## **DETAILED COMPENSATORY AFFORESTATION SCHEME**

1 Model of afforestation

Artificial Regeneration

2 Species proposed to be planted

Michelia champaca Terminalia myriocarpa

Bischofia javanica

Artocarpus Heterophyllus

Cedrilla toona Gmelina arboria Toona Ciliata

Environment, Forests & Climate Change

3" Implementing Agency

Department, Mizoram

Advanced work and creation of

plantation and maintenance upto 10th

year.

4 Time scheduled

ANALYSIS OF PER HA RATE FOR VARIOUS WORK ITEMS UNDER COMPENSATORY AFFORESTATION TO BE TAKEN UP UNDER FOREST (CONSERVATION) ACT, 1980

S.N	(Rs. 3	180/- per manday)  Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	
		Advance works including nursery				
	(a)	Survey and demarcation including mapping	3	1140		1140
	(b)	Area preparation by cutting grasses & shrubs	20	7600		7600
	(c)	Fire line cutting burning and maintenance	6	2280		2280
1		Clearance of site for nursery, preparation of nursery bed, filling of poly-bags, manuring shed	20	7600		7600
	()	erection Cost of seeds, poly-bags, implements etc	0	0	1890	1890
	(e)		5	1900		1900
	<i>(f)</i>	Treatment and sowing of seeds	11	4180		4180
	(g)	Weeding & watering	65	24700	1890	26590
		Sub Total :				
2		Creation of Plantation  (a) Site preparation, alignment, prepareation of stakes, digging of pits, preparation of planting material, carriage of planting iste, Planting / sowing, construction of camp shed, inspection path/ signboard and other misc. works	25	9500		9500
		(b) Weeding 3 times including vacancy filling and watch & ward	67	25460		25460
		(c) Fire protection measures like fire line cutting, engagement of fire watchers	3	1140		1140
		Sub Total :	95	36100		36100
	+	Maintenance of Plantation				
	(i) A	Maintenance after 1st Year				
3	(a)	(10,0,5)	24	9120		9120
3	(b)		. 3	1140		1140
	(0)	Sub Total:	27	10260	0	10260

,	Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
2	3	4	5	6	/
	(ii) Maintenance after 2 years				5700
(a)	Weeding 2 times (10+5)	15	5700		1140
(b)	Fire protection measures	3	1140		1140
(c)	Add 25% of 3(ii) column 5 total labour component for anticipated revision of wage rate				1710
	Sub Total:	18	6840	0	8550
(iii)	Maintenance after 3 years				
(a)		13	4940		4940
(b)		3	1140		1140
(c)	5500				1520
	Sub Total:	16	6080	0	7600
(iv	Maintenance after 4 years				
		13	4940		4940
(a)		3	1140		1140
(b)	Cocco				3040
-	Sub Total :	16	6080	0	9120
(1)	Maintenance after 5 years				
-		12	4560		4560
(a		2	760		760
(b	Add 50% of 3(v) column 5 total labour				2660
(	component for anticipated revision of wage rate		<b>#000</b>	0	7980
	Sub Total :	14	5320		7900
(v	i) Maintenance after 6 years				45.00
10	Weeding / tending	12	4560		4560
-	b) Fire protection measures	2	760		760
Ť	Add 75% of 3(vi) column 5 total labour	<u>,                                     </u>			3990
-	component for anticipated revision of wage rate	14	5320	0	9310
1	Sub Total:				
-	vii) Maintenance after 7 years	10	3800		3800
-	a) Weeding / tending	2	760		760
1	b) Fire protection measures				
	Add 75% of 3(vii) column 5 total labour component for anticipated revision of wage rate		1760		798
	Sub Total :	12	4560	0	/ 780
1	viii) Maintenance after 8 years				200
-	(a) (a) Weeding / tending	10	3800		380
-	(b) Fire protection measures	2	760	9	760

.N		Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
.	_	3	4	5	6	7
1	(c)	Add 100% of 3(viii) column 5 total labour component for anticipated revision of wage rate				4560
			12	4560	0	9120
		Sub Total :				
	(ix) !	Maintenance after 9 years	8	3040		3040
	(a)	Weeding / tending	2	760		760
	(b)	Fire protection measures	4	760		
	(c)	Add 100% of 3(ix) column 5 total labour component for anticipated revision of wage rate		A.		3800
			10	3800	0	7600
		Sub Total :				
	(x) I	Maintenance after 10 years	8	3040		3040
	(a)	(a) Weeding / tending				760
	(b)	(b) Fire protection measures	2	760		
	(c)	Add 100% of 3(x) column 5 total labour				3800
		Sub Total :	10	3800	0	7600
		Total of Plantation Cost	309	117420	1890	147810
4		Soil & Moisture Conservation measures including construction of check dams, gully plugging, contour trenching water harvesting structures etc. whatever necessary within the project area	g			22171
		(15% of plantation cost)				7390
5		Fencing (5% of plantation cost)				2956
6		Monitoring & Evaluation (2% of plantation cost)				14781
7		Overheads (10% of plantation cost)				19510
		GRAND TOTAL				19310

A Target area for CA (Ha)

25.7712

Rate per Ha. (as shown in the above table in

195108

Rs.)
C Total cost for CA (in Rs.)

5028167

Rupees fifty lakh twenty eight thousand one hundred and sixty seven only

(SAMSON THANRUMA)
Divisional Forest Officer
Kawrthah Forest Division

SAMSON THANRUMA
Divisional Forest Officer
Kawrthah

R.S. SINHA, IFS
APCCF & NODAL OFFICER (FC)

## **DETAILED COMPENSATORY AFFORESTATION SCHEME**

1 Model of afforestation Artificial Regeneration

Species proposed to be planted

Mangifera indica Bischofia javanica Michelia champaca . Terminalia myriocarpa

Cedrilla toona Toona ciliata

Environment, Forests & Climate Change

3 ~ Implementing Agency

Department, Mizoram

Advanced work and creation of

Time scheduled

plantation and maintenance upto 10th

year.

