

**GOVERNMENT OF NAGALAND
DIRECTORATE OF AGRICULTURE
NAGALAND: KOHIMA**

NO.AGR/PLN/SoF/2024/ 6228

Dated Kohima, the 04th April 2024.

To,

The Managing Director & Member Secretary, SLTC
Nagaland State Co-operative Bank Ltd.
HO: Dimapur

Sub: Scale of Finance / Estimated Economic Cost of Cultivation of various crops & Livestock for the year 2024-25.

Sir,

With reference to the subject cited above, I am to forward herewith the estimated economic cost of cultivation (Scale of Finance) of various crops including SoF of working capital for Animal Husbandry, Fisheries, Lac Farming/cultivation, Mulberry farming, Sericulture/Silkworm rearing & Beekeeping for the year 2024-25.

This is for favour of further necessary actions.

Enclosed:

1. Scale of Finance
2. Minutes of Meeting
3. Attendance Sheet

Yours faithfully,



(M. BEN YANTHAN)

Director of Agriculture & Chairman SLTC
Nagaland: Kohima

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DIRECTORATE OF AGRICULTURE
NAGALAND: KOHIMA**

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Director of Agriculture & Chairman SLTC
Nagaland: Kohima

o/c

**MINUTES OF THE MEETING OF STATE LEVEL TECHNICAL COMMITTEE (SLTC)
SCALE OF FINANCE (SoF) FOR FY 2024-25
VENUE : CONFERENCE HALL, DIRECTORATE OF AGRICULTURE**

Date : 28.03.2024

Time : 11:00 A.M.

The State Level Technical Committee (SLTC) meeting for fixation of Scale of Finance (SoF) for FY 2024-25 was held on 28.03.2024 at 11:00 a.m at the Conference Hall of the Directorate of Agriculture under the Chairmanship of Shri. M. Ben Yanthan, Director of Agriculture.

The Chairperson welcomed the members and participants and he noted the importance of conducting this meeting before the onset of monsoon in order to avail KCC loan on time. He appraised the house the SoF received from Agriculture, Horticulture, Sericulture, NBHM, AH & VS, Fisheries department and urged the members to actively participate in the meeting and to contribute available ideas and suggestions. The chairperson requested the initiation of the presentation which was presented by Shri. Ketsukha Kath, Joint Director of Agriculture.

A brief presentation on the recommended SoF for FY 2024-25 are as follows:

For Agricultural crops:No revised rate for WTRC Paddy, Jhum Paddy, Maize, Wheat, Sunflower, Soyabean, Field Pea, Potato, Ginger, Sugarcane (Plant), Sugarcane (Ratoon), Tapioca, Foxtail millet. Hence, the SoF remains unchanged from previous FY 2023-24.

Linseed : Enhancement in cost of biofertilizer . SoF revised from Rs.12880per acre during FY 2023-24to Rs. 13380 per acre for FY 2024-25.

Mustard : Enhancement in cost of FYM. SoFfrom Rs. 11880 per acre during FY 2023-24 to Rs. 13380/- for FY 2024-25

Rajmah (Kholar) :SoF revised from Rs. 15320per acre during FY 2023-24 to Rs. 16320 per acre for FY 2024-25 with revision in Labour inputs (Harvesting, shelling, cleaning etc) & Plant protection measures.

Turmeric : Enhancement in Labour Inputs. SoF revised from Rs. 36500 per acre during 2023-24 to Rs. 41500 per acre for FY 2024-25.

Jobstear : Cost of Cultivation almost remains the same except for slight enhancement in seed rate, i.e., from Rs.440/acre to Rs. 640/acre. SoF proposed for Rs. 20640/acre for FY 2024-25.

Tea: A new addition incorporated in SoF for agricultural crop this FY 2024-25. Estimated cost of cultivation is Rs. 63400/acre. Net income is showing negative during the initial years upto the 4th year of plantation, being a long duration crop. From 4th year, break even point may be expected.

In regard to SoF for Tea, Shri. M Ben Yanthan, the Director of Agriculture remarked that during the past, assistance was provided by the Tea Board of India but since last 10 years or so there has been no assistance. However due to the potential of tea production, Small Scale Tea Development under RKVY is been taken up by the department and the crop being a long duration crop and one time investment, any farmer interested in taking up tea cultivation should be encouraged as it will yield benefit in the long run.

For Horticulture crops:

From Horticulture Department, the SoF for FY 2024-25for all the horticultural crops, i.e., vegetables (Cabbage, cauliflower, broccoli ,knol-khol etc), banana (without irrigation), pineapple,

chilli, brinjal, garden pea, king chilli, French bean, tree tomato remains the same with the previous year. No enhancement SoF for FY 2024-25.

For banana and Tree tomato- land preparation and layout to be elaborate technically.

Sericulture :

The proposed SoF for Muga and Eri Plantation were submitted for FY 2024-25. Here, the Joint Director of Sericulture, pointed out that 90% of farmers favour Eri and Muga Plantation therefore the SoF considering this fact was prepared and proposed accordingly taking into account the favour from the farming sector.

Nagaland Beekeeping & Honey Mission:

Cost Benefit Analysis of 1 unit beekeeping (*Apis cerana*) Indigenous bee species was submitted and discussed on. The house agreed upon the laid out plan.

Animal Husbandry & Veterinary Services:

SoF for the FY 2024-25 under Animal Husbandry & Veterinary Sciences was laid out and presented by the Joint Director, Vety & AH.

One concern raised was regarding the difficulty of genuine farmers in availing bank loans. Member from NSCMB Ltd. stated that there was no objection or hesitation in providing loan to genuine farmers. However only Marginal and backyard farmers approach in availing loan and most farmers do not opt for commercial farming. Therefore, it is not encouraged by the bank to finance large amount of loan for marginal and backyard farming purpose.

Fishery & Aquatic Resources:


The representative from the department was not able to attend the SLTC meeting due to some other official obligations however they conveyed that the SoF for FY 2024-25 remains the same with the previous year FY 2023-24.

During the course of the meeting, the following deliberations and decisions were made:-

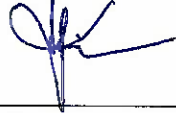
- To hold a proper sitting between the banks and AH&VS regarding financing loan to farmers which was agreed upon by both members.
- In the next meeting for SoF, following entities be invited -State Agriculture University, ICAR, Principal IETC, DAO, DVO, DHO, DFO from nearby districts.
- GM, NABARD suggested preparation of potential credit plan 1 year ahead as SoF & Unit Cost are important pillars and forms the basis where projection is made for the farmers to receive financial assistance, therefore is very imperative. He also requested all the HODs of Agri & Allied and the members to attend the SLBC meeting.
- Suggested to include seasonality of the crops for the next SoF.
- HOD & one Joint Director from Allied department to attend related meetings to add their valuable suggestions as it would be very productive and would add leverage.





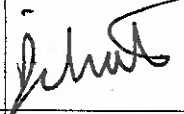



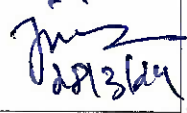




The meeting ended with a vote of thanks proposed by Director.

Altogether 28 participants were present in the meeting (Attendance record enclosed).


