

POULTRY

COST OF REARING 100 BROILERS (FORTNIGHTLY BATCHES

(Amount in Rs.)

A. CAPITAL COST

1. Construction of shed – brick and mud wall, bamboo, purlins, thatched roof @ 1 sq. ft. per bird for 5 batches of 100 birds each i.e. 500 sq. ft. @ Rs.70 per sq.ft.	35,000.00
2. Equipment @ Rs.15 per bird for 500 birds	<u>7,500.00</u>
TOTAL – ‘A’ ...	42,500.00

B. RECURRING COST

1. Cost of day old chicks – 4 batches of 100+5% extra i.e. 420 chicks @ Rs.15.00 each ...	6,300.00
2. Cost of fed for 4 batches of 102 birds each @ 3.2 kg. Per bird @ Rs.8.60 / kg. ...	12,852.00
3. Cost of medicines, vaccines and misc. charges for 4 batches of 102 birds each ...	2,040.00
4. Insurance of birds – 420 birds at Re.1/- per birds	420.00
5. Insurance of sheds @ Rs.5.05 per Rs.1000/- per year	<u>177.00</u>
TOTAL – ‘B’	21,789.00

TOTAL - ‘A’ + ‘B’	...	...	64,289.00
UNIT COST	...	...	64,300.00
BANK LOAN (90%)	...	...	57,870.00

ASSUMPTIONS

A. Technical parameters – fortnightly batches of 100 birds in deep litter system

No. of birds per batch	1 st yr.	2 nd yr.	3 rd yr.	4 th – 5 th yr.
1. No. of batches purchased	105	26	26	26
2. No. of rearing weeks	102	196	208	208
3. No. of batches sold	100	23	26	26
4. Manure (tons)		4.5	4.8	4.8
5. Gunny bags		100	108	108
6. Feed consumption per bird per week (kg.) : 0.40				

B. Financial parameters

1. Cost of day old chicks(Rs.)	...	15.00
2. Cost of feed (Rs. per kg.)	...	9.00
3. Medicines, vaccines & breeding expenses (per bird per year)	...	0.62
4. Insurance of birds (Rs. per bird)	...	1.00
5. Insurance of sheds (Rs. per 1000 rupees)	...	5.05
6. Average live weight of birds (kg.per bird)	...	1.50
7. Sale price of birds (Rs. per kg.)	...	39.00
8. Sale price of manure (Rs. per ton)	...	200.00
9. Sale price of gunny bags (Rs. per bag)	...	10.00

ECONOMICS OF BROILER UNIT (FORTNIGHTLY BATCHES OF 100 BIRDS)

(Amount in Rs.)

INCOME	1st yr.	2nd yr.	3rd yr.	4th - 5th yr.
1. Sale of birds	134550	152100	152100	152100
2. Sale of manure	900	960	960	960
3. Sale of gunny bags	1000	1080	1080	1080
TOTAL	136450	154140	154140	154140

EXPENDITURE	1st yr.	2nd yr.	3rd yr.	4th - 5th yr.
1. Cost of chicks	40950	40950	40950	40950
2. Cost of feed	71971	76378	76378	76378
3. Cost of medicines, vaccines and misc. charges	12395	13154	13154	13154
4. Insurance of birds	2730	2730	2730	2730
5. Insurance of sheds	177	177	177	177
TOTAL	128223	133389	133389	133389
GROSS SURPLUS	82272	20751	20751	20751

FINANCIAL ANALYSIS

COST	1st yr.	2nd yr.	3rd yr.	4th - 5th yr.
1. Capital cost	42500	--	--	--
2 Recurring cost	128223	133389	133389	133389
Total cost	170723	133389	133389	133389
INCOME				
TOTAL BENEFIT	136450	154140	154140	154140
NET BENEFIT	-34273	20751	20751	20751

NPW @ 15% D.F. ... *21714 (+)*
BCR @ 15% D.F. ... *1.05 : 1.00*
IRR ... *47.89 %*

REPAYMENT PERIOD : 5 YEARS WITHOUT GRACE PERIOD

(SOURCE - NABARD)

POULTRY
COST OF REARING 100 BROILERS (WEEKLY BATCHES)

(Amount in Rs.)

