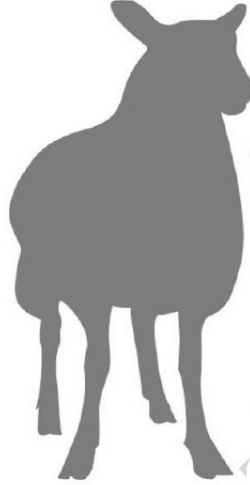


Detailed Project Report
on **500 + 25 Sheep Breeding Unit**



Applicant

S/o

for financial assistance under **National Livestock Mission**

for establishment of Entrepreneur

for breed development in small ruminant sector

(Sheep and Goat farming)

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- Sheep & Goat farming is an age old profession practiced all over India.
- Sheep & Goats are reared majorly for **meat purpose** only.
- Sheep & Goats are **second major meat sources** for Indians.
- They contribute 22.7 % share to total meat production of India. (2020)
- **Present status :**
 - ✓ Sheep & Goat farming is an important livelihood activity of a large percentage of small and marginal farmers and landless labourers. But, it has community profession existence
 - ✓ As per **20th livestock census** (2019) India has 75 million sheep & 149 million Goats. Still, there is lot of **gap between demand and supply** which is clearly indicated by the **increasing meat prices** year by year without any fluctuation.
- **Future prospective :** The present gap between demand and supplies will increase further because of increasing Non-Vegetarian's percentage in India. Because of religious and legal restrictions, there is **no alternate meat source also** for Indians other than Chicken & meat from Sheep and goats
- **Purpose :** Considering the future prospective and strengths of the sector ie Increasing demand for meat, Non availability of alternate meat source & Local marketing, the applicant wants to utilise the opportunity and to establish as an entrepreneur by utilising the encouragement offered in the shape of subsidies by Govt.of India under **National Livestock Mission**.
- **Outcome :**
 1. Self-employment
 2. Employment generation for labour
 3. Breed conservation
 4. Mutton production
- **Experience:** Applicant and his elder family members are well educated and experienced in Agriculture and allied sectors particularly in sheep & Goat farming.
- **Breed :** Nellore @ **Recognised Meat breed** will be reared
- **Farming system :** It is proposed to rear Sheep/Goats under **Zerograzing** where in the productivity can be to its full genetic potential of breed as the feeding will be **balanced**.
- **Income from farming :**
 - ✓ Sale of lambs born out of breeding unit for meat purpose is major/Primary income source
 - ✓ Sheep provides manure also which is considered as minor /secondary income source
- **Veterinary services :**
 - ✓ Wide network of Veterinary Hospital services are available in the state and also in and around farming area.
 - ✓ Vaccines which are produced by V&AH Dept., are supplied on free cost which helps new entrepreneurs in preventing infectious diseases also.
- **Farming area :** The area where farming is proposed is well suited for farming. It is well connected with road.Have plenty of drinking and irrigation water availability with 24 X 7 Power supply
 - ✓ Required number of skilled labour also available
 - ✓ Local marketing facility for sale of lambs/Kids is available

Advantages of farming : It is the only livestock sector with

1. no marketing problem
2. Increasing sale prices with no fluctuation
3. no MSP is demanded so far



Detailed Project Report on **Sheep** Breeding Unit

Technical Parameters

| Sl.no | Parameter | Details | | | | |
|--------------|---|---|----------------------------------|---------------------------|--------------|----------------|
| 1 | Species | Sheep | | | | |
| 2 | Breed | Nellore (Recognised breed) | | | | |
| 3 | Unit type | Breeding Unit | | | | |
| 4 | Purpose | Meat production & Breed conservation | | | | |
| 5 | Unit size | 500 | Plus | 25 | Total 525 | |
| 6 | Male | 25 | | | | |
| 7 | Female | 500 | | | | |
| 8 | Age of procurement | Male | 18-24 months age (2-4 teethed) | | | |
| | | Female | 12-18 months age (2 teethed) | | | |
| 9 | Type of farming | Zero grazing (Stall feeding) | | | | |
| 10 | Type of housing | Pucca & Ground level | | | | |
| 11 | Feeding system | TMR system | | | | |
| 12 | Land details A-G | Status of land available | Own | Survey No | | |
| 13 | Feed & fodder | Fodder | Own cultivation | | No of A-C | 6.00 |
| | | Conc.feed | Farm made concentrate feed | | | |
| 14 | Floor space required in Sft & Shed size | Sft/Animal | Type of animal | No of animals | | |
| | | 10 | Female | 500 | 5000 | Sft |
| | | 20 | Males | 25 | 500 | Sft |
| | | 6 | Lambs | 500 | 3000 | Sft |
| | | Sick shed @ 10% of female shed area | | | | 500 |
| Total | | | | 9000 | Sft | |
| 15 | Open paddock Double the area of shaded area (min) | | | | 18000 | Sft |
| 16 | Other structures | Farm labour/Owner Room | No of labour Rooms | Area per each labour room | 750 | Sft |
| | | Chaffcutter room | | | 200 | Sft |
| | | Silage baler room | | | 0 | Sft |
| | | Store Room | | | 500 | Sft |
| | | Delivery room | | | 750 | Sft |
| | | Quarantine | | | 500 | Sft |
| | | Feed store | | | 750 | Sft |
| 17 | Total Land required for Sheds + Open paddock + Other structures (Sft) | | | | 30450 | Sft |
| | | | | | 3383 | S.yards |
| | | | | | 28 | Gunta |
| 18 | Labour required Pair | 5 | | | | |
| 19 | Vety services | from local Veterinary Hospital as and when required | | | | |
| 20 | Unit gestation period | 12 months | | | | |

| | | |
|----|---|--------------------------------------|
| 21 | All females conceived within first one month after arriving in farm & few may be already carrying early pregnancy at procurement time | |
| 22 | Pregnancy period | 5 months |
| 23 | first lambing month at farm | 6 th month |
| 24 | Breeding cycle length | 8 months |
| 25 | Lambs born per lambing from each ewe | 1 |
| 26 | Male : female ratio of new born | equal @ 1 : 1 |
| 27 | Replacement of adult male | Once in 24-30 months |
| | | Purchased from out side |
| 28 | Replacement of culled females | Made with farm born ewe lambs |
| 29 | Birth weight of lambs | 8% of mothers weight |
| 30 | first sale month after start of farm | 12 th month |
| 31 | No of employees proposed | 5 Pair |