Director of Agriculture
Nagaland : Kohima

Meeting attendance for State Level Technical Committee (SLTC) for the FY 2024-25 on 28th March 2024 at Conference Hall of Directorate of Agriculture at 11:00 am

Sl.no	Name of the Officer	Designation & Contact No.	Department	Signature
1	M. Ben Yanthan	Director Agriculture	Agri.	
2	C. Peter Yanthan	Asst. Director	Agri.	
3	P. Bulke	DCM	NABARD	
4	K. Rumpherson Wlba	Asst. Director	Agriculture	
5	Dr. Tajumyuba	Dy. Director	AA & Vety Services	
6	Ketsikka Rath	Jt. Director	Agri.	
7	Dr. James K Chawang	Dy. Director	Agri	
8	C. ALEM YANGER	DY. DIR. AGR	AGRICULTURE	
9	DR. BEREM SUNGLA	Dy. Dir. Agri	Agriculture	
10	Tahimongba	Jt. DIR	Horticulture	
11	Saniyo Nienu	Jt. Director	Agriculture	
12	Khriesezolie Kire	JDA	Agriculture	

13	Sajevonuo	Dp Dr 8575922589	Agri	
14	AMONGUA C	Dy. Dir 9436017533	Agri	
15	Zachiveli K Dolie	Jt. Director	Sociologists	
16	Nailole Dago	D D (Stat)	Agri	
17	PIKATO V SIMO	Dy D.A.	Agri	
18	Z. Hukhato Some	Jt. Director	Agri	
19	Thungchikeri	HI	Hosti	
20	Ani Medovile hadu	Jt. Dir. (Agri)	Agriculture	
21	viwheto Thorie	Deputy Director	Agriculture	
22	Mhaikung Khuvung	AGM	NSCB	
23	Neitsote Thopi	Manager (FS)	NSCB HO	
24	Rorchand K	Sms (Agri)	Agri.	
25	NZANBEMO. K-LOTHA	NODAL OFFICER & TEAM MEMBER	NBHM	
26				

27				
28				
29				
30				

AGRICULTURE

**Economic Cost of Cultivation of Various Crops grown in Nagaland
(Scale of Finance 2024-25)**

1. Cost of cultivation of WTRC Paddy per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Preparation of nursery bed	2	500/-per manday.	1000
2	Preparatory tillage,puddling,bunding etc	12		6000
3	Transplanting	8		4000
4	Interculture operations	8		4000
5	Harvesting,bundling,threshing,winnowing etc	12		6000
	Sub-total:-	42		21000
	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	15	45	675
2	Cost of FYM,Bio fertilizer		LS	2500
3	Plant protection measures		LS	1500
	Sub-total:-			4675
Total cost of cultivation (A+B)				25675
	Particulars			Amount
C	Gross Income			
1	Yield per Acre (Qtls)	13		
2	Rate per quintal		2500	
	Total gross income			32500
D	Net Income(Gross Income - Cost of Cultivation)			6825
E	Benefit-Cost Ratio: (Gross Income/ Total Cost of Cultivation):			1:1.26
Year	Scale of Finance	Cash	Kind	Total
2023-24	Previous Rate	21000	4675	25675
2024-25	Revised Rate	21000	4675	25675

2. Cost of Jhum Paddy cultivation per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Jungle clearing	15	500/-per manday	7500
2	Field preparation	8		4000
3	Sowing	8		4000
4	Weeding (3 times)	18		9000
5	Harvesting/threshing/winnowing	10		5000
	Sub-total:-	59		29500
	Particulars			
B	Material Inputs	Unit(Kg)	Rate(Rs)	Amount
1	Cost of seeds	15	45	675
2	Cost of FYM,Bio fertilizer			0
3	Plant protection measures		LS	2000
	Sub-total:-			2675
	Total cost of cultivation (A+B)			32175
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	12		
2	Rate per quintal		3500	
	Total gross income			42000
D	Net Income (Gross Income - Cost of cultivation)			9825
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:1.30
Year	Scale of Finance	Cash	Kind	Total
2023-24	Previous Rate	29500	2675	32175
2024-25	Revised Rate	29500	2675	32175

3. Cost of cultivation of Maize per Acre

Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	10	500/- per manday	5000
2	Sowing of seeds	2		1000
3	Interculture operations	5		2500
4	Harvesting, picking of cobs	6		3000
5	Shelling/cleaning	4		2000
	Sub-total:-	38		13500
	Particulars	Unit (Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	10	160	1600
2	Cost of FYM, Bio fertilizer		Ls	2500
3	Plant protection measures		Ls	2500
	Sub-total:-			6600
Total Cost of cultivation (A + B)				20100
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	10		
2	Rate per quintal		3000	
	Total gross income			30000
D	Net Income(Gross income-Cost of cultivation)			9900
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:1.50
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	13500	6600	20100
2024-25	Revised Rate	13500	6600	20100

4. Cost of cultivation of Wheat per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	6	500/- per manday	3000
2	Sowing of seeds	2		1000
3	Interculture operations	2		1000
4	Harvesting, bundling and transportation	8		4000
5	Threshing, winnowing etc	8		4000
	Sub-total:-	26		13000
	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	40	55	2200
2	Cost of FYM, Bio fertilizer		Ls	1600
3	Plant protection measures		Ls	1000
	Sub-total:-			4800
	Total cost of cultivation (A+B)			17800
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	10		
2	Rate per quintal		2700	
	Total gross income			27000
D	Net Income (Gross Income - Cost of cultivation)			9200
E	Benefit Cost Ratio (Gross Income/ Total Cost of Cultivation):			1: 1.51
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	13000	4800	17800
2023-24	Revised Rate	13000	4800	17800

5. Cost of cultivation of Sunflower per Acre

Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	8	500/- per manday	4000
2	Sowing of seeds	2		1000
3	Interculture operations	6		3000
4	Harvesting and storing	7		3500
	Sub-total:-	23		11500

	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	3.4	150	510
2	Cost of FYM, Bio fertilizer		Ls	2000
3	Plant protection measures		Ls	1000
	Sub-total:-			3510

Total cost of cultivation (A+B)

15010

	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	4		
2	Rate per quintal		10000	
	Total gross income			40000

D Net Income (Gross income - Cost of cultivation)

24990

E Benefit-Cost Ratio(Gross Income/ Total Cost of Cultivation):

1:2.66

Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	11500	3510	15010
2024-25	Revised Rate	11500	3510	15010

6. Cost of cultivation of Linseed per Acre				
	Particulars	Mandays	Rate(Rs)	Amount
SI.No	Labour Inputs			
A	Land preparation	8	500/- per manday	4000
1	Sowing of seeds	2		1000
2	Interculture operations	2		1000
3	Harvesting, threshing & winnowing	7		4000
	Sub-total:-	19		10000
	Particulars			
B	Material Inputs	Unit(Kg)	Rate(Rs)	Amount
1	Cost of seeds	8	110	880
2	Cost of FYM, Bio fertilizer		Ls	2000
3	Plant protection measures		Ls	500
	Sub-total:-			3380
Total cost of cultivation (A+B)				13380
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	4		
2	Rate per quintal		7000	
	Total gross income			28000
D	Net Income (Gross Income - Cost of cultivation)			14620
E	Benefit-Cost Ratio(Gross Income/ Total Cost of Cultivation) :			1:2.09
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	9500	3380	12880
2024-25	Revised Rate	10000	3380	13380

7. Cost of cultivation of Mustard per Acre				
	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	6	500/-per manday.	4000
2	Sowing of seeds	1		1000
3	Interculture operations	2		1000
4	Harvesting, bundling, threshing, winnowing etc	8		4000
	Sub-total:-	17		10000
	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	4	145	580
2	Cost of FYM, Bio fertilizer		LS	2000
3	Plant protection measures		LS	800
	Sub-total:-			3380
Total cost of cultivation (A+B)				13380
	Particulars			Amount
C	Gross Income			
1	Yield per Acre (qtls)	4		
2	Rate per quintal		9000	
	Total gross income:-			36000
D	Net Income(Gross Income - Cost of Cultivation)			22620
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:2.69
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	8500	3380	11880
2024-25	Revised Rate	10000	3380	13380

8. Cost of cultivation of Soya bean per Acre

Sl.No.	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	8	500/- per manday	4000
2	Sowing of seeds	4		2000
3	Interculture operations	8		4000
4	Harvesting,shelling,cleaning etc	10		5000
	Sub-total:-	30		15000
	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	20	150	3000
2	Cost of FYM,Bio fertilizer			0
3	Plant protection measures		Ls	2500
	Sub-total:-			5500
	Total cost of cultivation (A + B)			20500
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	6		
2	Rate per quintal		9000	
	Total gross income			54000
D	Net Income (Gross income - Cost of cultivation)			33500
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation) :			1:2.63
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	15000	5500	20500
2024-25	Revised Rate	15000	5500	20500