A. CAPITAL COST

1. Construction of shed – brick and mud wall, bamboo, purlins, thatched roof @ 1 sq. ft. per bird for 7 batches of 100 birds each i.e. 700 sq. ft. @ Rs.70 per sq.ft.	49,000.00
2. Equipment @ Rs.15 per bird for 700 birds	<u>10,500.00</u>
TOTAL – ‘A’ ...	59,500.00

B. RECURRING COST

1. Cost of day old chicks – 7 batches of 100+5% extra i.e. 735 chicks @ Rs.15.00 each ...	11,025.00
2. Cost of feed for 7 batches of 102 birds each @ 3.2 kg. Per bird @ Rs.8.60 / kg. ...	20,563.00
3. Cost of medicines, vaccines and misc. charges for 7 batches of 102 birds each @ Rs.5.00 per bird	3,570.00
4. Insurance of birds – 735 birds at Re.1/- per birds	735.00
5. Insurance of sheds @ Rs.5.05 per Rs.1000/- per year	<u>247.00</u>
TOTAL – ‘B’	36,140.00

TOTAL - ‘A’ + ‘B’	...	...	95,640.00
UNIT COST	...	...	95,600.00
BANK LOAN (90%)	...	...	86,040.00

ASSUMPTIONS

A. Technical parameters – fortnightly batches of 100 birds in deep litter system

	No. of birds per batch	1 st yr.	2 nd yr.	3 rd yr.	4 th – 5 th yr.
1. No. of batches purchased	105	52	52	52	52
2. No. of rearing weeks	102	276	312	312	312
3. No. of batches sold	100	46	52	52	52
4. Manure (tons)		7.36	8.32	8.32	8.32
5. Gunny bags		210	238	238	238

6. Feed consumption per bird per week (kg.) : 0.40

B. Financial parameters

1. Cost of day old chicks(Rs.)	...	15.00
2. Cost of feed (Rs. per kg.)	...	9.00
3. Medicines, vaccines & breeding expenses (per bird per year)	...	0.62
4. Insurance of birds (Rs. per bird)	...	1.00
5. Insurance of sheds (Rs. per 1000 rupees)	...	5.05
6. Average live weight of birds (kg.per bird)	...	1.50
7. Sale price of birds (Rs. per kg.)	...	38.00
8. Sale price of manure (Rs. per ton)	...	200.00
9. Sale price of gunny bags (Rs. per bag)	...	10.00

ECONOMICS OF BROILER UNIT (FORTNIGHTLY BATCHES OF 100 BIRDS)

(Amount in Rs.)

INCOME	1st yr.	2nd yr.	3rd yr.	4th yrs.	5th yrs.
1. Sale of birds	262200	296400	296400	296400	296400
2. Sale of manure	1472900	1664	1664	1664	2376
3. Sale of gunny bags	2102	2376	2376	1684	1684
TOTAL	265774	300440	300440	300440	300440

EXPENDITURE	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yrs.
1. Cost of chicks	81900	81900	81900	81900	81900
2. Cost of feed	101347	114566	114566	114566	114566
3. Cost of medicines, vaccines and misc. charges	17454	19731	19731	19731	19731
19731	5460	5460	5460	5460	5460
5. Insurance of sheds	247	247	247	247	247
TOTAL	206408	221904	221904	221904	221904
GROSS SURPLUS	59366	78536	78536	78536	78536

FINANCIAL ANALYSIS

COST	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yrs.
1. Capital cost	59500	--	--	--	
2 Recurring cost	206408	221904	221904	221904	221904
	265908	221904	221904	221904	221904
INCOME					
TOTAL BENEFIT	265774	300440	300440	300440	300440
NET BENEFIT	-134	78536	78536	78536	78536

NPW @ 15% D.F. ... 194857 (+)
BCR @ 15% D.F. ... 1.25 : 1.00
IRR ... >50 %

REPAYMENT PERIOD : 5 YEARS WITHOUT GRACE PERIOD

(SOURCE - NABARD)

POULTRY UNIT COST OF REARING – 200 LAYERS

(Amount in Rs.)