Variable Economical parameters

| | | | |
|----|---|---------|-------|
| 1 | Body weight of females (Approx) | Kgs | 30 |
| 2 | Purchase cost of females | Rs /Kg | 325 |
| 3 | Body weight of Males (Approx) | Kgs | 40 |
| 4 | Purchase cost of Males | Rs /Kg | 450 |
| 5 | Cost of construction of Sheds | Rs/Sft | 375 |
| 6 | Cost of construction of other civil works | Rs/Sft | 200 |
| 7 | Cost of feeder | Rs/One | 2500 |
| 8 | Cost of Waterers | Rs/One | 750 |
| 9 | Chaff cutter cum Pulveriser | Rs | 75000 |
| 10 | Electric Shearer | Rs | 10000 |
| | Silage baler | Rs | 0 |
| 12 | Misc | Rs | 100 |
| 13 | Labour cost | Rs/Pair | 15000 |
| 14 | Transport Cost per animal | Rs | 150 |
| 15 | Insurance cost per animal / Year | | 4% |
| 16 | Mortality in lambs from birth to sale | | 4% |
| 17 | Mortality in adults per breeding cycle | | 4% |
| 18 | Culling of adult females per breeding cycle | | 5% |
| 19 | Weight of culled females | | 35 |
| 20 | Weight of replaced males | | 45 |
| 21 | Sale price of Lambs Rs/Kg | | 375 |
| 22 | Sale price of replaced males | | 350 |
| 23 | Sale price of culled females | | 300 |
| 24 | No of males replaced each time | | 25 |

| | | | |
|----|---|--|-----|
| 25 | Manure production / Animal / Day in Kgs | | 0.6 |
| | Sale price of manure Rs/Per Kg | | 2 |

| | | | |
|----|-----------------|--|--------|
| 26 | Conception % | | 95% |
| | Twinnig % | | 5% |
| | Triplets % | | 0% |
| | Quadruplets % | | 0% |
| | Total lambing % | | 99.75% |

| Births - Mortality - Availability for sales details | | Male | female |
|--|-------------|------|--------|
| Total Lambs born | 499 | 249 | 249 |
| Mortality of lambs 4 % from birth to sale | 20 | 10 | 10 |
| After mortality, Total lambs available | 479 | | |
| Replacement of culled females (5 %)/Cycle | | 0 | 25 |
| Replacement of adult female mortality (4%)/Cycle | | 0 | 20 |
| Lambs available for sale in each cycle | 434 | 239 | 194 |
| Lambs sold / Ewe/ Cycle (after replacement) | 0.87 | | |

| | |
|--|------|
| Lambs born per Ewe/Cycle | 1.00 |
| Lambs available /Ewe/Cycle (After mortality) | 0.96 |

| | | |
|----|---------------------------------------|------|
| 27 | Birth weight of lambs Kgs | 2.4 |
| 28 | ADG in Gms | 130 |
| 29 | Total weight gain in 180 days (kgs) | 23.4 |
| 30 | Weight at sale after 180 days | 25.8 |

| | | | | |
|----|---|--------|---------------|------------------|
| 31 | Estimated sale prices | Per Kg | Weight in Kgs | Total sale price |
| a | Sale price of lambs | 375 | 25.8 | 9675 |
| b | Sale price of culled females | 300 | 35 | 10500 |
| c | Sale price of Replaced males | 350 | 45 | 15750 |
| d | Sale price of manure per animal per day | | | 1.2 |
| | Sale price of manure per unit per day | | | 630 |

| | | | | | |
|------------|--|-----------------------------------|--------------|---------------------|-------|
| 32 | Feed & Fodder cost on Dry matter basis | Cost of fodder | Roughage | Rs/Kg | 6.00 |
| | | Cost of Conc.feed | Adult feed | | 30.00 |
| | | | Creep feed | | 35.00 |
| | | Estimated Feeding cost per day Rs | Adult Female | 9.90 | |
| Adult Male | 14.40 | | | | |
| 33 | Total feeding cost of Lambs | Prewearing stage 15-45 age | 126.0 | | |
| | | Weaning 46 - 180 days age | 1194.8 | | |
| 34 | Land lease Rs | 0 | per Acre | Total lease Rs/Year | 0 |



Beneficiary details & Farm location

| | | | |
|------------------------------------|-------------------------|--------------|--|
| Beneficiary / Key promoter details | Name | | |
| | S/o | | |
| | DOB / Age | | |
| | Address | | |
| | Mandal | | |
| | District | | |
| | State | | |
| | Pin code | | |
| | Gender | Male | |
| | Caste | OC | |
| | Education qualification | Postgraduate | |
| | Aadhaar | | |
| | PAN no | | |
| Mobile | | | |

| | | | |
|------------------------------|-----|--|--|
| Status of Land available A-G | Own | | |
|------------------------------|-----|--|--|

| | |
|---|--|
| Proposed Shed construction land survey Number | |
|---|--|

| | | | |
|---------------|-----------------|--|--|
| Farm location | Village | | |
| | Revenue Village | | |
| | Mandal | | |
| | District | | |
| | State | | |
| | Pin code | | |

Cost of Project

| | | | | % share | |
|------------------------------|--------------------------------------|---------------------------|-----------------|---------------|-------|
| a | Cost of Animals | Females | 4875000 | 5325000 | 52.89 |
| | | Males | 450000 | | |
| b | Cost of civil construction | Animal sheds (Housing) | 3375000 | 4065000 | 40.37 |
| c | | Other civil structures | 690000 | | |
| d | Farm equipment (Plant & Machinery) | | 253750 | 2.52 | |
| e | Other component | Transport cost | 78750 | 0.78 | |
| f | | Insurane cost (1st year) | 195000 | 1.94 | |
| g | Miscellaneous | | 52500 | 0.52 | |
| h | Fodder cultivation cost | | 99000 | 0.98 | |
| Total cost of Project | | | 10069000 | 100.00 | |

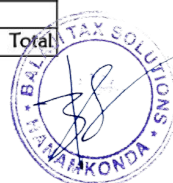
| Means of finance | | | % share |
|---|---------|-----------------|---------------|
| Subsidy 50 % of total project cost or max | 5000000 | 5000000 | 49.66 |
| Non-Subsidy part | | 5069000 | 50.34 |
| Total Project cost | | 10069000 | 100.00 |

| | | | |
|--------------------------------|-------------------------------------|----------------|--------------|
| Non-Subsidy part | Bank Loan | 4060000 | 40.32 |
| | Beneficiary margin money (Min 10%) | 1009000 | 10.02 |
| Total non- subsidy part | | 5069000 | 50.34 |

| | | |
|----------------------|-----------|---------|
| Estimated Net Income | Per Cycle | 1647181 |
| Estimated Net Income | Per Year | 2470771 |

| | | |
|-------------|--|--|
| Note | Present Market Values are considered for prepering DPR | |
| | As per previous records the sale prices are increasing constantly by 5-10 % every year | |
| | Net profits may vary from -10 to +10 | |

| | | |
|---------------------------|---|----------------|
| Asset Value after 7 years | Animals cost (Not less than procurement cost) | 5325000 |
| | Equipment & Infra structure | 5325000 |
| | Total | 5325000 |