9. Cost of cultivation of Kholar(Rajma) per Acre				
Sl.No.	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	8	500/- per manday	4000
2	Sowing of seeds	2		1000
3	Interculture operations	6		3000
4	Harvesting,shelling,cleaning etc	8		4000
	Sub-total:-	24		12000
	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	14	130	1820
2	Cost of FYM,Bio fertilizer		Ls	0
3	Plant protection measures		Ls	2500
	Sub-total:-			4320
	Total cost of cultivation (A + B)			16320
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	5		
2	Rate per quintal		12000	
	Total gross income			60000
D	Net income (Gross Income - Cost of cultivation)			43680
E	Benefit Cost Ratio (Gross Income/ Total Cost of Cultivation) :			1:3.67
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	12000	3320	15320
2024-25	Revised Rate	12000	4320	16320

10. Cost of cultivation of Field Pea per Acre

Sl.No.	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	8	500/- per manday	4000
2	Sowing of seeds	2		1000
3	Interculture operations	6		3000
4	Harvesting,shelling,cleaning etc	7		3500
	Sub-total:-	23		11500

	Particulars	Unit	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds(Kg)	24	125	3000
2	Cost of FYM,Bio fertilizer		Ls	0
3	Plant protection measures		Ls	2500
	Sub-total:-			5500
	Total cost of cultivation (A + B)			17000

	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	6		
2	Rate per quintal		9000	
	Total gross income			54000

D	Net Income (Gross income - Cost of cultivation)			37000
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E	Benefit Cost Ratio (Gross Income/ Total Cost of Cultivation) :			1:3.177
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Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	11500	5500	17000
2024-25	Revised Rate	11500	5500	17000

11. Cost of cultivation of Potato per Acre				
Sl.No.	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	12	500/- per manday	6000
2	Sowing of seeds	8		4000
3	Interculture operations	12		6000
4	Harvesting, cleaning, etc.	12		6000
	Sub-total:-	44		22000
Sl.No.	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds	900	60	54000
2	Cost of FYM, Bio fertilizer		Ls	4000
3	Plant protection measures		Ls	2500
	Sub-total:-			60500
	Total cost of cultivation (A+B)			82500
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	75		
2	Rate per quintal		3000	
	Total gross income			225000
D	Net Income (Gross Income - Cost of cultivation)			142500
E	Benefit Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:2.72
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	22000	60500	82500
2024-25	Revised Rate	22000	60500	82500

12. Cost of cultivation of Ginger per Acre				
Sl.No.	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	12	500/- per manday	6000
2	Planting of Rhizome	7		3500
3	Interculture operations	10		5000
4	Harvesting, cleaning and storing	14		7000
	Sub-total:-	43		21500
	Particulars	Unit(Kg)	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds rhizomes	700	60	42000
2	Cost of FYM, Bio fertilizer		Ls	4000
3	Plant protection measures		Ls	2500
	Sub-total:-			48500
Total cost of cultivation (A+B)				70000
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	60		
2	Rate per quintal		2000	
	Total gross income			120000
D	Net Income (Gross Income - Cost of cultivation)			50000
E	Benefit-Cost Ratio (Gross Income/ Total cost of cultivation):			1:1.71
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	21500	48500	70000
2024-25	Revised Rate	21500	48500	70000

13. Cost of cultivation of Sugar cane(Plant) per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	15	500/- per manday	7500
2	Planting of setts	8		4000
3	Interculture operations	10		5000
4	Harvesting and cleaning	20		10000
	Sub-total:-	53		26500
	Particulars			
B	Material Inputs	Unit	Rate(Rs)	Amount
1	Cost of setts	3200	12	38400
2	Cost of FYM,Bio fertilizer		Ls	1800
3	Plant protection measures		Ls	600
	Sub-total:-			40800
Total cost of cultivation (A+B)				67300
	Particulars			
C	Gross Income			Amount
1	Yield per Acre(Qtls)	140		
2	Rate per quintal		800	
	Total gross income			112000
D	Net Income (Gross Income - Cost of cultivation)			44700
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1: 1.66
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	26500	40800	67300
2024-25	Revised Rate	26500	40800	67300

14. Cost of cultivation of Sugar cane (Ratoon) per Acre				
Sl.No	Particulars	Manday	Rate(Rs)	Amount
A	Labour Inputs			
1	Interculture operations	12	500/- per manday	6000
2	Harvesting	20		10000
	Sub-total:-	32		16000
	Particulars	Unit	Rate(Rs)	Amount
B	Material Inputs			
1	Setts for replacement and gap filling	160	12	1920
2	Cost of FYM, Bio fertilizer		Ls	3000
3	Plant protection measures		Ls	600
	Sub-total:-			5520
Total cost of cultivation (A+B)				21520
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	120		
2	Rate per quintal		800	
	Total gross income			96000
D	Net Income (Gross Income - Cost of cultivation)			74480
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:4.46
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	16000	5520	21520
2024-25	Revised Rate	16000	5520	21520

15. Cost of cultivation of Topioca per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	10	500/-per manday	6000
2	Planting and covering	4		2000
3	Interculture operations	6		3000
4	Harvesting and storing	10		5000
	Sub-total:-	30		16000
	Particulars	Unit	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of stumps	4500	7	31500
2	Cost of FYM,Bio fertilizer		Ls	500
	Sub-total:-			32000
Total cost of cultivation (A+B)				48000
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Tuber) (Qtls)	60		
2	Rate per quintal		1500	
Total gross income				90000
D	Net Income (Gross Income - Cost of cultivation)			42000
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:1.87
Year	Scale of Finance:-	Cash	Kind	Total
2023-24	Previous Rate	16000	32000	48000
2024-25	Revised Rate	16000	32000	48000


16. Cost of Turmeric cultivation per Acre				
Sl.No.	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Land preparation	8	500/-per manday	6000
2	Sowing of seeds	4		2000
3	Interculture operation	8		4000
4	Harvesting, post harvest management	16		8000
	Sub-total:-	36		20000
	Particulars	Unit	Rate(Rs)	Amount
B	Material Inputs			
1	Cost of seeds(Kg)	600	25	15000
2	Cost of FYM, Bio fertilizer		Ls	4000
3	Plant protection measures		Ls	2500
	Sub-total:-			21500
	Total cost of cultivation (A+B)			41500
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	70		
2	Rate per quintal		1000	
	Total gross income:-			70000
D	Net Income (Gross Income - Cost of cultivation)			28500
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:1.68
Year	Scale of Finance	Cash	Kind	Total
2023-24	Previous Rate	18000	18500	36500
2024-25	Revised Rate	20000	21500	41500

17. Cost of Foxtail Millet cultivation per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Field preparation	8	500/- manday	4000
2	Sowing	8		4000
3	Weeding and thinning	8		4000
4	Harvesting/threshing/winnowing	12		6000
	Sub-total:-	36		18000
	Particulars			
B	Material Inputs	Unit(Kg)	Rate(Rs)	Amount
1	Cost of seeds	4	110	440
2	Cost of FYM,Bio fertilizer			0
3	Plant protection measures		LS	2000
	Sub-total:-			2440
	Total cost of cultivation (A+B)			20440
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	7		
2	Rate per quintal		5000	
	Total gross income			35000
D	Net Income (Gross Income - Cost of cultivation)			14560
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:1.71
Year	Scale of Finance	Cash	Kind	Total
2023-24	Previous Rate	18000	2440	20440
2024-25	Revised Rate	18000	2440	20440

18. Cost of Jobstar Millet cultivation per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Field preparation	8	500/- manday	4000
2	Sowing	8		4000
3	Weeding and thinning	8		4000
4	Harvesting/threshing/winnowing	12		6000
	Sub-total:-	36		18000
	Particulars			
B	Material Inputs	Unit(Kg)	Rate(Rs)	Amount
1	Cost of seeds	15	160	2400
2	Cost of FYM,Bio fertilizer			0
3	Plant protection measures		LS	2000
	Sub-total:-			4400
	Total cost of cultivation (A+B)			22400
	Particulars			Amount
C	Gross Income			
1	Yield per Acre(Qtls)	7		
2	Rate per quintal		5000	
	Total gross income			35000
D	Net Income (Gross Income - Cost of cultivation)			12600
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1:1.56
Year	Scale of Finance	Cash	Kind	Total
2024-25	Rate	18000	4400	22400