A. CAPITAL COST

1. Construction of shed – brick and mud wall, bamboo, purlins, thatched roof @ Rs.70 per sq.ft.	
a) Brooder cum grower shed – 1 sq.ft. per bird for birds i.e. 105 sq. ft.	7,350.00
b) Layer shed – 2 sq.ft.per bird for 200 birds- 2 pens of 200 sq.ft. each i.e. 400 sq. ft.	28,000.00
2. Improvised brooder equipment @ Rs.7.00 per birds for 105 birds	735.00
3. Improvised layer equipment @ Rs.10.00 per bird for 200 birds	<u>2,000.00</u>
TOTAL – ‘A’ ...	38,085.00

B. RECURRING COST

1. Cost of day old femalechicks(DOC) 200+10% extra i.e 220 chicks @ Rs.15.00 per chick...	3,300.00
2. Cost of chick and grower feed upto initial stages of laying @ Rs.7.5 kg. Per bird for 210 birds @ Rs.8.50 per kg....	15,173.00
3. Medicines, vaccines, litter and misc. charges upto initial stages of laying @ Rs.10.00 per bird for 210 birds	2,100.00
4. Insurance of birds from day old to culling @ Rs.2.00 per bird for 220 birds	440.00
5. Insurance of sheds @ Rs.5.05 per Rs.1000/- per year	<u>179.00</u>
TOTAL – ‘B’	21,192.00

TOTAL - ‘A’ + ‘B’	...	...	59,277.00
UNIT COST	...	...	59,300.00
BANK LOAN (90%)	...	...	53,400.00

ASSUMPTIONS

A. Technical parameters :

Deep litter system in 2 batches of 100 birds each

No. of birds per batch	1 st yr.	2 nd yr.	3 rd yr.	4 th yrs.	5 th – 7 th

1. No. of batches of DOC's purchased	110	2	2	2	2	2
2. Grower weeks	105	40	40	39	36	36
3. Layer weeks	100	39	96	97	99	96
4. Culled batches	90	0	2	2	1	2

5. Manure (tons)	2.7	5.4	5.4	5.4	5.3
6. Gunny bags excluding damages	57	112	112	112	109
7. Hen housed egg production (kg. Per bird per week)				5.5	
8. Feed consumption during growing period (kg. Per bird per week)				0.375	
9. Feed consumption during laying period (kg. Per bird per week)				0.75	

B. Financial parameters

1. Cost of day old female chicks(Rs.)	...	15.00
2. Cost of grower's feed (Rs. per kg.)	...	8.50
3. Cost of layer feed (Rs. per kg.)	...	7.00
4. Cost of medicines, vaccines, litter and misc. charges upto laying (Rs. per bird per week)	...	0.5
5. ....do..... During laying .....do.....	...	0.35
6. Insurance of birds (Rs. per bird)	...	2.00
7. Insurance of sheds (Rs. per 1000/- per annum)	...	5.05
8. Sale price of eggs (Rs.)	...	1.5
9. Sale price of culled birds (Rs. per bird)	...	50.00
8. Sale price of manure (Rs. per ton)	...	200.00
9. Sale price of gunny bags (Rs. per bag)	...	10.00

ECONOMICS OF 200 BIRD LAYER UNIT

(Amount in Rs.)

INCOME	1 st yr.	2 nd yr.	3 rd yr.	4 th yrs.	5 th - 7 TH yrs.
1. Sale of birds	321750	79200	80025	81675	79200
2. Sale of culled birds	0	9000	9000	4500	9000
3. Sale of gunny bags	570	1120	1120	1120	1090
4. Sale of manure	540	1080	1080	1080	1060
TOTAL	33285	90400	91225	88375	90350

EXPENDITURE	1st yr.	2nd yr.	3rd yr.	4th yr.	5th - 7th yrs.
1. Cost of day old chicks	3300	3300	3300	3300	3300
2. Cost of feed					
a. Upto laying	13388	13388	13053	12049	12049
b. During laying	20475	50400	50925	51975	50400
3. Cost of medicines, vaccines and misc. charges.					
a. Upto laying	2100	2100	2048	1890	1890
b. During laying	1365	3360	3395	3465	3360
4. Insurance of birds	440	440	440	440	440
5. Insurance of sheds	179	179	179	179	179
TOTAL	41247	73167	73340	73298	71618
GROSS SURPLUS	-7962	17233	17886	15077	13732

