

## **PROJECT FOR KEEPING 30000 LAYER**

### **Salient Features :-**

- (i) The project report envisages 30000 commercial layer birds to be reared each year.
- (ii) One brooding batch of 7500 chicks will be reared in Brooder House for 8 weeks.
- (iii) One growing batch of 7500 chicks will be reared in grower house for 12 weeks.
- (iv) Four laying batches of 7500 birds i.e. 30000 birds in total will be reared in layer house for 52 weeks.
- (v) The cost of day old chicks to be purchased & feed has been kept constant for ease in calculation.
- (vi) The average egg production is considered to be 306 per bird per year.
- (vii) The average sale price of one egg is assumed Rs. 3.10
- (viii) Birds after 72 weeks of age will be sold @ Rs. 70/- birds for table purpose.
- (ix) The growing and laying phase mortality is 2 & 3 percent respectively.
- (x) 15% extra chicks will be supplied by suppliers.
- (xi) The brooding, growing phase feed consumption is 0.375 kg and phase feed consumption in laying 0.75 kg per bird per week respectively.
- (xii) Constructed area for brooder house is taken @ 0.50 sqft. per chick. For grower house 0.60 sqft. Per chick and 0.80 sqft per bird for layer shed.
- (xiii) The cost of chick, grower and layer feed is kept Rs. 2000, Rs. 1440 & Rs 1600 per quintal respectively.
- (xiv) The term loan from bank will be repayed in seven equal installments starting from next year.
- (xv) The sale price of empty Gunnybag (bag in which poultry feed is kept) is taken Rs. 20/- each.
- (xvi) The cost of medicine, vaccine, labour, electricity has been combinedly taken under 10% cost of feed consumed during that year.

## PROJECT SUMMARY

The salient features of the project are as:-

- |       |                          |                |
|-------|--------------------------|----------------|
| (i)   | Total cost of project is | Rs. 180.00 lac |
| (ii)  | Bank Loan (70%)          | Rs. 126.00 lac |
| (iii) | Margin Money (30%)       | Rs. 54.00 lac  |

|          | Particulars  | Rate             | Rs In lac     |
|----------|--|------------------|---------------|
|          | Land   | 3 Acres          | self          |
|          | Building   |                  |               |
| B.1      | Land Development   | -                | 0.60          |
| B.2      | Fencing  |                  | 1.60          |
| B.3      | Brooder shed 3750 sqft   | 190/-            | 7.125         |
| B.4      | Grower shed 4500 sqft  | 190/-            | 8.55          |
| B.5      | Layer shed 4x6000=24000 sqft   | 190/-            | 45.60         |
| B.6      | 3000 sqft  | 190/-            | 5.70          |
| B.7      | Feed Miscellaneous<br>Generator and Equipments                         |                  | 1.125         |
|          |  | <b>Total</b>     | <b>71.25</b>  |
|          | <b>Equipments</b>  |                  |               |
| C.1      | Brooding equipments for 7500 chicks                                    | 50/-             | 3.75          |
| C.2      | Growing equipments for 7500 chicks                                     | 70/-             | 5.25          |
| C.3      | Cages for 30000 layers   | 100/-            | 30.00         |
| C.4      | Automation   |                  | 1.50          |
| C.5      | Water and Electric   |                  | 3.75          |
| C.6      | Feed Mill  |                  | 6.00          |
| C.7      | Weighting Balance  |                  | 0.75          |
| C.8      | Generator  |                  | 6.75          |
|          |  | <b>Total</b>     | <b>58.50</b>  |
|          | <b>Working Capital</b>   |                  |               |
| D.1      | Cost of four flocks of 7500 each (4% extra)                            | 27.00            | 8.10          |
| D.2      | Cost of feed for 30000 chicks upto 20 weeks<br>(non productive period) |                  | 37.35         |
| D.3      | Farm overheads (Medicine, Vaccine, Lab etc.)                           |                  | 4.20          |
| D.4      | Insurance for 4 flocks (30000 birds)                                   | @ Rs 2/bird      | 0.60          |
|          |  | <b>Total</b>     | <b>50.25</b>  |
| <b>E</b> | <b>Cost of the Project</b>   |                  |               |
| a        | <b>Land</b>  |                  | -             |
| b        | <b>Building</b>  |                  | 71.25         |
| c        | <b>Equipment &amp; machinery</b>                                       |                  | 58.50         |
| d        | <b>Working capital</b>   |                  | 50.25         |
|          |  | <b>Total (E)</b> | <b>180.00</b> |
|          | Term loan from bank  | 70%              | 126.00        |
|          | Margin money   | 30%              | 54.00         |