Component wise project cost details

a Cost of Animals

| Sex of Animal | Unit size | Approx. Body weight | Cost per Kg | Cost per each animal | Total cost | Total cost of all animals |
|---------------|-----------|---------------------|-------------|----------------------|------------|---------------------------|
| Females | 500 | 30 | 325 | 9750 | 4875000 | 5325000 |
| Males | 25 | 40 | 450 | 18000 | 450000 | |

b Animal Shed cost (Housing)

| Type of shed | Shed area per each animal Sft | Total area Sft | Cost per Sft (Rs) | Total construction cost of Animal sheds including open paddock (Rs) |
|-------------------|-------------------------------|----------------|---------------------|---|
| Adult female shed | 10 | 5000 | 375 | |
| Adult male shed | 20 | 500 | | |
| Young stock shed | 6 | 3000 | | |
| Sick shed | 1 | 500 | | |
| Total | | 9000 | | 3375000 |

c Other Civil works

| Type | Area in Sft | | Cost/ Sft | Total cost | |
|-------------------|-------------|-------------|-----------|------------|--|
| Farm labour Rooms | 150 | 5 | 200 | 690000 | |
| Chaffcutter Room | | 200 | | | |
| Feed store Room | | 750 | | | |
| Store Room | | 500 | | | |
| Delivery Room | | 750 | | | |
| Quarantine room | | 500 | | | |
| Total | | 3450 | | | |

d Farm Equipment cost

| Type of Equipment | Qty | Cost (Rs) | Total cost |
|----------------------------|-----|-------------|---------------|
| Feeders | 50 | 2500 | 125000 |
| Waterers (Automatic) | 25 | 750 | 18750 |
| Refrigerator | 1 | 25000 | 25000 |
| Chaffcutter cum pulveriser | 1 | 75000 | 75000 |
| Shearer | 1 | 10000 | 10000 |
| Silage baler | | | 0 |
| Total | | | 253750 |

e Transport cost

| No of animals | Cost per each animal (Rs) | Total |
|---------------|-----------------------------|--------------|
| 525 | 150 | 78750 |

f Insurance cost

| | | |
|-----|-------------------------|---------------|
| 525 | 4% of total animal cost | 195000 |
|-----|-------------------------|---------------|

g Miscellaneous

| | | | |
|--|-----|-----|--------------|
| Misc (Castrator, Weighing scale, Tag applicator, Spade, Manure holder etc) | 525 | 100 | 52500 |
| Total | | | 52500 |

h Fodder cultivation cost

| No of acres | Cultivation Cost per acre | Total cost |
|-------------|---------------------------|--------------|
| 6.00 | 16500 | 99000 |



Estimated Recurring Expenditure

a Estimated feeding cost

Per day feeding cost of breeder Ewes

| Feed type | Avg Bwt of adult | Requirement | | | Cost per kg on DM basis | Tota cost per day (Rs) | Cost per month/ Ewe | Cost per breeding cycle/ Ewe |
|---|------------------|---------------------------------|---|---------------------------------------|-------------------------|------------------------|---------------------|------------------------------|
| | | Dry/ Green | Per day requiremnt on Body weight basis | Per day requirement (Kgs) on DM basis | | | | |
| 1 Roughage | 30 | Cultivated/Crop residue/ Silage | 3.0% | 0.90 | 6.00 | 5.40 | | |
| 2 Concentrate feed | | Home made | 0.5% | 0.15 | 30.00 | 4.50 | | |
| Total feeding cost per day /female adult | | | | | | 9.90 | 297 | 2376 |

Per day feeding cost of breeding Ram

| Feed type | Avg Bwt of adult | Requirement | | | Cost per kg on DM basis | Tota cost per day (Rs) | Cost per month /Ram | Cost per breeding cycle/ Ram |
|---|------------------|---------------------------------|---|---------------------------------------|-------------------------|------------------------|---------------------|------------------------------|
| | | Dry/ Green | Per day requiremnt on Body weight basis | Per day requirement (Kgs) on DM basis | | | | |
| 1 Roughage | 40 | Cultivated/Crop residue/ Silage | 3.5% | 1.40 | 6.00 | 8.40 | | |
| 2 Concentrate feed | | Home made | 0.5% | 0.20 | 30.00 | 6.00 | | |
| Total feeding cost per day /male adult | | | | | | 14.40 | 432 | 3456 |

Per day feeding cost of lambs (45 th day to 180 days)

| Feed type | Avg Bwt of lamb | Requirement | | | Cost per kg on DM basis | Tota cost per day (Rs) | Total cost for 135 days per each lamb |
|---|-----------------|---------------------------------|---|---------------------------------------|-------------------------|------------------------|---------------------------------------|
| | | Dry/ Green | Per day requiremnt on Body weight basis | Per day requirement (Kgs) on DM basis | | | |
| 1 Roughage | 15 | Cultivated/Crop residue/ Silage | 4.0% | 0.60 | 6.00 | 3.60 | |
| 2 Concentrate feed | | Home made | 1.0% | 0.15 | 35.00 | 5.25 | |
| Total feeding cost per day /lamb | | | | | | 8.85 | 1195 |

Average body weight of lamb from 45th day to slaughter is considered as 15 kgs

Creep feed @ Feeding cost # Preruminant stage (15 - 45th day)

| Feed type | Avg Bwt of lamb | Requirement | | | Cost per kg on DM basis | Tota cost per day (Rs) | Total cost for 30 days per each lamb |
|--------------------|-----------------|---------------|---|---------------------------------------|-------------------------|------------------------|--------------------------------------|
| | | Dry/ Green | Per day requiremnt on Body weight basis | Per day requirement (Kgs) on DM basis | | | |
| 1 Concentrate feed | 4 | Home made dry | 3% | 0.120 | 35.00 | 4.20 | 126 |



b Labour Expenditure

| Type of staff | No | Salary per month /Person | Total salary per month | Total salary per breeding Cycle |
|----------------------|----|--------------------------|------------------------|---------------------------------|
| Farm Labour (Pair) | 5 | 15000 | 75000 | 600000 |
| Veterinary Assistant | 0 | 0 | 0 | 0 |
| Farm supervisor | 0 | 0 | 0 | 0 |
| | | Total | 75000 | 600000 |

c Miscellaneous

| Activity | Unit size | Per day cost / Animal | Per cycle/Unit | Per month / Unit |
|---------------------|-----------|-----------------------|----------------|------------------|
| Health care | 525 | 0.50 | 63000 | 7875 |
| Water & Electricity | | 0.50 | 63000 | 7875 |
| Land lease | | 0.00 | 0 | 0 |
| Miscellaneous | | 0.50 | 63000 | 7875 |
| | | Total | 189000 | 23625 |

