000 | 12,93,000 | 12,93,000 | 12,93,000 |
| Less Depreciation | 68,750 | 1,30,153 | 1,85,013 | 2,34,046 | 2,77,886 | 3,17,095 | 3,52,174 |
| Net Fixed Assets | 12,24,250 | 11,62,848 | 11,07,987 | 10,58,954 | 10,15,114 | 9,75,905 | 9,40,826 |
| Current Assets | | | | | | | |
| Sundry Debtors | 27,700 | 36,400 | 38,200 | 40,100 | 42,100 | 45,900 | 46,400 |
| Inventories | 21,100 | 27,600 | 28,100 | 28,700 | 29,300 | 29,900 | 30,500 |
| Cash and Bank Balance | 5,600 | 7,300 | 7,700 | 8,100 | 8,500 | 9,200 | 9,300 |
| Other Current Assets | 91,135 | 36,088 | 14,440 | 10,758 | 15,494 | 57,629 | 51,012 |
| Total Current Assets | 1,45,535 | 1,07,388 | 88,440 | 87,658 | 95,394 | 1,42,629 | 1,37,212 |
| Total Assets | 13,69,785 | 12,70,236 | 11,96,426 | 11,46,612 | 11,10,508 | 11,18,534 | 10,78,039 |



4.5. Calculation of Depreciation

| Rates of Depreciation | | 10% | 15% | Total depreciation for the year |
|-----------------------|---|--------|-------|---------------------------------|
| Year | 1 | 59,300 | 9,450 | 68,750 |
| | 2 | 53,370 | 8,033 | 61,403 |
| | 3 | 48,033 | 6,828 | 54,861 |
| | 4 | 43,230 | 5,803 | 49,033 |
| | 5 | 38,907 | 4,933 | 43,840 |
| | 6 | 35,016 | 4,193 | 39,209 |
| | 7 | 31,514 | 3,564 | 35,079 |

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 |
| Revenue | | | | | | | |
| Sales | 8,30,452 | 10,90,009 | 11,44,510 | 12,01,735 | 12,61,822 | 13,75,964 | 13,91,159 |
| Opening Stock of Finished Goods | - | - | - | - | - | - | - |
| Closing Stock of Finished Goods | - | - | - | - | - | - | - |
| Total Income (A) | 8,30,452 | 10,90,009 | 11,44,510 | 12,01,735 | 12,61,822 | 13,75,964 | 13,91,159 |
| Expenditure | | | | | | | |
| Opening stock of Raw Material | - | 21,100 | 27,600 | 28,100 | 28,700 | 29,300 | 29,900 |
| Purchase (Net) of Material | 3,43,740 | 4,49,902 | 4,58,900 | 4,68,078 | 4,77,439 | 4,86,988 | 4,96,728 |
| Closing Stock of Raw material | 21,100 | 27,600 | 28,100 | 28,700 | 29,300 | 29,900 | 30,500 |
| Raw Material Consumption | 3,22,640 | 4,43,402 | 4,58,400 | 4,67,478 | 4,76,839 | 4,86,388 | 4,96,128 |
| Repair and Maintenance (@1% of Cost) | 4,050 | 4,050 | 4,050 | 4,050 | 4,050 | 4,050 | 4,050 |
| Electricity expense | 8,400 | 8,600 | 8,800 | 9,000 | 9,200 | 9,400 | 9,600 |
| Insurance cost | 57,000 | 59,900 | 62,900 | 66,100 | 69,500 | 73,000 | 76,700 |
| Administrative salaries and wages | 1,68,000 | 1,76,400 | 1,85,300 | 1,94,600 | 2,04,400 | 2,14,700 | 2,25,500 |
| Other Misc. Expenses [@1% of sales] | 4,152 | 5,450 | 5,723 | 6,009 | 6,309 | 6,880 | 6,956 |
| Total Cost | 5,64,242 | 6,97,802 | 7,25,172 | 7,47,236 | 7,70,298 | 7,94,418 | 8,18,934 |
| Profit Before Depreciation, Interest and Tax | 2,66,210 | 3,92,208 | 4,19,337 | 4,54,499 | 4,91,524 | 5,81,546 | 5,72,225 |



| Description | Year ending March 31st | | | | | | |
|---------------------------------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | I | II | III | IV | V | VI | VII |
| Capacity Utilisation | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Depreciation | 68,750 | 61,403 | 54,861 | 49,033 | 43,840 | 39,209 | 35,079 |
| Profit Before Interest and Tax | 1,97,460 | 3,30,805 | 3,64,477 | 4,05,466 | 4,47,684 | 5,42,337 | 5,37,147 |
| Interest on Term Loan | 67,906 | 60,393 | 52,010 | 42,656 | 32,221 | 20,578 | 7,588 |
| Interest on Working Capital Loan | 926 | 926 | 926 | 926 | 926 | 926 | 926 |
| Total Interest Paid | 68,832 | 61,319 | 52,936 | 43,582 | 33,147 | 21,504 | 8,514 |
| Profit Before Tax | 1,28,627 | 2,69,486 | 3,11,541 | 3,61,883 | 4,14,537 | 5,20,833 | 5,28,633 |
| Income Tax | - | 974 | 3,077 | 5,594 | 8,227 | 16,667 | 18,227 |
| Profit after Tax | 1,28,627 | 2,68,512 | 3,08,464 | 3,56,289 | 4,06,310 | 5,04,167 | 5,10,406 |