19. Cost of cultivation of Tea per Acre				
Sl.No	Particulars	Mandays	Rate(Rs)	Amount
A	Labour Inputs			
1	Jungle Clearance (Burning & removal of Stubbles)	10	500/- per manday	5000
2	Land preparation (Land Shaping & Pit Digging)	8		4000
3	Planting of seedlings	10		5000
4	Interculture operations	12		6000
5	Plucking	25		12500
6	Pruning & Cleaning	5		2500
	Sub-total:-	70		35000
	Particulars			
B	Material Inputs	Unit	Rate(Rs)	Amount
1	Cost of seedlings/cuttings	3200	7	22400
2	Cost of FYM,Bio fertilizer		Ls	4000
3	Plant protection measures		Ls	2000
	Sub-total:-			28400
Total cost of cultivation (A+B)				63400
	Particulars			
C	Gross Income			Amount
1	Yield per Acre(Qtls)	21		
2	Rate per quintal		2400	
	Total gross income			50400
D	Net income (Gross income - Cost of cultivation)			- 13000 **
E	Benefit-Cost Ratio (Gross Income/ Total Cost of Cultivation):			1: 0.79
Year	Scale of Finance:-	Cash	Kind	Total
2024-25	Rate	35000	28400	63400

Note: ** Initial years upto 4th Year


 Director of Agriculture
 Nagaland, Kohima

HORTICULTURE

HORTICULTURE DEPARTMENT

1. COST OF CULTIVATION OF CABBAGE/CAULIFLOWER/KNOL-KHOL/ VEGETABLES/BROCCOLI ETC. PER ACRE

Sl.No.	Particulars	Man days	Rate(Rs)	Amount (Rs)
A.	Labour Inputs			
1.	Land preparation	20	500/-per man day	10000
2.	Sowing of seeds	6		3000
3.	Interculture operations	9		4500
4.	Harvesting	6		3000
5.	Cleaning	4		2000
	Sub-total:-	45		22500

	Particulars	Unit	Rate(Rs)	Amount (Rs)
B.	Material Inputs			
1.	Cost of seeds(g)		Ls	4200
2.	Cost of FYM,Bio fertilizer		Ls	4000
3.	Plant protection measures		Ls	2000
	Sub-total:-			10200

Total cost of cultivation (A+B)				32700
	Particulars			Amount (Rs)
C.	Gross Income			
1.	Yield per acre(Qtls)	80Qtls		
2.	Rate per quintal		3000	
	Total gross income			240000
D.	Net Income (Gross Income - Cost of cultivation)			207300
E.	Benefit Cost Ratio (Gross Income/ Total Cost of Cultivation: 1:6.3			

Year	Scale of Finance:-	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	22500	10200	32700
2024-25	Revised rate	22500	10200	32700

2. COST OF CULTIVATION OF BANANA SUCKERS PER ACRE (WITHOUT IRRIGATION)

SL NO	PARTICULARS	MANDAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR & OPERATIONAL COSTS			
1.	Land preparation	10	500/-per man day	5000
2.	Planting	10		5000
3.	Intercultural Operations	15		7500
4.	Harvesting	10		5000
TOTAL		45		22500
B.	PLANTATION COST			
		UNIT	RATE(RS)	AMOUNT (RS)
1.	Cost of planting materials (Banana Suckers, Variety Cavendish) (Spacing -2m x 2m) inclusive of transportation cost.	1000	25	25000
2.	Cost of Organic Manures etc (INM)	1	4000	4000
3.	Cost of Organic pesticides etc (IPM)	1	4000	4000
TOTAL				33000
	TOTAL COST OF CULTIVATION (A + B)			55500
	PARTICULARS			AMOUNT (RS)
C.	Gross Income			
1.	Yield per Acre(qtl)	300		
2.	Rate per (qtl)		1000	
3.	Total Gross Income/Acre			300000
D.	Net Income/Acre		(Gross Return – Total Expenditure)	244500
E.	Benefit Cost Ratio (BCR)		Gross Income/ Total Cost of Cultivation	1:5.4
Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	22500	33000	55500
2024-25	Revised rate	22500	33000	55500

3. COST OF CULTIVATION OF PINEAPPLE PER ACRE (WITHOUT IRRIGATION)

SL. NO	PARTICULARS	MANDAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR & OPERATIONAL COSTS			
1.	Land preparation	20	500/-per man day	10000
2.	Planting	10		5000
3.	intercultural Operation	16		8000
4.	Harvesting	10		5000
	TOTAL	40		28000
B.	PLANTATION COST	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Cost of planting materials (Suckers, Giant Kew/Queen) (Spacing -0.6m x 0.3m) inclusive of transportation cost,	18000	1.5	27000
2.	Cost of Organic Manures etc (INM)	1	4000	4000
3.	Cost of Organic pesticides etc (IPM)	1	4000	4000
	TOTAL			35000
TOTAL COST OF CULTIVATION (A + B) =63000				
	PARTICULARS			AMOUNT (Rs)
C.	Gross Income			
1.	Yield per Acre (qtl)	100		
2.	Rate Per (qtl)		2500	
2.	Gross Income/Acre			250000
D.	Net Income/Acre	(Gross Return – Total Expenditure)		187000
E.	Benefit Cost Ratio (BCR)	Gross Income/ Total Cost of Cultivation		1:3.9
Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	28000	35000	63000
2024-25	Revised rate	28000	35000	63000

4. COST OF CULTIVATION OF CHILLI PER ACRE

SL. NO	PARTICULARS	MAN DAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR & OPERATIONAL COSTS			
1.	Nursery raising of seedlings	3	500/-per man day	1500
2.	Transplanting cost	6		3000
3.	Main field preparation & Layout	10		5000
4.	Intercultural Operations	6		3000
5.	Harvesting	4		2000
	TOTAL	29		14500
B.	MATERIAL INPUTS	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Planting material (seeds) (Pusajwala)	200gms	1600	3200
2.	Cost of Organic Manures etc (INM)	1	4000	4000
3.	Cost of Organic pesticides etc (IPM)	1	4000	4000
4.	Transportation	1	200	200
5.	Nursery (Shade net) installation cost	1	6000	6000
	TOTAL			17400
TOTAL COST OF CULTIVATION (A + B)				31900
	PARTICULARS			AMOUNT (Rs)
C.	Gross Income			
1.	Yield per Acre (Qtls)		30	
2.	Rate Per Qtls		2500	
3.	Gross Income/Acre			75000
4.	Net Income/Acre	(Gross Return – Total Expenditure)		43100
5.	Benefit Cost Ratio (BCR)	Gross Income/ Total Cost of Cultivation		1:2.3

Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	14500	17400	31900
2024-25	Revised rate	14500	17400	31900

5. COST OF CULTIVATION OF BRINJAL PER ACRE

SL NO	PARTICULARS	MANDAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR & OPERATIONAL COSTS			
1.	Nursery raising of seedlings	2	500/-per man day	1000
2.	Transplanting cost	3		1500
3.	Main field preparation & Layout	8		4000
4.	Intercultural Operations	4		2000
5.	Harvesting	4		2000
	TOTAL	21		10500
B.	MATERIAL INPUTS	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Planting material (seeds) (Pusa Purple Long)	200 gms	2	400
2.	Cost of Organic Manures etc (INM)	1	4000	4000
3.	Cost of Organic pesticides etc (IPM)	1	4000	4000
4.	Nursery (Shade net) installation cost	1	6000	6000
	TOTAL			14400
TOTAL COST OF CULTIVATION (A + B) =				24900
C.	PARTICULARS	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Yield per acre (qtl)		80	
2.	Rate Per (qtl)		1500	
2.	Gross Income/Acre			120000
3.	Net Income/Acre	(Gross Return – Total Expenditure)		95100
4.	Benefit Cost Ratio (BCR)	(Gross Income/Total Cost of Cultivation)		1:4.8
Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	10500	14400	24900
2024-25	Revised rate	10500	14400	24900