Production cost of lamb (for sale)

| | | | | | | | | | | | | | | |
|--|---------------|--|-------------|--|---------------------|------|------|------|------|------|------|----------|--|-------|
| Feeding cost of Ewe for 8 months | Rs | 2376 | 45.06 | <table border="1"> <tr> <td rowspan="5">Per day expenditure</td> <td>9.90</td> </tr> <tr> <td>0.72</td> </tr> <tr> <td>3.64</td> </tr> <tr> <td>7.68</td> </tr> <tr> <td>5.00</td> </tr> <tr> <td>1.58</td> </tr> <tr> <td>Total Rs</td> <td></td> <td>28.52</td> </tr> </table> | Per day expenditure | 9.90 | 0.72 | 3.64 | 7.68 | 5.00 | 1.58 | Total Rs | | 28.52 |
| Per day expenditure | 9.90 | | | | | | | | | | | | | |
| | 0.72 | | | | | | | | | | | | | |
| | 3.64 | | | | | | | | | | | | | |
| | 7.68 | | | | | | | | | | | | | |
| | 5.00 | | | | | | | | | | | | | |
| 1.58 | | | | | | | | | | | | | | |
| Total Rs | | 28.52 | | | | | | | | | | | | |
| Feeding cost of Breeding Ram for 8 months (1:20 basis) | Rs | 173 | 3.28 | | | | | | | | | | | |
| Feeding cost of lamb from 15th day to 45th day (30 Days) for 1.00 lambs | Rs | 109 | 2.07 | | | | | | | | | | | |
| Feeding cost of Lamb from 46th day to 180th Day (135 Days) for 1.00 lambs | Rs | 1037 | 19.66 | | | | | | | | | | | |
| Labour & staff / on each Ewe / Cycle | Rs | 1200 | 22.76 | | | | | | | | | | | |
| Health Care & Misc / on each Ewe / Cycle | Rs | 378 | 7.17 | | | | | | | | | | | |
| | | Total Rs | 5273 | 100 | | | | | | | | | | |
| No of lambs available from one Ewe / Cycle (After mortality) | | 0.96 | | | | | | | | | | | | |
| Production cost of one lamb | Weight Kgs 26 | 5506 | | | | | | | | | | | | |
| Production cost of one kg live | | 213 | | | | | | | | | | | | |
| | | % of production cost on live sale price | 57 | | | | | | | | | | | |

| | |
|------------------|--------|
| Slaughter weight | 26 Kgs |
| Sale price Rs | 375 |



Life span of Sheep # 10-12 Years

| Lamb stage | | Adult stage | |
|----------------|---|---|---|
| Pre-weaning | Weaned | Young | Old |
| 0- 90 days Age | 4 - 12 months Age | 12 - 84 months Age | >84 months Age |
| | Sold for slaughter on attaining 24-30 Kgs weight @ at 6-9 months age | Reproductive Age Retained in farm for breeding | Less productive or Unproductive Sold for slaughter |

Breeding Cycle length

| Pregnancy period | Lactation days | Dry period days | Total length of Breeding Cycle |
|------------------|----------------|-----------------|--|
| 150 Days | 45 - 60 Days | 30- 45 Days | 240 days or 8 months (3 Cycles in every 2 years) |

Total number of breeding Cycles in life time # 9

@ from 18th month of age to 84 months of age

(Assumption : If first time conceived at 12 -13 months age)

| Age of Ewe (Months) | No of lambing | No of lambs @ 1 lamb per lambing |
|-------------------------|---------------|----------------------------------|
| 18 | 1 st Lambing | 1 |
| 26 | 2 nd Lambing | 1 |
| 34 | 3 rd Lambing | 1 |
| 42 | 4 th Lambing | 1 |
| 50 | 5 th Lambing | 1 |
| 58 | 6 th Lambing | 1 |
| 66 | 7 th Lambing | 1 |
| 74 | 8 th Lambing | 1 |
| 82 | 9 th Lambing | 1 |
| Total lambings 9 | | Total lambs 9 |

✓ As in every breeding cycle , culling is advised @ 5 % , the production / breeding cycle will be continued without any break



Flock flow Chart

| | | |
|---------------------------------------|--------|-----------------|
| Unit size | Male | 25 |
| | female | 500 |
| Lambing % | | 99.8% |
| Lamb mortality from birth to sale | | 4% |
| Culling of Females per breeding Cycle | | 5% |
| Adult mortality per breeding cycle | | 4% |
| Ram replacement | | Once in 24-30 m |

| Parameter | Months | | | | | | | | | | | | | | | | | | | | |
|---------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | Flock Size | | | | | | | | | | | | | | | | | | | | |
| Opening Stock | 6 | 12 | 14 | 20 | 22 | 28 | 30 | 36 | 38 | 44 | 46 | 52 | 54 | 60 | 62 | 68 | 70 | 76 | 78 | 84 | |
| Flock size | Male 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | female 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |

| Births - Mortality - Replacement of Culled females | | | | | | | | | | | | | | | | | | | | | |
|---|------------|--|--|--|--|--|-----|--|--|--|--|--|-----|--|--|--|--|--|-----|--|--|
| Parameter | 499 | | | | | | 499 | | | | | | 499 | | | | | | 499 | | |
| | Lambs Born | | | | | | | | | | | | | | | | | | | | |
| Mortality | 20 | | | | | | 20 | | | | | | 20 | | | | | | 20 | | |
| Replacement of Culled females with farm born female lambs | 25 | | | | | | 25 | | | | | | 25 | | | | | | 25 | | |

| Sales | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|------------|-----|--|--|--|--|-----|-----|--|--|--|--|-----|-----|--|--|--|--|-----|-----|--|
| Parameter | 434 | | | | | | 434 | | | | | | 434 | | | | | | 434 | | |
| | Lambs sold | 434 | | | | | | 434 | | | | | | 434 | | | | | | 434 | |
| Sale of Breeder Ram (Replacement) | | | | | | | 25 | | | | | | | | | | | | | | |
| Sale of culled females | 25 | | | | | | 25 | | | | | | 25 | | | | | | 25 | | |

| Purchases | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|----|--|--|
| Purchase of Breeder Rams | | | | | | | 25 | | | | | | | | | | | | 25 | | |



Gross Income - Expenditure - Net income statement

| | |
|-------------------------------------|---------|
| No of lambs sold per Breeding cycle | 434 |
| Sale cost of lambs | 9675 |
| Working capital / Cycle | |
| Total animal cost | 5325000 |
| Feeding cost of Ewe/Cycle | 2376 |
| Feeding cost of Ram/Cycle | 3456 |

| | |
|---------------------------------|-------|
| Sale price of culled females | 10500 |
| Sale price of replaced males | 15750 |
| Purchase cost of replaced males | 18000 |
| Insurance premium | 4% |

| | |
|--|-----|
| Sale cost of manure per cycle / adult Rs | 288 |
| No of adults | 525 |
| Transport cost | 200 |

| | |
|---|--------|
| Feeding cost of lamb from 15 - 180 days | 1321 |
| No of lambs born | 498.75 |