FINANCIAL ANALYSIS

COST	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yrs.
1. Capital cost	38085	--	--	--	
2. Recurring cost	41247	73167	73340	73298	71618
TOTAL COST	79332	73167	73340	73298	71618
1. INCOME	33285	90400	91225	88375	90350
2. Salvage value					(7 th year)
TOTAL BENEFIT	33285	90400	91225	88375	90350
NET BENEFIT	-46047	17233	17885	15077	18732

NPW @ 15% D.F. ... *213957 (+)*
BCR @ 15% D.F. ... *1.07 : 1.00*
IRR ... *32.01 %*

**REPAYMENT PERIOD : 7 YEARS WITH ONE YEAR
 GRACE PERIOD**

(SOURCE - NABARD)

6. Gunny bags excluding damages	114	224	224	224	218	218	218
7. Hen housed egg production (Per bird per week)					5.5	5.5	
8. Feed consumption during growing period (kg. Per bird per week)						0.375	
9. Feed consumption during laying period (kg. Per bird per week)						0.75	

B. Financial parameters

1. Cost of day old female chicks(Rs.)	...	15.00
2. Cost of grower's feed (Rs. per kg.)	...	8.50
3. Cost of layer feed (Rs. per kg.)	...	7.00
4. Cost of medicines, vaccines, litter and misc. charges upto laying (Rs. per bird per week)	...	0.50
5. ....do..... during laying .....do.....	...	0.35
6. Insurance of birds (Rs. per bird)	...	2.00
7. Insurance of sheds (Rs. per 1000/- per annum)	...	5.05
8. Sale price of eggs (Rs.)	...	1.50
9. Sale price of culled birds (Rs. per bird)	...	50.00
8. Sale price of manure (Rs. per ton)	...	200.00
9. Sale price of gunny bags (Rs. per bag)	...	10.00

ECONOMICS OF 500 BIRD LAYER UNIT

(Amount in Rs.)

INCOME	1 st yr.	2 nd yr.	3 rd yr.	4 th yrs.	5 th yr	6 th yr	7 th yr
1. Sale of birds	77220	190080	192060	196020	190080	190080	190080
2. Sale of culled birds	0	21600	21600	10800	21600	21600	21600
3. Sale of gunny bags	1140	2240	2240	2240	2180	2180	2180
4. Sale of manure	1080	2160	2160	2160	2160	2160	2160
TOTAL	79440	216080	218060	211220	216020	216020	216020

EXPENDITURE	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yrs.	6th yr.	7th yr.
1. Cost of day old chicks	7800	7800	7800	7800	7800	7800	7800
2. Cost of feed							
a. Upto laying	31875	31875	31875	31875	31875	31875	31875
b. During laying	49140	120960	122220	124740	120960	120960	120960
3. Cost of medicines, vaccines and misc. charges.							
a. Upto laying	5000	5000	4875	4875	4875	5000	5000
b. During laying	3276	8064	8148	8316	8064	8064	8064
4. Insurance of birds	1040	1040	1040	1040	1040	1040	1040
5. Insurance of sheds	391	391	391	391	391	391	391
TOTAL	98522	175130	175552	178240	174208	175130	175130
GROSS SURPLUS	-19082	40950	42508	32980	41812	40890	40890

FINANCIAL ANALYSIS

COST	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr.	6th yr.	7th yr.
1. Capital cost	84170	--	--	--			
2. Recurring cost	98522	175130	175552	178240	174208	175130	175130
TOTAL COST	182692	175130	175552	178240	174208	175130	175130
1. INCOME	79440	216080	218060	211220	216020	216020	216020
2. Salvage value							22800
TOTAL BENEFIT	79440	216080	218060	211220	216020	216020	238820
NET BENEFIT	-103252	40950	42508	32980	41812	40890	63690

NPW @ 15% D.F. ... 50395 (+)
BCR @ 15% D.F. ... 1.07 : 1.00
IRR ... 33.13 %

REPAYMENT PERIOD : 7 YEARS WITH ONE YEAR GRACE PERIOD

(SOURCE - NABARD)