

DETAILED COMPENSATORY AFFORESTATION SCHEME

1. Model of afforestation : Artificial Regeneration
2. Species proposed to be Planted : *Mangifera indica*
Bischofia javanica
Michelia champaca
Terminalia myriocarpa
Cedrilla toona
Toona ciliata
Messua ferrea
3. Implementing Agency : Environment, Forests & Climate Change Department, Mizoram
4. Time scheduled : Advanced work and creation of plantation and maintenance upto 10th years

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

(Rs. 380 /- per manday)

(1100 plants per ha)

SLN	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
1	Advance works including nursery				
	(a) Survey and demarcation including mapping	3	1,140		1,140
	(b) Area preparation by cutting grasses & shrubs	20	7,600		7,600
	(c) Fire line cutting, burning and maintenance	6	2,280		2,280
	(d) Clearance of site for nursery, preparation of nursery bed, filling of poly-bags, manuring, shed erection	20	7,600		7,600
	(e) Cost of seeds, poly-bags, implements etc	0		1,890	1,890
	(f) Treatment and sowing of seeds	5	1,900		1,900
	(g) Weeding & watering	11	4,180		4,180
	Sub Total	65	24,700	1890	26,590
2	Creation of plantation				
	a) Site preparation, alignment, preparation of stakes, digging of pits, preparation of planting materials, carriage to planting site, planting/sowing, construction of camp shed, inspection path, signboard and other misc. works	25	9,500		9,500
	(b) Weeding 3 times including vacancy filling and watch & ward	67	25,460		25,460
	(c) Fire protection measures like fire line cutting, engagement of fire watchers	3	1,140		1,140
	Sub Total	95	36,100		36,100

Maintenance of Plantation					
(i) Maintenance after 1st year					
(a) Weeding 3 times + vacancy filling (10+9+5)	24	9,120		9,120	
(b) Fire protection measures	3	1,140		1,140	
Sub Total	27	10,260		10,260	
(ii) Maintenance after 2 years					
(a) Weeding 2 times (10+5)	15	5,700		5,700	
(b) Fire protection measures	3	1,140		1,140	
Add 25% for anticipated revision of wage rate				1,710	
Sub Total		6,840		8,550	
(iii) Maintenance after 3 years					
(a) Weeding 2 times (8+5)	13	4,940		4,940	
(b) Fire protection measures	3	1,140		1,140	
Add 25% for anticipated revision of wage rate				1,520	
Sub Total		6,080		7,600	
(iv) Maintenance after 4 years					
(a) Weeding 2 times (8+5)	13	4,940		4,940	
(b) Fire protection measures	3	1,140		1,140	
Add 50% for anticipated revision of wage rate				3,040	
Sub Total		6,080		9,120	
(v) Maintenance after 5 years					
(a) Weeding/tending	12	4,560		4,560	
(b) Fire protection measures	2	760		760	
Add 50% for anticipated revision of wage rate				2,660	
Sub Total		5,320		7,980	
(vi) Maintenance after 6 years					
(a) Weeding/tending	12	4,560		4,560	
(b) Fire protection measures	2	760		760	
Add 75% for anticipated revision of wage rate				3,990	
Sub Total		5,320		9,310	
(vii) Maintenance after 7 years					
(a) Weeding/tending	10	3,800		3,800	
(b) Fire protection measures	2	760		760	
Add 75% for anticipated revision of wage rate				3,420	
Sub Total		4,560		7,980	
(viii) Maintenance after 8 years					
(a) Weeding/tending	10	3,800		3,800	
(b) Fire protection measures	2	760		760	
Add 100% for anticipated revision of wage rate				4,560	
Sub Total		4,560		9,120	

	(ix) Maintenance after 9 years				
	(a) Weeding/tending	10	3,800		3,800
	(b) Fire protection measures	2	760		760
	Add 100% for anticipated revision of wage rate				4,560
	Sub Total		4,560		9,120
	(x) Maintenance after 10 years				
	(a) Weeding/tending	10	3,800		3,800
	(b) Fire protection measures	2	760		760
	Add 100% for anticipated revision of wage rate				4,560
	Sub Total		4,560		9,120
	Total of Plantation Cost	313	118940	1,890	1,50,850
4	Soil & Moisture Conservation measures including construction of check dams, gully plugging, contour trenching, water harvesting structures etc. whatever necessary within the project area (15% of plantation cost)				22628
5	Fencing (5% of plantation cost)				7543
6	Monitoring & Evaluation (2% of plantation cost)				3017
7	Overheads (10% of plantation cost)				15085
	Grand Total :				1,99,123

Resultant Cost of CA over degraded forest land ($0.045 \times 2 = 0.09$)
($0.09 \text{ ha} \times 1,99,123$) = Rs 17921.07 or say Rs. 17,921/-

(Rupees seventeen thousand nine hundred and twenty one only)


(MARGARET LAIRAMCHHANI)
 Divisional Forest Officer
 Kolasib Forest Division
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Kolasib Forest Division
Kolasib : Mizoram