| Sl.N o | Parameter | Months | | | | | | | | | | |
|---|--|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| | | 12 | 20 | 28 | 36 | 44 | 52 | 60 | 68 | 76 | 84 | |
| Gross income | | | | | | | | | | | | |
| 1 | Sale of Lambs | 4197015 | 4197015 | 4197015 | 4197015 | 4197015 | 4197015 | 4197015 | 4197015 | 4197015 | 4197015 | 4197015 |
| 2 | Sale of Replaced Breeder Ram | | | 393750 | | | 393750 | | | 393750 | | 1181250 |
| 3 | Sale of Culled females | 262500 | 262500 | 262500 | 262500 | 262500 | 262500 | 262500 | 262500 | 262500 | 262500 | 2625000 |
| 4 | Sale of Manure | 226800 | 151200 | 151200 | 151200 | 151200 | 151200 | 151200 | 151200 | 151200 | 151200 | 1587600 |
| | Total | 4686315 | 4610715 | 5004465 | 4610715 | 4610715 | 5004465 | 4610715 | 4610715 | 5004465 | 4610715 | 47364000 |
| Expenditure | | | | | | | | | | | | |
| 1 | Feeding cost of Female adults | 1782000 | 1188000 | 1188000 | 1188000 | 1188000 | 1188000 | 1188000 | 1188000 | 1188000 | 1188000 | 12474000 |
| 2 | Feeding cost of Male adults | 1296000 | 864000 | 864000 | 864000 | 864000 | 864000 | 864000 | 864000 | 864000 | 864000 | 9072000 |
| 3 | Feeding cost of lambs | 658724 | 658724 | 658724 | 658724 | 658724 | 658724 | 658724 | 658724 | 658724 | 658724 | 6587240.63 |
| 4 | Purchase of breeding Rams | | | 450000 | | | 450000 | | | 450000 | | 1350000 |
| 5 | Insurance @ 4 % pa | | 142000 | 142000 | 142000 | 142000 | 142000 | 142000 | 142000 | 142000 | 142000 | 1278000 |
| 6 | Transport cost of purchased breeding Rams | | | 3750 | | | 3750 | | | 3750 | | 11250 |
| 7 | Misc (Health care + Water & Electricity) | 283500 | 189000 | 189000 | 189000 | 189000 | 189000 | 189000 | 189000 | 189000 | 189000 | 1984500 |
| 8 | Labour | 900000 | 600000 | 600000 | 600000 | 600000 | 600000 | 600000 | 600000 | 600000 | 600000 | 6300000 |
| | Total | 3753824 | 2864124 | 3317874 | 2864124 | 2864124 | 3317874 | 2864124 | 2864124 | 3317874 | 2864124 | 30892190.63 |
| Net income (before loan repayment) | | | | | | | | | | | | |
| | | 932490.9 | 1746591 | 1686591 | 1746591 | 1686591 | 1746591 | 1686591 | 1746591 | 1686591 | 1746591 | 16478099.4 |



1. First sales is done in 12 th month. Thereafter sales considered every 8 months
2. Each breeding cycle length is 8 months

DEPRECIATION STATEMENT

| | | | 1 Year | | 2 Year | | 3 Year | |
|--------------------------------------|------------------------|-----|-------------------|------------------|-------------------|------------------|-------------------|------------------|
| | | | Opening | Depreciation | Opening | Depreciation | Opening | Depreciation |
| Cost of Animal | Females | 0% | 4875000.00 | 0 | 4875000.00 | 0 | 4875000.00 | 0 |
| | Males | 0% | 450000.00 | 0 | 450000.00 | 0 | 450000.00 | 0 |
| Cost of civil construction | Animal sheds | 10% | 3375000.00 | 337500 | 3037500.00 | 303750 | 2733750.00 | 273375 |
| | Other civil structures | 10% | 690000.00 | 69000 | 621000.00 | 62100 | 558900.00 | 55890 |
| Farm equipment (Plant & Machinery) | | 15% | 253750.00 | 38062.5 | 215687.50 | 32353.125 | 183334.38 | 27500.15625 |
| | | | 9643750.00 | 444562.50 | 9199187.50 | 398203.13 | 8800984.38 | 356765.16 |

DEPRECIATION STATEMENT

| | | | 4 Year | | 5 Year | | 6 Year | |
|--------------------------------------|------------------------|-----|-------------------|------------------|-------------------|------------------|-------------------|------------------|
| | | | Opening | Depreciation | Opening | Depreciation | Opening | Depreciation |
| Cost of Animal | Females | 0% | 4875000.00 | 0.00 | 4875000.00 | 0.00 | 4875000.00 | 0.00 |
| | Males | 0% | 450000.00 | 0.00 | 450000.00 | 0.00 | 450000.00 | 0.00 |
| Cost of civil construction | Animal sheds | 10% | 2460375.00 | 246037.50 | 2214337.50 | 221433.75 | 1992903.75 | 199290.38 |
| | Other civil structures | 10% | 503010.00 | 50301.00 | 452709.00 | 45270.90 | 407438.10 | 40743.81 |
| Farm equipment (Plant & Machinery) | | 15% | 155834.22 | 23375.13 | 132459.09 | 19868.86 | 112590.22 | 16888.53 |
| | | | 8444219.22 | 319713.63 | 8124505.59 | 286573.51 | 7837932.07 | 256922.72 |

DEPRECIATION STATEMENT

| | | | 7 Year | |
|--------------------------------------|------------------------|-----|-------------------|------------------|
| | | | Opening | Depreciation |
| Cost of Animal | Females | 0% | 4875000.00 | 0.00 |
| | Males | 0% | 450000.00 | 0.00 |
| Cost of civil construction | Animal sheds | 10% | 1793613.38 | 179361.34 |
| | Other civil structures | 10% | 366694.29 | 36669.43 |
| Farm equipment (Plant & Machinery) | | 15% | 95701.69 | 14355.25 |
| | | | 7581009.35 | 230386.02 |



| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Opening | 9643750.00 | 9199187.50 | 8800984.38 | 8444219.22 | 8124505.59 | 7837932.07 | 7581009.35 |
| Depreciation | 444562.50 | 398203.13 | 356765.16 | 319713.63 | 286573.51 | 256922.72 | 230386.02 |
| WDV | 9199187.50 | 8800984.38 | 8444219.22 | 8124505.59 | 7837932.07 | 7581009.35 | 7350623.33 |

Working Note

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Sale of Lambs | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 |
| Sale of Replaced Breeder Ram | 0.00 | 0.00 | 393750.00 | 0.00 | 393750.00 | 0.00 | 393750.00 |
| Sale of Culled females | 262500.00 | 262500.00 | 262500.00 | 262500.00 | 262500.00 | 262500.00 | 262500.00 |
| Sale of Manure | 226800.00 | 226800.00 | 226800.00 | 226800.00 | 226800.00 | 226800.00 | 226800.00 |
| Interest on Term Loan | 395642.00 | 352113.00 | 304122.00 | 251213.00 | 192880.00 | 128568.00 | 57665.00 |
| Term Loan outstanding | 3635328.00 | 3167127.00 | 2650935.00 | 2081834.00 | 1454400.00 | 762654.00 | 0.00 |
| Term Loan Repayments | 424672.00 | 468201.00 | 516192.00 | 569101.00 | 627434.00 | 691746.00 | 762654.00 |