6. COST OF CULTIVATION OF GARDEN PEA PER ACRE

SL. NO	PARTICULARS	MANDAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR INPUTS			
1.	Land preparation	10	500/-per man day	5000
2.	Transplanting	10		5000
3.	Staking/ Intercultural Operations	10		5000
4.	Harvesting	8		4000
	TOTAL	38		19000
B.	MATERIAL INPUTS	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Planting material (seeds) (Arkel)	40 Kgs	190	7600
2.	Cost of Organic Manures etc (INM)		5000	5000
3.	Cost of Organic pesticides etc (IPM)		4000	4000
	TOTAL			16600
TOTAL COST OF CULTIVATION (A + B) =				35600
SL. NO	PARTICULARS			AMOUNT (RS)
1.	Yield per acre (qtl)	60		
2.	Rate Per (qtl)		2000	
3.	Gross Income/acre			120000
4.	Net Income/acre	(Gross Return – Total Expenditure)		84400
5.	Benefit Cost Ratio (BCR)	Gross Income/Total Cost of cultivation		1:3.3

Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	19000	16600	35600
2024-25	Revised rate	19000	16600	35600

7. COST OF CULTIVATION OF KING CHILLI PER ACRE

SL NO	PARTICULARS	MANDAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR & OPERATIONAL COSTS			
1.	Nursery raising of seedlings	2	500/-per man day	1000
2.	Transplanting cost	4		2000
3.	Main field preparation & Layout	10		5000
4.	Intercultural Operations	4		2000
5.	Harvesting	4		2000
TOTAL		24		12000
B.	MATERIAL INPUTS	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Planting material (seeds) (King Chilli)	140 gms	50	7000
2.	Cost of Organic Manures etc (INM)	1	4000	4000
3.	Cost of Organic pesticides etc (IPM)	1	4000	4000
4.	Nursery (Shade net) installation cost	1	4000	4000
TOTAL				19000
TOTAL COST OF CULTIVATION (A + B) =				31000
SL. No	PARTICULARS			AMOUNT (RS)
1.	Yield per Acre (qtl)	6 Quintals (Fresh)		
2.	Rate Per (qtl)	20000		
2.	Gross Income/Acre(qtl)			120000
3.	Net Income/Acre	(Gross Return – Total Expenditure)		59000
4.	Benefit Cost Ratio (BCR)	Gross Income/ Total Cost of Cultivation		1:3.8

Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	12000	19000	31000
2024-25	Revised rate	12000	19000	31000

8. COST OF CULTIVATION OF FRENCH BEAN PER ACRE

SL. NO	PARTICULARS	MANDAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR INPUTS			
1.	Land preparation & Layout	20	500/-per man day	10000
2.	Staking/ Intercultural Operations	8		4000
3.	Harvesting	8		4000
TOTAL		36		18000
B.	MATERIAL INPUTS	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Planting material (seeds) (Contender)	30 Kgs	242	7260
2.	Cost of Organic Manures etc (INM)	1	2000	2000
3.	Cost of Organic pesticides etc (IPM)	1	4000	4000
TOTAL				13260
TOTAL COST OF CULTIVATION (A + B) =				31260
SL. NO	PARTICULARS			AMOUNT (RS)
1.	Yield per acre (qtl)		25	
	Rate Per (qtl)		3000	
2.	Gross Income/Acre			75000
3.	Net Income/Acre	(Gross Return – Total Expenditure)		43740
4.	Benefit Cost Ratio (BCR)	Gross Income/ Total cost of cultivation		1:2.3

Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	18000	13260	31260
2024-25	Revised rate	18000	13260	31260

9. COST OF CULTIVATION OF TREE TOMATO PER ACRE

SL. NO	PARTICULARS	MANDAYS	RATE (RS)	AMOUNT (RS)
A.	LABOUR & OPERATIONAL COST			
1.	Main Field preparation & layout	8	500/-per man day	4000
2.	Intercultural operation	6		3000
3.	Harvesting	5		2500
TOTAL		19		9500
B.	PLANTATION COST	UNIT (NOS)	RATE (RS)	AMOUNT (RS)
1.	Cost of planting materials (Seedlings) inclusive of transportation charges	250 Nos	25	6250
2.	FYM/ Bio fertilizer and Bio Pesticides		4000	4000
TOTAL				10250
	Total cost of cultivation (A+B)			19750
C.	GROSS INCOME			
1.	Yield per Acre (qtl)		30	
2.	Rate Per qtl		4000	
3.	Gross Income/ Acre			120000
4.	Net Income/ Acre	(Gross return- total expenditure)		100250
5.	Benefit Cost Ratio	Gross Income/Total cost		1:6
Year	Scale of Finance	Cash (Rs)	Kind (Rs)	Total (Rs)
2023-24	Previous rate	9500	10250	19750
2024-25	Revised rate	9500	10250	19750

Sd/-

(TALIMONGBA)

Joint Director

Directorate of Horticulture

Nagaland: Kohima

SERICULTURE

Unit Cost for Development of 1(one) Acre of Muga Plantation, Establishment of Mounting Hall, & Rearing of Silkworm:

#	Components	Unit	Unit Cost (Rs)
A	Support to Individual Sericulturists		
i	Support for raising of 1(one) acre of Muga plantation	Acres	40000
ii	Rearing and mounting equipments	Acres	37,500
iii	Establishment of Mounting Hall for muga rearing	Nos.	75,000
	Total		1,52,500

Unit Cost Augmentation of 1 acre Muga Plantation with supply of start up tools

#	Particulars / Activities	Units	M days	Quantity/Rate		Financial
				Qty	Rate	
A.	Raising of Plantation					
1	Land development using tractor	LS	7		500	3500
2	Cost of host plant seedlings including 10% mortality			500	6	3000
3	Cattle proof trench	mtr		40	250	10000
4	Pit digging	No.	8		500	4000
5	Cost of vermicompost	kg		8	200	1600
6	Farm yard manure	cft		200	10	2000
7	Cost of anti-termite treatment	LS				500
8	Transportation of seedlings	LS				1000
9	Filling of pits and transplantation of seedlings	No.	2		500	1000
10	Application of organic fertilizers	Mdays	2		500	1000
11	Cost of seed for intercropping/bund crop	LS				1500
13	Miscellaneous	LS				900
	Sub-Total A					30,000
B	Maintenance cost/year					
1	Vermicompost	kg	8		180	1440
2	Cost of anti-termite treatment	LS				500
3	Insecticides/ pesticides	LS				700
4	Application of Vermicompost & fertilizers	Man day	290		4	1160
5	Farm yard manure	cft	10		225	2250
6	Application of Vermicompost & fertilizers	Man day	290		4	1160
7	Basin formation and weeding (twice /year)	No.	2		900	1800
8	Miscellaneous	LS				990
	Sub-Total B					10,000
	Total cost for 1 acre plantation (A+B)					40,000

Annexure-2

Unit Cost for Rearing and mounting equipment

#	Particulars	Unit	Quantity	Rate	In Rs.
					Amount
	Rearing				
1	Nylon Rearing net (40' x 30')	No.	4	7500	30000
2	Plastic Basket	No.	2	300	600
3	Knapsack Sprayer for application of insecticides	No.	1	5000	5000
4	Prunning saw	No.	1	400	400
5	Secateur	No.	1	350	350
6	Pick Axe	No.	1	300	300
7	Bleaching powder & disinfectants	LS			850
	Sub-Total				37500