ANALYSIS OF PER HA RATE FOR VARIOUS WORK ITEMS UNDER COMPENSATORY AFFORESTATION TO BE TAKEN UP UNDER FOREST (CONSERVATION) ACT, 1980

(1100 plants per ha) (Pc 290/- ner manday)

	(Rs	. 380/- per manday)	Manday	Labour	Material	C - L/YY
S.N		Item of work	required (in No.)	Component (in Rs.)	Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	7
1		Advance works including nursery				
	(a)	Survey and demarcation including mapping	3	1140		1140
	(b)	Area preparation by cutting grasses & shrubs	20	7600		7600
	(c)	Fire line cutting burning and maintenance	6	2280		2280
1	(d)	Clearance of site for nursery, preparation of nursery bed, filling of poly-bags, manuring shed	20	7600		7600
		erection Cost of seeds, poly-bags, implements etc	0	0	1890	1890
	(e)		5	1900		1900
	(f)	Treatment and sowing of seeds	11	4180		4180
	(9)	Weeding & watering Sub Total:	65	24700	1890	26590
2		(a) Site preparation, alignment, prepareation of stakes, digging of pits, preparation of planting material, carriage of planting iste, Planting / sowing, construction of camp shed, inspection path/signboard and other misc. works  (b) Weeding 3 times including vacancy filling and watch & ward	25 67	9500 25460		9500 25460
		(c) Fire protection measures like fire line cutting, engagement of fire watchers	3	1140		1140
		> Sub Total :	95	36100		36100
3		Maintenance of Plantation				
	(i) M	aintenance after 1st Year				0420
	(a)	Weeding 3 times + vacancy filling (10+9+5)	24	9120		9120
	(b)	Fire protection measures	3	1140		1140
	4	Sub Total :	27	10260	0	10260

		ltem of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
	2	3	4	5	6	
		(ii) Maintenance after 2 years				£200
	(a)	Weeding 2 times (10+5)	15	5700		5700
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 25% of 3(ii) column 5 total labour component for anticipated revision of wage rate				1710
		Sub Total :	18	6840	0	8550
	(iii)	Maintenance after 3 years				
	(a)	Weeding 2 times (8+5)	13	4940		4940
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 25% of 3(iii) column 5 total labour component for anticipated revision of wage rate				1520
		Sub Total :	16	6080	0	7600
	(iv)	Maintenance after 4 years				
	(a)	Weeding 2 times (8+5)	13	4940		4940
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 50% of 3(iv) column 5 total labour component for anticipated revision of wage rate				3040
		Sub Total :	16	6080	0	9120
	(v)	Maintenance after 5 years				
	(a)	(a) Weeding / tending	12	4560		4560
	(b)	(b) Fire protection measures	2	760		760
	(c)	Add 50% of 3(v) column 5 total labour component for anticipated revision of wage rate	ì			2660
		Sub Total :	14	5320	, 0	7980
	(vi)	Maintenance after 6 years				
	(a	Weeding / tending	12	4560		4560
	(b)	Fire protection measures	2	760		760.
	(c	Add 75% of 3(vi) column 5 total labour component for anticipated revision of wage rate				3990
	-	Sub Total :	14	5320	0	9310
		i) Maintenance after 7 years				
	(a		10	3800		3800
	(b)	Fire protection measures	2	760		760
	(c	Add 75% of 3(vii) column 5 total labour component for anticipated revision of wage rate				3420
		Sub Total:	12	4560	0	7980
,	(vi	ii) Maintenance after 8 years				
	(a		10	3800		3800
	(b		2	760		760

S.N		Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5		
	(c)	Add 100% of 3(viii) column 5 total labour	a a			4560
/5		component for anticipated revision of wage rate		4560	0	9120
		Sub Total:	12	4300		
	(ix)	Maintenance after 9 years		0040		3040
	(a)	Weeding / tending	8	3040		760
	(b)	Fire protection measures	2	760		
	(c)	Add 100% of 3(ix) column 5 total labour				3800
	(6)	component for anticipated revision of wage rate	10	3800	0	7600
***************************************		Sub Total :	10	3000		
	(x) A	laintenance after 10 years	0	3040		3040
	(a)	(a) Weeding / tending	8			760
	(b)	(b) Fire protection measures	2	760		
	(c)	Add 100% of 3(x) column 5 total labour component for anticipated revision of wage rate				3800
			10	3800	0	7600
		Sub Total:	309	117420	1890	147810
		Total of Plantation Cost				
4		Soil & Moisture Conservation measures including construction of check dams, gully plugging, contour trenching water harvesting structures etc. whatever necessary within the project area				22171
		(15% of plantation cost)	, , , , , , , , , , , , , , , , , , , ,			7390
5		Fencing (5% of plantation cost)				2956
6						
	_	Monitoring & Evaluation (2% of plantation cost)				14781
7		Overheads (10% of plantation cost)  GRAND TOTAL				195108
1		GRAND TOTAL	1			

Cost of CA for (34.7604 ha x Rs 195108) = Rs67,82,032.12 /- or say Rs. 67,82,032/-

(Rupees Sixty seven lakhs eighty two thousand and thirty two only)

R.S. SINHA, IFS

Divisional Forest Officer
Mamit Forest Division

APCCF & NODAL OFFICER (FC)