PROJECTED PROFIT & LOSS ACCOUNT FOR THE YEAR ENDING 31ST MARCH

| INCOME | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|---|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| GROSS REVENUE | | | | | | | | |
| Sale of Lambs | Working Note | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 | 6295522.50 |
| Sale of Replaced Breeder Ram | Working Note | 0.00 | 0.00 | 393750.00 | 0.00 | 393750.00 | 0.00 | 393750.00 |
| Sale of Culled females | Working Note | 262500.00 | 262500.00 | 262500.00 | 262500.00 | 262500.00 | 262500.00 | 262500.00 |
| Sale of Manure | Working Note | 226800.00 | 226800.00 | 226800.00 | 226800.00 | 226800.00 | 226800.00 | 226800.00 |
| | | <u>6784822.50</u> | <u>6784822.50</u> | <u>7178572.50</u> | <u>6784822.50</u> | <u>7178572.50</u> | <u>6784822.50</u> | <u>7178572.50</u> |
| COST OF PRODUCTION | | | | | | | | |
| Cost for Breeding Rams | | 0.00 | 0.00 | 450000.00 | 0.00 | 450000.00 | 0.00 | 450000.00 |
| Cost of Labour | | 900000.00 | 900000.00 | 900000.00 | 900000.00 | 900000.00 | 900000.00 | 900000.00 |
| Feeding Cost of Female adults | | 1782000.00 | 1782000.00 | 1782000.00 | 1782000.00 | 1782000.00 | 1782000.00 | 1782000.00 |
| Feeding Cost of Male adults | | 129600.00 | 129600.00 | 129600.00 | 129600.00 | 129600.00 | 129600.00 | 129600.00 |
| Feeding Cost of Lambs | | 658724.00 | 658724.00 | 658724.00 | 658724.00 | 658724.00 | 658724.00 | 658724.00 |
| Insurance @ 4% | | 0.00 | 142000.00 | 142000.00 | 142000.00 | 142000.00 | 142000.00 | 142000.00 |
| Transport cost of purchased breeding Rams | | 0.00 | 0.00 | 3750.00 | 0.00 | 3750.00 | 0.00 | 3750.00 |
| Misc (Health care+ Water + Electricity) | | 283500.00 | 283500.00 | 283500.00 | 283500.00 | 283500.00 | 283500.00 | 283500.00 |
| | | <u>3753824.00</u> | <u>3895824.00</u> | <u>4349574.00</u> | <u>3895824.00</u> | <u>4349574.00</u> | <u>3895824.00</u> | <u>4349574.00</u> |
| Add:Opening Stock Feed and Fodder | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Less:Closing Stock Feed and Fodder | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cost of Sales | | <u>3753824.00</u> | <u>3895824.00</u> | <u>4349574.00</u> | <u>3895824.00</u> | <u>4349574.00</u> | <u>3895824.00</u> | <u>4349574.00</u> |
| Interest on Term Loan | | 395642.00 | 352113.00 | 304122.00 | 251213.00 | 192880.00 | 128568.00 | 57665.00 |
| Depreciation | | 444562.50 | 398203.13 | 356765.16 | 319713.63 | 286573.51 | 256922.72 | 230386.02 |
| Net Profit before Provision for Taxation | | <u>2190794.00</u> | <u>2138682.38</u> | <u>2168111.34</u> | <u>2318071.87</u> | <u>2349544.99</u> | <u>2503507.78</u> | <u>2540947.48</u> |
| Less:Provision for Taxes | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Net Profit after Provision for Taxation | | <u>2190794.00</u> | <u>2138682.38</u> | <u>2168111.34</u> | <u>2318071.87</u> | <u>2349544.99</u> | <u>2503507.78</u> | <u>2540947.48</u> |
| | | <u>3753824.00</u> | <u>3895824.00</u> | <u>4349574.00</u> | <u>3895824.00</u> | <u>4349574.00</u> | <u>3895824.00</u> | <u>4349574.00</u> |



PROJECTED BALANCE SHEET FOR THE YEAR ENDING 31ST MARCH

| LIABILITIES | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Capital | 1009000.00 | 2199794.00 | 3338476.38 | 4006587.72 | 4424659.59 | 4974204.57 | 5677712.35 |
| Reserves & Surplus | 2190794.00 | 2138682.38 | 2168111.34 | 2318071.87 | 2349544.99 | 2503507.78 | 2540947.48 |
| | 3199794.00 | 4338476.38 | 5506587.72 | 6324659.59 | 6774204.57 | 7477712.35 | 8218659.83 |
| Less: Drawings | 1000000.00 | 1000000.00 | 1500000.00 | 1900000.00 | 1800000.00 | 1800000.00 | 1800000.00 |
| | 2199794.00 | 3338476.38 | 4006587.72 | 4424659.59 | 4974204.57 | 5677712.35 | 6418659.83 |
| NLM Subsidy | 5000000.00 | 5000000.00 | 5000000.00 | 5000000.00 | 5000000.00 | 5000000.00 | 5000000.00 |
| Bank Term Loan | 3635328.00 | 3167127.00 | 2650935.00 | 2081834.00 | 1454400.00 | 762654.00 | 0.00 |
| | 10835122.00 | 11505603.38 | 11657522.72 | 11506493.59 | 11428604.57 | 11440366.35 | 11418659.83 |
| ASSETS | | | | | | | |
| Cash & Bank Balances | 535934.50 | 1454619.00 | 1813303.50 | 1831988.00 | 1890672.50 | 2109357.00 | 2368036.50 |
| Closing Stock of Feed and Fodder | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Trade Receivables | 1100000.00 | 1250000.00 | 1400000.00 | 1550000.00 | 1700000.00 | 1750000.00 | 1700000.00 |
| <u>Fixed Assets</u> (After Depreciation) | 9199187.50 | 8800984.38 | 8444219.22 | 8124505.59 | 7837932.07 | 7581009.35 | 7350623.33 |
| | 10835122.00 | 11505603.38 | 11657522.72 | 11506493.59 | 11428604.57 | 11440366.35 | 11418659.83 |

The Following are the assumption in preparation of the Financial Statements:

1. Books of Accounts are maintained on the basis of Merchantile System of Accounting
2. The interest on Term Loan is estimated @ 10.00 % per annum.
3. The term loan is repaid in 7 years on Half Yearly Basis along with interest
4. Average Gross DSCR is 3.52 and Average Net DSCR is 4.71