Annexure-3

Unit cost for establishment of Mounting Hall for Muga Rearing

Amount in Rupees

#	Particulars	Unit	Quantity	Rate	Amount
1	Mounting hall-cum-watch & ward shed				
i	Land development	m/days	6	500	3000
ii	Timber/ bally post	LS			15000
iii	Bally post	No	8	800	6400
iv	GI sheet	Bundle	5	5200	26,000
v	Timber	LS			10,000
	Sub-total				60,400
2	Box type mountage	No.	24	450	10800
3	Solar lantern	No.	1	4200	4200
	Total				75400

(Say Rs. 75,000)

Sd/-
Joint Director of Sericulture
Department of Sericulture
Nagaland, Kohima

Unit Cost for Development of 1(one) Acre of Eri Plantation, Establishment of Rearing House & Rearing of Silkworm:

#	Components	Unit	Unit Cost (Rs)
	Support to Individual Sericulturists		
i	Support for raising of Eri Plantation	Acres	40000
ii	Supply of Rearing Appliances	Acres	20,000
iii	Establishment of Rearing House	Nos.	100000
	Total		1,60,000

Details of Unit Cost enclosed at Annexure 1- 3

Annexure -1

Support for raising of 1(one) acre Eri plantation:

To raise 1(one) acre of eri silkworm food plantation, Individual farmer shall have to develop one acre by way of jungle clearance through utilizing family mandays –pit digging with spacing of 3 x 3 mt between kesseru plants and 3x3 ft for intercropping with castor/tapioca plantation. Each Sericulturist will plant 500 Kesseru seedlings (with 10% mortality) in 1 acre of land by following the recommended package of practices with a unit cost of Rs. 40000/- per acre. Break –up of unit cost is given below:

#	Particulars/Activities	Unit	Wages/ rate	Labour		Material		Total amount (Rs)
				No. of Man days	Amount (Rs)	No .	Amount (Rs)	
A	Labour component							
1	Land clearing	Acre	500	15	7500			7500
2	Soil conservation							
	a. Staggered trench (2 ft x1.5 ft x1 ft = 3 cft) of 6' length -120 no. /ha	Acre	500	7	3500			3500
	b. Cattle proof trench (5ft x 3 ft x3 ft = 45 cft)-100 ft	Acre	500	7	3500			3500
3	Pit digging (1 ft x 1 ft x 1 ft = 1 cft) – B15450 no.	m3	500	9	4500			4500
4	Transplantation	m3	500	3	1500			1500
6	Application of organic fertilizers	No.	500	2	1000			1000
7	Basin formation and weeding	No.	500	4	2000			2000
8	Disease & pest management	No.	500	2	1000			1000
9	Cultivation of bund crop	No	500	8	4000			4000
	Sub-total			57	28,500			28,500
B.	Material Cost							
1	Cost of Kesseru seedlings incl.10% mortality @ Rs.3	No.	8			500	4000	4000
2	Cost of FYM compost @ 0.50 kg/ plant	cft	25			200 cft	5000	5000
3	Cost of farm implements	LS					2000	2000
4	Seed material for bund crop/intercrop	LS					500	500
	Sub-total						11,500	11,500
	Total				28,500		11,500	40,000

Annexure-2**Support for Rearing Appliances for 1(one) acre plantation:**

Supply of rearing appliances is an important component for undertaking silkworm rearing and cocoon production. Various equipment and appliances are used in silkworm rearing to enhance productivity and reduce labour requirement. The appliances used in silkworm rearing differ from place to place and also according to the system of rearing and harvest. The component will support to promote labour saving rearing appliances and mounting equipments and other devices to improve hygiene in order to reduce family labour and dependency on hired labour with high productivity with unit cost of Rs. 27,400/- as given below:

Amount in Rupees

#	Particulars	Unit	Quantity	Rate	Amount
1	Hand Compression Sprayer	No.	1	1800	1800
2	Plastic Rearing Trays - for brushing & Chawkie rearing	No.	20	450	9000
3	Plastic mountages	No.	20	155	3100
4	Leaf Preservation Chamber	LS	1	-	2000
5	Plastic crates for collection of cocoon	No.	5	750	3750
5	Bed disinfectants	LS	-	-	350
	Cost of Start up tools				20,000

Annexure-3

Establishment of Rearing House:

For qualitative and quantitative production of cocoons , Eri silkworms require utmost care during rearing and spinning of cocoons. Silkworms are more sensitive to climatic variations, and hence there is a need to have a separate rearing house with adequate rearing space, sufficient aeration and light. This would also ensure effective disinfection and maintenance of required humidity, temperature and hygienic conditions that contribute to good cocoon harvests. For conducting rearing by the farmer having 1(one) acre of plantation , it requires to establish rearing house measuring 25 x 15 sq ft. with unit cost of Rs. 1,00,000/- with locally available materials comprising timber, bally post, GI sheet with floor plaster . with the establishment of rearing house, the farmer can conduct 4-5 crops per year.

Unit cost for establishment of Eri Rearing House:

#	Particulars/item	Unit	Quantity	Rate	Amount
1	Earth Filling (2.5 Ft ht)	M/days	6	500	3000
2	Bally Post	Nos.	8	800	6400
3	Bamboo split wall	Sq. ft	640	22	14,080
4	Timber for building frame	LS			15,000
5	Cement for flooring	Bags	5	550	2750
6	Sand for flooring	Cft	30	65	1950
7	Door Frame	Nos.	2	2000	4000
8	Window frame	Nos.	4	1400	5600
9	GI sheet for roofing(9ft x 2.3 ft)	Bundles	5	5200	26,000
10	Labour Charge	Mandays	25	500	12,500
11	Transportation cost	LS			8000
14	Misc.				720
	Total				100000

Sd/-

Joint Director of Sericulture
Department of Sericulture
Nagaland, Kohima

FISHERIES & AQUATIC RESOURCES

ECONOMIC COST OF CULTURE FOR COMPOSITE FISH CULTURE IN 1 (ONE) ACRE POND

Stocking of cultivable fishes of different species with different feeding habits in same pond is called Composite Fish Culture or Mixed fish farming. To obtain maximum yield of fish, it is essential to culture fast growing compatible species of different feeding habits. The mixed culture of three Indian Major Carps (IMC) viz. Catla (*Catla catla*), Rohu (*Labeo rohita*) and Mrigal (*Cirrhinus mrigala*) and three Chinese Exotic Carps. viz Silver carp (*Hypophthalmichthys molitrix*), grass carp (*Ctenopharyngodon idella*) and Common carp (*Cyprinus carpio*) is known as composite fish culture. This culture is highly profitable and one of the most ecologically sound fish culture practice which facilitates efficient utilization of all ecological zones within the pond environment enhancing the maximum standing crop which will enhance food and nutritional security by efficient utilization of available water area.

OPERATIONAL/RECURRING COST

Sl No	Items	Quantity(kg)	Unit	Rate/Unit (Rs.)	Amount (In Rs.)
1	Lime	200	kg	50.00	10000.00
2	Raw cow dung	4000	kg	2.00	8000.00
3	Fingerlings (6 species)	4000	nos	4.00	16,000.00
4	Formulated feed/Farm made feed	1200	kg	40.00	48,000.00
5	Prophylactic measures	LS @ Rs. 2000/acre			2000.00
6	Multiple Netting/Harvesting	LS @ Rs. 4000/acre			4000.00
7	Management cost	LS @ Rs. 4000/acre			4000.00
Total Amount					92,000.00

GROSS INCOME

ITEM	YIELD (IN KG)	RATE (PER KG)	AMOUNT (IN RS.)
FISHES	1000	220.00	2,20,000.00

ANNUAL NET BENEFIT

GROSS INCOME	TOTAL COST	NET BENEFIT
2,20,000.00	92,000.00	1,28,000.00

BENEFIT COST RATIO (GROSS INCOME/TOTAL COST OF CULTURE)

= 1:2.39


 Addl. Director
 Deptt. of Fisheries & Aquatic Resources
 Nagaland, Kohima
 Additional Director
 Fisheries & Aquatic Resources
 Kohima, Nagaland

**ECONOMIC COST OF CULTIVATION FOR PADDY CUM FISH
CULTURE IN 1 (ONE) ACRE AREA**

Paddy Cum Fish Culture (PFC) is the integration of fish farming with paddy. This system is profitable and sustainable, as two crops i.e. paddy and fish can be harvested from a unit cultivable area. The wet terrace rice fields where surface and ground water is sufficiently available can be utilized for development of PFC. This culture system is being practiced in the State since decades especially in the districts of Kohima and Phek. The adoption of PFC will open avenues for self-employment, supplement the income of the agriculture farmers and enhance fish production in the State.

