

Beekeeping Apiary Unit Model Project

I. Medium Scale Apiary Unit (50 Bee Colonies)

1. Name of the industry/ activity	Beekeeping			
2. Employment(F.T)	2 (two)			
3. Production capacity	Apiscerana		Apismellifera	
	Qnt.	Amount	Qnt.	Amount
Honey @ Rs.160/kg	500	80, 000	1, 250	2,00,000
Wax @ Rs.260/kg	4	1,040	10	2,600
Division @ Rs.1000 A.C @ Rs.2500 A.M	25	25, 000	25	62, 500
TOTAL		1,06,040		2,65,100

1. Capital requirement: Equipment's and implements (Amount in Rupees)

Item.	Qty. Needed	Rate Cerana	Rate Mellifera	Amount ApisCera na	AmountA ApisMell ifera
1	2	3	4	5	6
Beehives With super	50	1,000	2,000	50,000	1,00,000
Nucleus Box	25	700	1,200	17,500	30,000
Hive Stand	75	150	200	11,250	15,000
Ant Well	300	20	20	6,000	6,000
Queen Gate	100	40		4,000	
Queen excluder sheet	50	--	150	--	7,500
Feeder Frame	75	50	75	3,750	5,625
Hive Tool	2	100	100	200	200
Swarm net	2	150	150	300	300
Bee veil	4	150	150	600	600
Smoker	2	250	250	500	500
Honey Extractor S.S	1	5,000	7,000	5,000	7,000
Bee Colonies	50	1,000	2,500	50,000	1,25,000
Wire embedar	1	500	500	500	500
Misc.Equipment	1	500	500	500	500
Honey/Sugar Storage Drums	1+1	1,000	1,000	2,000	2,000
TOTAL				1,52,100	3,07,025

2. Consumables	ApisCerana Rs.	Apismellifera Rs.
Comb foundation sheet @ Rs.400, 4 Kg. for Cerana and 30 Kg. for Mellifera	1,600	12,000
Sugar for feeding 100 Kg. and 200 Kg. @ Rs.35/-	3,500	7,000

Migration for survival and pollination	5,000	20,000
Misc.	500	1,000
TOTAL	10,600	40,000

3. Wages

Apiary beekeepers(1) Rs.250 per day	75,000	75,000
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4. Depreciation @10%	15, 200	30, 000
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ECONOMICS

5. Fixed Working capital

a) Insurance @ 1 per cent	1, 500	3, 000
b) Interest on term loan @ 13% as per bank norms	19, 500	39, 000

TOTAL	21, 000	42, 000
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Fixed working capital requirement for one operating cycle	21, 000	26, 000
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6. VARIABLE WORKING CAPITAL

a) wages of apiary keepers	75,000	75,000
b) Consumables	10, 600	40, 000
c) Interest of working capital @ 16%	3, 424	6, 400

Total

	89, 000	1, 21, 400
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Variable working capital requirement for one operating cycle (25 per cent)	22, 250	30, 350
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Total working capital	43, 650	56, 250
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Funds requirement	1, 95, 750	3, 63, 200
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Own contribution 10%	19, 575	36, 300
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(Term loan and working capital one cycle) Bank loan(90 per cent)	1, 76, 175	3, 26, 900
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Cost Analysis(80 percent capacity utilization)

a) Fixed costs(interest)	21, 000	42, 000
b) Variable costs (wages + consumable)80% percent	71, 200	97, 000
c) Cost of production (a+b)	92, 200	1, 39, 000
d) Estimated sales realization (80%)	84, 800	2, 12, 000
e) Gross surplus(d-c)	7, 400	73, 000
f) Interest and depreciation	--	40, 000
g) Net surplus(e-f)	7, 400	33, 000
h) Disposable surplus(Net surplus + Depreciation)	7, 400	63, 000