PROJECTED CASH FLOW STATEMENT FOR THE YEAR ENDING 31ST MARCH

| PARTICULARS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|---|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| A. Sources of Funds | | | | | | | |
| a. Increase/Decrease in Capital | 1009000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Increase/ Decrease in Quasi - Capital | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| b. Net profit before interest | 2586436.00 | 2490795.38 | 2472233.34 | 2569284.87 | 2542424.99 | 2632075.78 | 2598612.48 |
| c. Depreciation | 444562.50 | 398203.13 | 356765.16 | 319713.63 | 286573.51 | 256922.72 | 230386.02 |
| d. Term Loan from Bank | 4060000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| e. Increase/Decrease in Current Liabilities | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| f. Increase in Working Capital | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g. NLM Subsidy | 5000000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL 'A' | 13099998.50 | 2888998.50 | 2828998.50 | 2888998.50 | 2828998.50 | 2888998.50 | 2828998.50 |
| B. Application of Funds | | | | | | | |
| a. Increase in Capital Expenditure | | | | | | | |
| Fixed Assets | 9643750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| b. Interest on Term Loan | 395642.00 | 352113.00 | 304122.00 | 251213.00 | 192880.00 | 128568.00 | 57665.00 |
| c. Repayment of Term Loan | 424672.00 | 468201.00 | 516192.00 | 569101.00 | 627434.00 | 691746.00 | 762654.00 |
| d. Increase or decrease in Current Assets | 1100000.00 | 150000.00 | 150000.00 | 150000.00 | 150000.00 | 50000.00 | -50000.00 |
| e. Closing Stock | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| f. Advance against purchase of Material | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| h. Drawings | 1000000.00 | 1000000.00 | 1500000.00 | 1900000.00 | 1800000.00 | 1800000.00 | 1800000.00 |
| TOTAL 'B' | 12564064.00 | 1970314.00 | 2470314.00 | 2870314.00 | 2770314.00 | 2670314.00 | 2570319.00 |
| C. A-B | 535934.50 | 918684.50 | 358684.50 | 18684.50 | 58684.50 | 218684.50 | 258679.50 |
| D. Opening Balance | 0.00 | 535934.50 | 1454619.00 | 1813303.50 | 1831988.00 | 1890672.50 | 2109357.00 |
| E. Closing Balance | 535934.50 | 1454619.00 | 1813303.50 | 1831988.00 | 1890672.50 | 2109357.00 | 2368036.50 |
| F. Deficit/ Surplus [D-E] | 535934.50 | 918684.50 | 358684.50 | 18684.50 | 58684.50 | 218684.50 | 258679.50 |



PROJECTED GROSS DSCR FOR THE YEAR ENDING 31ST MARCH

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|--------------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Net Profit | 2190794.00 | 2138682.38 | 2168111.34 | 2318071.87 | 2349544.99 | 2503507.78 | 2540947.48 |
| Depreciation on Asset | 444562.50 | 398203.13 | 356765.16 | 319713.63 | 286573.51 | 256922.72 | 230386.02 |
| Bank Interest in Term Loan | 395642.00 | 352113.00 | 304122.00 | 251213.00 | 192880.00 | 128568.00 | 57665.00 |
| Total Net Cash Accruals | 3030998.50 | 2888998.50 | 2828998.50 | 2888998.50 | 2828998.50 | 2888998.50 | 2828998.50 |
| Interest Payments | 395642.00 | 352113.00 | 304122.00 | 251213.00 | 192880.00 | 128568.00 | 57665.00 |
| Instalment Repayment | 424672.00 | 468201.00 | 516192.00 | 569101.00 | 627434.00 | 691746.00 | 762654.00 |
| Repayment Obligation | 820314.00 | 820314.00 | 820314.00 | 820314.00 | 820314.00 | 820314.00 | 820319.00 |
| DSCR = A/B | 3.69 | 3.52 | 3.45 | 3.52 | 3.45 | 3.52 | 3.45 |
| AVERAGE GROSS DSCR | Year 1 to Year 7 | <u>24.61</u> 7 | = | <u>3.52</u> | | | |

PROJECTED NET DSCR FOR THE YEAR ENDING 31ST MARCH

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|--------------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Net Profit | 2190794.00 | 2138682.38 | 2168111.34 | 2318071.87 | 2349544.99 | 2503507.78 | 2540947.48 |
| Depreciation on Asset | 444562.50 | 398203.13 | 356765.16 | 319713.63 | 286573.51 | 256922.72 | 230386.02 |
| Total Net Cash Accruals | 2635356.50 | 2536885.50 | 2524876.50 | 2637785.50 | 2636118.50 | 2760430.50 | 2771333.50 |
| Instalment Repayment | 424672.00 | 468201.00 | 516192.00 | 569101.00 | 627434.00 | 691746.00 | 762654.00 |
| Repayment Obligation | 424672.00 | 468201.00 | 516192.00 | 569101.00 | 627434.00 | 691746.00 | 762654.00 |
| DSCR = A/B | 6.21 | 5.42 | 4.89 | 4.64 | 4.20 | 3.99 | 3.63 |
| AVERAGE NET DSCR | Year 1 to Year 7 | <u>32.98</u> 7 | = | <u>4.71</u> | | | |



PROJECTED IRR FOR THE PROJECT

| | Year 0 | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|---|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Total Cash Outflows (Capital Expenditure) | 9643750.00 | | | | | | | |
| Total Cash Inflows | | 2635356.50 | 2536885.50 | 2524876.50 | 2637785.50 | 2636118.50 | 2760430.50 | 2771333.50 |
| Total asset value at the end of the Project | | | | | | | | 5325000.00 |
| | <u>-9643750.00</u> | <u>2635356.50</u> | <u>2536885.50</u> | <u>2524876.50</u> | <u>2637785.50</u> | <u>2636118.50</u> | <u>2760430.50</u> | <u>8096333.50</u> |

Internal Rate of Return 24.09 %

BENEFIT-COST RATIO, NET CASH FLOWS AND PAY BACK PERIOD

| | Year 0 | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|---|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Total Cash Outflows (Capital Expenditure) | 9643750 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Cash Inflows | 0 | 2635356.5 | 2536885.5 | 2524876.5 | 2637785.5 | 2636118.5 | 2760430.5 | 2771333.5 |
| Total asset value at the end of the Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5325000 |
| | <u>-9643750</u> | <u>2635356.5</u> | <u>2536885.5</u> | <u>2524876.5</u> | <u>2637785.5</u> | <u>2636118.5</u> | <u>2760430.5</u> | <u>8096333.5</u> |

Total Cash inflows 23827786.50
 Total cash outflows 9643750.00

BCR 2.47

Net Cash Inflows 14184036.50

PAY-BACK PERIOD (PBP) 2.83 Years

Return on Investment 21.01

(DER) DEBT-TO-EQUITY RATIO

| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 |
|---------------------|------------|------------|------------|------------|------------|------------|------------|
| EQUITY | | | | | | | |
| Owners Contribution | 2199794.00 | 3338476.38 | 4006587.72 | 4424659.59 | 4974204.57 | 5677712.35 | 6418659.83 |
| DEBT | | | | | | | |
| Bank Term Loan | 3635328.00 | 3167127.00 | 2650935.00 | 2081834.00 | 1454400.00 | 762654.00 | 0.00 |