OPERATIONAL/RECURRING COST

Sl. No	Items	Quantity	Unit	Rate/Unit (Rs.)	Amount (In Rs.)
1	Lime	50	kg	50.00	2500.00
2	Raw cow dung	2000	kg	2.00	4,000.00
3	Fingerlings (1 species namely common carp)	2500	nos	4.00	10,000.00
4	Formulated feed	60	kg	40.00	2,400.00
5	Prophylactic measures	LS @ Rs. 1000/acre			1,000.00
6	Multiple Netting/Harvesting	LS @ Rs. 1000/acre			1,000.00
Total Amount					20,900.00

GROSS INCOME

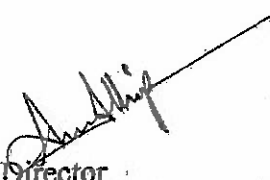
ITEM	YIELD (IN KG)	RATE (PER KG)	AMOUNT (IN RS.)
FISHES	200	220.00	44,000.00

ANNUAL NET BENEFIT

GROSS INCOME	TOTAL COST	NET BENEFIT
44,000.00	20,900.00	23,100.00

BENEFIT COST RATIO (GROSS INCOME/TOTAL COST OF CULTURE)

= 1:2.105


 Addl. Director
 Deptt. of Fisheries & Aquatic Resources
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 Additional Director
 Fisheries & Aquatic Resources
 Kohima, Nagaland

ANIMAL HUSBANDRY & VETY. SERVICES

SCALE OF FINANCE

For various Animal Husbandry Enterprises under Kisan Credit Card for the State of Nagaland for the FY 2024-25

A. Scale of Finance for Piggery:

Sl.No	Enterprise	Unit Size	Unit Cost	Working Capital (In Rupees)			Interpretation
				WC as percentage of UC	WC per Pig	WC per unit	
1	Backyard rearing	3(2F+1M)	1,68,000.00	20%	11,200.00	33,600.00	Working capital is fixed basing on the total financial outlay as per the nature of the enterprise and upper ceiling prescribed for TFO is 20%.
2	Breeding unit	10(9F+1M)	7,26,800.00	20%	14,500.00	1,45,360.00	
3	Commercial @ 30 sow unit	30(27+3M)	19,52,000.00	20%	13,000.00	3,90,400.00	

Cost Estimate per Enterprise

Sl.No.	Component	Backyard rearing	Breeding unit	Commercial @ 30sow	Interpretation
1.	Fixed Cost i.e				
	a. Land	Own	Own	Own	*Farmer will donate land and provide free labor
	b. Housing 8'X10'/animal@150/sqft	21,600.00	72,000.00	2,16,000.00	
2.	c. Farm Implements	LS 2,400.00	LS 3,000.00	LS 4,000.00	*Construction of low cost housing with locally available materials with CGI roofing and cemented floor
	Variable cost i.e				
	a. Animals @5000/animal	15,000.00	50,000.00		
	b. Feeds @2kg/day/animal/365 @50/kg	1,09,500.00	3,65,000.00	1,50,000.00	
3.	c. Supplements/Vety aids	LS 2,950.00	4,000.00	10,95,000.00	
	d. Labor @500/dayX365 days	Self employ	1+ 1,82,500.00	LS 8,300.00 2+ 3,65,000.00	* Use of unconventional feeds & greens to reduce cost of feeds.
4.	Overhead cost i.e				
	a. Road, water, electricity etc	LS 5,000.00	10,000.00	LS 15,000.00	
	b. Bank interest & depreciation @ 7 %	8000.00	32,000.00	81,000.00	*Rates quoted are as per prevailing market rate and NPWD SOR and inclusive of transportation charges.
5.	c. Insurance @ 5% on animals	750.00	2,500.00	7,500.00	
	Operational expenses	LS 3,000.00	LS 5,000.00	LS 10,000.00	
6.	Repayment period	18 months	48 months	60 months	
	Total Financial outlay per enterprise (Rs)	1,68,000.00	7,26,000.00	19,52,000.00	* Cost estimate is subject to revision from time to time.

B. Scale of Finance for Cattle:

Sl.No	Enterprise	Unit Size	Unit Cost	Working Capital (In Rupees)			Interpretation
				WC as percentage of UC	WC per Cattle	WC per unit	
1	Small Dairy	2	2,12,000.00	20%	21,200.00	42,400.00	Working capital is fixed basing on the total financial outlay as per the nature of the enterprise and Upper Ceiling prescribed for TFO is 20%.
2	Medium dairy	5	7,36,000.00	20%	29,440.00	1,47,200.00	
3	Commercial Dairy	10	14,63,000.00	20%	24,229.00	2,92,600.00	

Cost Estimate per Enterprise

SL.No.	Component	Small Dairy			Medium Dairy			Commercial Dairy			Interpretation
		Own	LS	60 months	Own	LS	96 months	Own	LS	96 months	
1.	Fixed Cost i.e										*Farmer will donate land and provide free labor *Shed to be constructed with locally available materials with CGI roofing and cemented floor * Use of hay, greens & fodder to reduce cost of feed and silage making. *Rates quoted are as per prevailing market rate and NPWD SOR and inclusive of transportation *Cost estimate is subject to revision from time to time.
	a. Land	Own	18,000.00	60 months	Own	45,000.00	96 months	Own	90,000.00	96 months	
	b. Housing 6'X10'/animal@150/sqft	LS	5,600.00	60 months	LS	7,000.00	96 months	LS	8,000.00	96 months	
	c. Farm Implements	Own	80,000.00	60 months	Own	2,00,000.00	96 months	Own	4,00,000.00	96 months	
2.	Variable cost i.e										*Farmer will donate land and provide free labor *Shed to be constructed with locally available materials with CGI roofing and cemented floor * Use of hay, greens & fodder to reduce cost of feed and silage making. *Rates quoted are as per prevailing market rate and NPWD SOR and inclusive of transportation *Cost estimate is subject to revision from time to time.
	a. Animals @40000/heifer	LS	76,650.00	60 months	LS	2,19,000.00	96 months	LS	4,38,000.00	96 months	
	b. Feeds @3kg/day/animal/365 @ 40/kg	LS	3,350.00	60 months	LS	4,375.00	96 months	LS	6,750.00	96 months	
	c. Supplements/Vety aids	Own	1,82,500.00	60 months	1+	1,82,500.00	96 months	2+	3,65,000.00	96 months	
3.	Overhead cost i.e										*Farmer will donate land and provide free labor *Shed to be constructed with locally available materials with CGI roofing and cemented floor * Use of hay, greens & fodder to reduce cost of feed and silage making. *Rates quoted are as per prevailing market rate and NPWD SOR and inclusive of transportation *Cost estimate is subject to revision from time to time.
	a. Road, water, electricity etc	LS	5,000.00	60 months	LS	10,000.00	96 months	LS	15,000.00	96 months	
	b. Bank interest & depreciation @ 7 %	LS	14,364.00	60 months	LS	48,150.00	96 months	LS	95,000.00	96 months	
4.	Operational expenses	LS	4,000.00	60 months	LS	10,000.00	96 months	LS	20,000.00	96 months	*Farmer will donate land and provide free labor *Shed to be constructed with locally available materials with CGI roofing and cemented floor * Use of hay, greens & fodder to reduce cost of feed and silage making. *Rates quoted are as per prevailing market rate and NPWD SOR and inclusive of transportation *Cost estimate is subject to revision from time to time.
5.	Repayment period	LS	5,000.00	60 months	LS	10,000.00	96 months	LS	15,000.00	96 months	
6.	Total Financial outlay per enterprise(Rs)	LS	2,12,000.00	60 months	LS	7,36,000.00	96 months	LS	14,63,000.00	96 months	