## A. INCOME

### 1. Sale of eggs and culls

| Year | Batch size | No of Batch | Total layer weeks (no) | Prod./bird /year (nos) | Total egg prod (no in lac) | Egg price Rs/ egg | (A) Total sale value Rs in lac | Total culled birds (nos) | (B) From sale of culled birds @ Rs. 70/- birds | (C) From Sale of Gunny Bags and Manure | Total (A+B+C) Income (Rs. in lac) |
|------|------------|-------------|------------------------|------------------------|----------------------------|-------------------|--------------------------------|--------------------------|--|--|-----------------------------------|
| I    | 7500       | 5           | 60                     | 306                    | 26.55                      | 3.10              | 82.29                          | -                        | -  | 2.58                                   | 87.54                             |
| II   | 7500       | 4           | 216                    | 306                    | 95.98                      | 3.10              | 296.28                         | 20750                    | 14.50  | 6.86                                   | 317.60                            |
| III  | 7500       | 5           | 228                    | 306                    | 100.89                     | 3.10              | 312.75                         | 34900                    | 24.00  | 7.00                                   | 350.00                            |
| IV   | 7500       | 4           | 224                    | 306                    | 99.00                      | 3.10              | 306.10                         | 27600                    | 19.00  | 7.00                                   | 333.60                            |
| V    | 7500       | 4           | 224                    | 306                    | 99.00                      | 3.10              | 306.10                         | 27600                    | 19.00  | 7.00                                   | 333.60                            |

### 2. Income from Sale of Gunny Bags and Manure

| Year | Batch size | Total feed cons. in tones | Total Bags (No) | Price per Bag | Gunny Bag Income Rs. in lac | Manure income Rs. | Total income Rs in Lac (C) |
|------|------------|---------------------------|-----------------|---------------|-----------------------------|-------------------|----------------------------|
| I    | 30000      | 546                       | 7800            | 20            | 1.58                        | 1.00              | 2.58                       |
| II   | 30000      | 1380                      | 19320           | 20            | 3.86                        | 3.00              | 6.86                       |
| III  | 30000      | 1448                      | 20202           | 20            | 4.00                        | 3.00              | 7.00                       |
| IV   | 30000      | 1425                      | 19950           | 20            | 4.00                        | 3.00              | 7.00                       |
| V    | 30000      | 1425                      | 19950           | 20            | 4.00                        | 3.00              | 7.00                       |

## B. EXPENDITURE

### 1. Brooding Phase

| Year | Batch size | Brooding weeks | Total feed kgs | Feed cost Rs/Kg | Total Feed cost (Rs in lac) | Medicine Rs 8/ bird (Rs. in lac) | Total Cost (feed+med) (Rs. in lac) |
|------|------------|----------------|----------------|-----------------|-----------------------------|----------------------------------|------------------------------------|
| I    | 30000      | 8              | 90000          | 20.00           | 18.00                       | 2.40                             | 20.40                              |
| II   | 30000      | 8              | 90000          | 20.00           | 18.00                       | 2.40                             | 20.40                              |
| III  | 30000      | 8              | 90000          | 20.00           | 18.00                       | 2.40                             | 20.40                              |
| IV   | 30000      | 8              | 90000          | 20.00           | 18.00                       | 2.40                             | 20.40                              |
| V    | 30000      | 8              | 90000          | 20.00           | 18.00                       | 2.40                             | 20.40                              |

## 2. Growing Phase

| Year | No of Birds | Growing weeks (No) | Feed kg wks/bird | Total feed tones | Feed Cost Rs/kg | Total feed Cost (Rs in lac) | Medicine @Rs 12/- per bird (Rs. In lac) | Total cost (feed+medicine) Rs |
|------|-------------|--------------------|------------------|------------------|-----------------|-----------------------------|---|-------------------------------|
| I    | 30000       | 12                 | 0.375            | 135              | 14.40           | 19.44                       | 3.60                                    | 23.04                         |
| II   | 30000       | 12                 | 0.375            | 135              | 14.40           | 19.44                       | 3.60                                    | 23.04                         |
| III  | 30000       | 12                 | 0.375            | 135              | 14.40           | 19.44                       | 3.60                                    | 23.04                         |
| IV   | 30000       | 12                 | 0.375            | 135              | 14.40           | 19.44                       | 3.60                                    | 23.04                         |
| V    | 30000       | 12                 | 0.375            | 135              | 14.40           | 19.44                       | 3.60                                    | 23.04                         |