DEBT-TO-EQUITY RATIO 1.652576559 0.948674378 0.661644069 0.470507156 0.292388457 0.13432417 0

AVERAGE DEBT TO EQUITY RATIO

Year 1 to 4.16 = 0.59
 Year 7 7



FINANCIAL FEASIBILITY RATIOS

| PARTICULARS | IDEAL FIGURES | | ACTUAL FIGURES |
|-----------------------------------|-------------------|-----------------------|----------------|
| | Net Cash flows | 6% of Cost of Project | 604,140.00 |
| IRR | More than 15% | | 24.09 % |
| BCR | More than 1% | | 2.47 % |
| DSCR- Gross | More than 1.5% | | N/A % |
| DSCR-Net | More than 1.5% | | N/A % |
| ROI: Average return on Investment | More than 8% | | 21.01 % |
| Pay Back Period | Less than 5 Years | | 2.83 Yrs |
| DER(Debt-to-Equity Ratio) | Less than "2" | | 0.59 |

HENCE THE PROJECT PROPOSED IS VIABLE



REPAYMENT SCHEDULE

HALF-YEARLY REPAYMENT SCHEDULE OF BANK LOAN & INTEREST

| Halfyearly | OPENING BALANCE | INTEREST @ 10.00 % p.a. | EMI | CLOSING BALANCE | INTEREST | YEARLY PRINCIPAL | CLOSING BALANCE |
|------------|--------------------|----------------------------|--------------------------|--------------------|--------------------------|--------------------------|--------------------|
| 1 | 4060000.00 | 203000.00 | 410157.00 | 3852843.00 | | | |
| 2 | 3852843.00 | 192642.00 | 410157.00 | 3635328.00 | 395642.00 | 424672.00 | 3635328.00 |
| 3 | 3635328.00 | 181766.00 | 410157.00 | 3406937.00 | | | |
| 4 | 3406937.00 | 170347.00 | 410157.00 | 3167127.00 | 352113.00 | 468201.00 | 3167127.00 |
| 5 | 3167127.00 | 158356.00 | 410157.00 | 2915326.00 | | | |
| 6 | 2915326.00 | 145766.00 | 410157.00 | 2650935.00 | 304122.00 | 516192.00 | 2650935.00 |
| 7 | 2650935.00 | 132547.00 | 410157.00 | 2373325.00 | | | |
| 8 | 2373325.00 | 118666.00 | 410157.00 | 2081834.00 | 251213.00 | 569101.00 | 2081834.00 |
| 9 | 2081834.00 | 104092.00 | 410157.00 | 1775769.00 | | | |
| 10 | 1775769.00 | 88788.00 | 410157.00 | 1454400.00 | 192880.00 | 627434.00 | 1454400.00 |
| 11 | 1454400.00 | 72720.00 | 410157.00 | 1116963.00 | | | |
| 12 | 1116963.00 | 55848.00 | 410157.00 | 762654.00 | 128568.00 | 691746.00 | 762654.00 |
| 13 | 762654.00 | 38133.00 | 410157.00 | 390630.00 | | | |
| 14 | 390630.00 | 19532.00 | 410162.00 | 0.00 | 57665.00 | 762654.00 | 0.00 |
| | | <u><u>1682203.00</u></u> | <u><u>5742203.00</u></u> | | <u><u>1682203.00</u></u> | <u><u>4060000.00</u></u> | |



Preventive Health Care (PHC) chart of Sheep & Goats

Weaning period

| Age | PHC activity | |
|---------------------------|---|--|
| 0 day (day of birth) | <ul style="list-style-type: none"> ✓ Warm bedding & surroundings ✓ Naval cord disinfection ✓ Vit.A ✓ TT inj ✓ Sufficient Colostrum | <ul style="list-style-type: none"> ○ Keep with mothers for 72 - 48 hours # So that can consume sufficient colostrum ○ Offer sufficient Colostrum starting within first 15-30 minutes after birth |
| 2 nd - 7 th day | <ul style="list-style-type: none"> • Oral Antibiotic Powder • Multi Vitamin syrup | |
| From 15 th day | <ul style="list-style-type: none"> ✓ Creep feed ✓ Tender legume leaves | |
| At 1 month age | <ul style="list-style-type: none"> • Multi Vitamin syrup | |
| At 2 months age | <ul style="list-style-type: none"> ✓ Can start TMR ✓ Deworming ✓ HS & ET Vaccination | Deworming is need based activity @ follow the advice of local Veterinarian |
| At 3 months age | <ul style="list-style-type: none"> • Weaned (Separated from mother) | |

Adult Sheep & Goats

| Month | PHC activity | |
|-----------|--|---|
| January | <ul style="list-style-type: none"> ▪ Deworming ▪ PPR Vaccination ▪ Pox Vaccination | <ul style="list-style-type: none"> ▪ This is an indicative chart only ▪ Always follow the advice of local Veterinarian ▪ Deworming is need based activity @ follow the advice of local Veterinarian ▪ Prioritisation of Vaccination depends on epidemic history of farming area <p style="text-align: center;">Note</p> <p style="text-align: center;">There is no ideal chart which fits for all states</p> |
| March | <ul style="list-style-type: none"> ✓ TT Vaccination ✓ Shearing & Dipping (If required) | |
| April | <ul style="list-style-type: none"> ▪ Deworming ▪ HS Vaccination ▪ ET Vaccination ▪ FMD | |
| July | <ul style="list-style-type: none"> ▪ Deworming ▪ BT Vaccination | |
| September | <ul style="list-style-type: none"> Shearing & Dipping (If required) | |
| October | <ul style="list-style-type: none"> ▪ Deworming ▪ ET Vaccination ▪ HS Vaccination ▪ FMD | |
| | | |



Certain terms commonly used in **Sheep** farming

| | | |
|--|-------------------|--|
| Sheep related terms | Sheep | All sheep of both sex and of all ages Sheep # One or more sheep |
| | Sheep flock | Group of flock |
| | Ewe | Female adult sheep |
| | Ram | Male adult sheep |
| | Lambs | Young of either sex |
| | Ewe lamb | Young female 0 – 9 months |
| | Ram lamb | Young Male 0 – 9 months |
| | Weaning | First 90 days after birth # Kept with mothers |
| | Weaned | Separated from mother |
| | Wether | Castrated male sheep |
| | Spent | Aged sheep # after 7- 8 years of age |
| | Slaughter age | 6-9 months @ Should attain 24-30 Kgs weight |
| | Act of delivery | Lambing |
| Act of mating | Tupping | |
| Meat related terms | Mutton | Meat of adult sheep |
| | Lamb | Meat of lambs |
| Feed & Fodder related terms | Feed | Food of Sheep |
| | Fodder | All Plant material used as feed |
| | Concentrates | All seeds and their by-products used as feed |
| | Roughages | All foddors |
| | Legumes | Protein rich foddors |
| | Non-Legumes | Energy Rich foddors |
| | Dry Matter | Feed minus Water |