4.7. Projected Cash Flow

| Period Ending | I | II | III | IV | V | VI | VII |
|--|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cash & Bank Balance at Beginning | - | 5,600 | 7,300 | 7,700 | 8,100 | 8,500 | 9,200 |
| Cash Inflow during the Period | 14,38,535 | 3,92,343 | 3,88,526 | 4,13,079 | 4,54,350 | 5,53,493 | 5,55,448 |
| Cash Outflow during the Period | 14,32,935 | 3,90,643 | 3,88,126 | 4,12,679 | 4,53,950 | 5,52,793 | 5,55,348 |
| Closing Cash & Bank Balance | 5,600 | 7,300 | 7,700 | 8,100 | 8,500 | 9,200 | 9,300 |

4.8. Projected Loan Repayment

| Year | Interest | EMI | Principal |
|--------------|-----------------|-----------------|-----------------|
| 1 | 67,906 | 1,32,836 | 64,930 |
| 2 | 60,393 | 1,32,836 | 72,443 |
| 3 | 52,010 | 1,32,836 | 80,826 |
| 4 | 42,656 | 1,32,836 | 90,179 |
| 5 | 32,221 | 1,32,836 | 1,00,615 |
| 6 | 20,578 | 1,32,836 | 1,12,258 |
| 7 | 7,588 | 1,32,836 | 1,25,248 |
| Total | 2,83,351 | 9,29,851 | 6,46,500 |



4.9. Calculation of DSCR, IRR and BEP

| Calculation of DSCR | | | | | | | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Year | I | II | III | IV | V | VI | VII |
| Net Sales | 8,30,452 | 10,90,009 | 11,44,510 | 12,01,735 | 12,61,822 | 13,75,964 | 13,91,159 |
| Net Profit | 1,28,627 | 2,68,512 | 3,08,464 | 3,56,289 | 4,06,310 | 5,04,167 | 5,10,406 |
| Interest Paid | 68,832 | 61,319 | 52,936 | 43,582 | 33,147 | 21,504 | 8,514 |
| Cash Accruals (a) | 1,97,460 | 3,29,831 | 3,61,400 | 3,99,872 | 4,39,457 | 5,25,671 | 5,18,920 |
| Principal | 64,930 | 72,443 | 80,826 | 90,179 | 1,00,615 | 1,12,258 | 1,25,248 |
| Interest | 68,832 | 61,319 | 52,936 | 43,582 | 33,147 | 21,504 | 8,514 |
| Total (b) | 1,33,762 | 1,33,762 | 1,33,762 | 1,33,762 | 1,33,762 | 1,33,762 | 1,33,762 |
| DSCR | 1.48 | 2.47 | 2.70 | 2.99 | 3.29 | 3.93 | 3.88 |
| Average DSCR | 2.96 | | | | | | |

| Calculation of Internal Rate of Return (IRR) | | | | |
|--|---------------------------|-------------------------|--------------|--------------|
| Sl. No. | Year | PAT | Depreciation | Cash Accrual |
| | Cash outflow at beginning | | | -13,07,700 |
| 1 | 31-03-2023 | 1,28,627 | 68,750 | 1,97,377 |
| 2 | 31-03-2024 | 2,68,512 | 61,403 | 3,29,915 |
| 3 | 31-03-2025 | 3,08,464 | 54,861 | 3,63,325 |
| 4 | 31-03-2026 | 3,56,289 | 49,033 | 4,05,322 |
| 5 | 31-03-2027 | 4,06,310 | 43,840 | 4,50,150 |
| 6 | 31-03-2028 | 5,04,167 | 39,209 | 5,43,376 |
| 7 | 31-03-2029 | 5,10,406 | 35,079 | 5,45,485 |
| IRR | | 20.16% | | |
| Payback Period | | 4 Years 0 Months | | |

| Calculation of Break-Even Point (BEP) | | | | | | | |
|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Sales | 8,30,452 | 10,90,009 | 11,44,510 | 12,01,735 | 12,61,822 | 13,75,964 | 13,91,159 |
| Variable Cost | 3,26,792 | 4,48,852 | 4,64,122 | 4,73,486 | 4,83,148 | 4,93,268 | 5,03,084 |
| Contribution | 5,03,660 | 6,41,158 | 6,80,387 | 7,28,249 | 7,78,674 | 8,82,696 | 8,88,075 |
| Fixed Cost | 3,75,032 | 3,71,671 | 3,68,846 | 3,66,366 | 3,64,137 | 3,61,863 | 3,59,442 |
| BEP Sales | 6,18,366 | 6,31,865 | 6,20,452 | 6,04,566 | 5,90,075 | 5,64,079 | 5,63,062 |
| Average BEP sales | 5,98,924 | | | | | | |



4.10. Summary of Project Cost

| Sl. No. | Name of Assets | Amount |
|---------|------------------------------|------------------|
| 1 | Land Development and Fencing | 60,000 |
| 2 | Civil Construction | 4,83,000 |
| 3 | Irrigation/Water Supply | 1,10,000 |
| 4 | Electrification | 15,000 |
| 5 | Plant & Machinery | 48,000 |
| 6 | Livestock | 5,20,000 |
| 7 | Fodder Cultivation | 12,000 |
| 8 | Insurance | 39,000 |
| 9 | DPR Cost | 3,087 |
| 10 | Other miscellaneous exp. | 2,913 |
| | Total Fixed Cost | 12,93,000 |
| | Recurring | 14,700 |
| | Cost of Project | 13,07,700 |