## 3. Laying Phase

| Year | No of Birds Avg. per batch | Laying weeks | Feed kg wk/bird | Total feed tones | Feed Cost Rs/kg | Total Feed Cost (Rs in lac) | medicine cost (Rs. in lac) | Total medi.+ feed cost (Rs in lac) | Total 1+2+3 (Rs in lac) |
|------|----------------------------|--------------|-----------------|------------------|-----------------|-----------------------------|----------------------------|------------------------------------|-------------------------|
| I    | 7125                       | 60           | 0.75            | 3.20             | 16.00           | 51.20                       | 1.50                       | 52.70                              | 96.14                   |
| II   | 7125                       | 216          | 0.75            | 11.54            | 16.00           | 184.64                      | 3.00                       | 187.64                             | 238.08                  |
| III  | 7125                       | 228          | 0.75            | 12.18            | 16.00           | 194.88                      | 3.00                       | 197.88                             | 248.32                  |
| IV   | 7125                       | 224          | 0.75            | 11.97            | 16.00           | 191.52                      | 3.00                       | 194.52                             | 244.96                  |
| V    | 7125                       | 224          | 0.75            | 11.97            | 16.00           | 191.52                      | 3.00                       | 194.52                             | 244.96                  |

## 4- Chick Purchase Cost

| Year | Batch Size | Total batches | Total Chicks | Total cost Rs |
|------|------------|---------------|--------------|---------------|
| I    | 7500       | 5             | 37500        | 1012500       |
| II   | 7500       | 4             | 30000        | 810000        |
| III  | 7500       | 5             | 37500        | 1012500       |
| IV   | 7500       | 4             | 30000        | 810000        |
| V    | 7500       | 4             | 30000        | 810000        |

**5- Salaries Wages and Other**

| SNo. | Description       | No | Salary Per Month | Yearly        | Year-II        | Year-III       | Year-IV        | Year-V         |
|------|-------------------|----|------------------|---------------|----------------|----------------|----------------|----------------|
| 1.   | Skilled Labour    | 8  | 5000             | 240000        | 480000         | 480000         | 480000         | 480000         |
| 2.   | Poultry Attendant | 24 | 3250             | 512000        | 876000         | 876000         | 876000         | 876000         |
| 3.   | Miscellaneous     | -  | -                | 48000         | 48000          | 48000          | 48000          | 48000          |
|      | <b>Total</b>      |    |                  | <b>800000</b> | <b>1400000</b> | <b>1400000</b> | <b>1400000</b> | <b>1400000</b> |

**6- Annual Income and Expenditure**

**(Rs. In lac)**

| Income  | Year         |               |               |               |               |               |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
|   | I            | II            | III           | IV            | V             | VI            |
| From sale of eggs, culled birds, manure, bags | 87.54        | 317.61        | 349.80        | 336.60        | 333.60        | 333.60        |
| Expenditure                                   |              |               |               |               |               |               |
| Cost of chicks                                | 2.0          | 8.10          | 10.125        | 8.10          | 8.10          | 8.10          |
| Cost of Feed, Medicine, Vaccine etc           | 51.20        | 238.08        | 248.32        | 244.96        | 244.96        | 244.96        |
| Insurance                                     | -            | 0.60          | 0.75          | 0.60          | 0.60          | 0.60          |
| Salary and vages etc                          | 3.80         | 14.00         | 14.00         | 14.00         | 14.00         | 14.00         |
| <b>Total</b>                                  | <b>57.00</b> | <b>260.78</b> | <b>273.22</b> | <b>267.66</b> | <b>267.66</b> | <b>267.66</b> |
| <b>Gross Profit</b>                           | <b>30.54</b> | <b>56.83</b>  | <b>76.58</b>  | <b>68.94</b>  | <b>68.94</b>  | <b>68.94</b>  |
| <b>Less Bank Interest</b>                     | <b>12.60</b> | <b>10.08</b>  | <b>7.58</b>   | <b>5.04</b>   | <b>2.52</b>   | <b>-</b>      |
| <b>Bank Principle</b>                         | <b>-</b>     | <b>25.20</b>  | <b>25.20</b>  | <b>25.20</b>  | <b>25.20</b>  | <b>25.20</b>  |
| <b>Net Saving</b>                             | <b>17.94</b> | <b>21.55</b>  | <b>43.80</b>  | <b>38.70</b>  | <b>41.22</b>  | <b>43.74</b>  |