C. Scale of Finance for poultry :

SL.NO.	Enterprise	Unit size	Unit Cost	Working Capital (in Rupees)			Interpretation
				WC as percentage of UC	WC per bird	WC per unit	
1.	All in All out Broiler farm	1000	383250	20%	76.65	76650	*Working Capital is fixed basing on the total financial outlay as per the nature of the enterprise and Upper ceiling prescribed for TFO is 20%
2.	Rearing of LIT birds	500	299775	20%	119.91	59955	
3.	Semi-intensive Duckery	90+10	54075	20%	108.15	1081.5	

Cost Estimate per Enterprise

SL.NO.	Component	Broiler farm	LIT Birds	Duckery	Interpretation
1	Fixed cost i.e				*Farmers will donate land and provide free labor
	a. Land	Own 1,50,000.00	Own	Own 15,000.00	
	b. Housing	LS 10,000.00	75,000.00 LS 8000.00	LS 5000.00	
2.	Variable cost i.e				*Construction of low cost housing with locally available materials with CGI roofing and cemented floor
	a) Birds @45/day old chicks	45,000.00	22,500.00	4,500.00	
	b) Feeds @3.5 kg/bird (for 90 days) @60/kg	2,10,000.00	1,05,000.00	21,000.00	
	c) Supplements/Vety aids	LS 5,000.00	5,000.00	5,000.00	
3.	d) Labor @ 500/day	Own	Own	Own	*Use of greens, foddors to reduce feed cost
	Overhead cost i.e				
	a. Road, water, electricity etc	LS 5,000.00	LS 5,000.00	LS 3,000.00	
4.	b. Bank interest & depreciation@7%	20300.00	15,785.00	4100.00	*Rates quoted are as per the prevailing market rate and NPWD SOR and inclusive of transportation charges.
	c. Insurance @ 5% on animals	NA	NA	NA	
	Operational expenses	5,000.00	5,000.00	5,000.00	
5.	Repayment period	12 months	12 months	12 months	*Cost estimate is subject to revision from time to time.
6.	Total Financial Outlay as per enterprise	3,83,250.00	2,42,000.00	53,000.00	

D. Scale of Finance for Sheep & Goat :

SL.N0.	Enterprise	Unit size	Unit Cost	Working Capital (in Rupees)		Interpretation
				WC as percentage of UC	WC per unit	
1.	Backyard Goatery	5(4F+1M)	1,30,000.00	20%	5,200.00	Working Capital is fixed basing on the total financial outlay as per the nature of the enterprise and Upper ceiling prescribed for TFO is 20%
2.	Breeding Unit, Goat	10(9F+1M)	2,39,000.00	20%	4,780.00	
3.	Breeding Unit, Sheep	10(9F+1M)	2,40,000.00	20%	4,800.00	

Cost Estimate per Enterprise

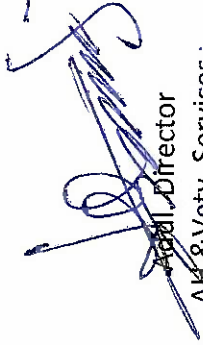
SL.N0.	Component	Backyard Goatery	Breeding unit goat	Breeding unit sheep	Interpretation
1	Fixed cost i.e				
	a. Land	Own	Own	Own	*Farmers will donate land and provide free labor
	b. Housing	LS 10,000.00	20,000.00	30,000.00	
2.	c. Farm implements	LS 5,000.00	5,000.00	8,000.00	*Shed to be constructed with available materials with CGI roofing and cemented floor
	Variable cost i.e				
	a. Animal@10,000/animal aged 12-18 months	50,000.00	1,00,000.00	1,00,000.00	
	b. Feeds @0.5kg/animal for 365 days	41,0620.00	82,125.00	82,125.00	*Use of hay, greens & foddors to reduce cost of feed and silage making.
3.	c. Supplements/Vety aids	LS 3000.00	3,000.00	4000.00	
	d. Labor	Own	Own	Own	*Rates quoted are as per the prevailing market rate and NPWD SOR and inclusive of transportation charges.
	Overhead cost i.e				
4.	a. Road, water, electricity etc	LS 5,000.00	5,000.00	5,000.00	
	b. Bank interest & depreciation@7%	8,400.00	15,600.00	15,700.00	
	c. Insurance @ 5% on animals	2,500.00	5,000.00	5,000.00	
5.	Operational expenses	3,000.00	3,000.00	3,000.00	
6.	Repayment period	24 months	24 months	24 months	
	Total Financial Outlay as per enterprise	1,30,000.00	2,39,000.00	2,40,000.00	*Cost estimate is subject to revision from time to time.

E. SCALE OF FINANCE

For various Animal Husbandry Enterprises under Kisan Credit Card for the State of Nagaland for the FY 2024-25.

A. Scale of Finance for Allied Animal Husbandry & Veterinary activities :

1.	Veterinary Pharmacy	1	10,00,000.00	Furnishing, Purchase of medicines, purchase of refrigerator , vaccine carrier etc
2.	Butchers/meat vendors	1	5,00,000.00	1. Purchase of deep freezer
3.	Market outlets i.e feeds, dairy parlour	1	5,00,000.00	2. Furnishing 3. Weighing scale etc


Asst. Director
AH & Vety. Services
Nagaland Directorate
A.H & Veterinary Services
Nagaland, Kohima

APICULTURE

ECONOMIC COST BENEFITS ANALYSIS FOR 1 UNIT OF BEEKEEPING (*Apis cerana*):

A. Non Recurring Expenditure				
Sl. No.	Particulars	Quantity	Rate	Amount (In Rs)
APIARY DEVELOPMENT				
1	a. Bee Boxes (ISI-B Type)	10	2000	20,000
	b. Honey Extractor (S. Steel)	1	3200	3800
	c. Swarm Bag	1	200	200
	d. Hand gloves	1	150	150
	e. Queen excluder sheets	10	250	2500
	f. Smoker	1	400	400
	g. Bee veil	1	200	200
	h. Nucleus box	1	500	600
	i. S.S. Knife, strainer, funnel etc	1 set	L.S.	150
	Sub Total			28,000
POST HARVEST MANAGEMENT				
2	a. 260 Kg Capacity. Open Mouth Honey container with valve.	1	4500	4800
	b. Stainless buckets & vessels 15 ltrs cpty	2	600	1200
	Sub Total			6,000
TOTAL				34,000
B. Annual Operational Expenditure (Recurring)				
1	Sales of Honey			
	a. Honey Bottles, Labels & fees for certification	140	30	4200
	b. Carton box with partition (12 bottle capacity)	10	50	500
	c. Transport of packed honey to the market	LS	500	500
	d. Management support cost			2000
	TOTAL			7200

C. Net expenses and Gross income

I NET EXPENSES				
Sl. No.	Particulars	Qty	Rate	Amount (In Rs.)
1	Recurring cost	-	-	7200
2	Depreciation on dead stock (2% of Non recurring materials)	L.S.	-	680
TOTAL				7880
II GROSS INCOME				
Sl. No.	Particulars	Qty	Rate	Amount
1	Sales of honey	70 Kg	1000	70,000

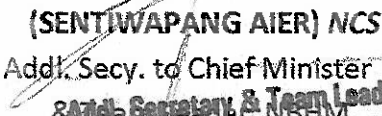
D. Net Profit:

Gross income – Net expenses.

Rs. 70,000/- – Rs.7,880/-

Annual Net profit from the project = Rs. 62,120/-

(Rupees Sixty Two Thousand One Hundred and Twenty)


(SENTIWAPANG AIER) NCS
Addl. Secy. to Chief Minister
& Addl. Secretary & Team Leader,
Nagaland Beekeeping & Honey Mission
Nagaland : Kohima