

DETAILED CA SCHEME:

1. Model of afforestation : Artificial Regeneration
2. Species proposed to be Planted : Tectona grandes
Michelia champaca
Terminalia myriocarpa
Cedrilla toona
Ligustrum robustum
3. Implementing Agency : Environment, Forests & Climate Change Department, Mizoram
4. Time scheduled : Advanced work and creation of plantation
In the 1st Year maintenance upto 3rd Year

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

Rs. 270/- per manday

(1100 plants per ha)

Sl. No.	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	810		810
	b) Area preparation by cutting grasses & shrubs	20	5400		5400
	c) Fire line cutting, burning and maintenance	6	1620		1620
	d) Clearance of site for nursery, preparation of nursery bed, filling of poly-bags manuring, shed erection	20	5400		5400
	e) Cost of seeds, poly-bags, implements etc.	0		1890	1890
	f) Treatment and sowing of seeds	5	1350		1350
	g) Weeding & watering	11	2970		2970
	Sub Total	65	17550	1890	19440
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	6750	6750	
	b) Weeding 3 times including vacancy filling and watch & ward	67	18090		18090
	c) Fire protection measures like fire line cutting, engagement of fire watchers	3	810		810
	Sub Total	95	25650		25650

Sl. No.	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
3	Maintenance of Plantation				
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	<i>i) Maintenance after 1st year</i>				
	a) Weeding 3 times + vacancy filling (10+9+5)	24	6480		6480
	b) Fire protection measures	3	810		810
	Sub Total	27	7290		7290
	<i>ii) Maintenance after 2 years</i>				
	a) Weeding 2 times (10+15)	15	4050		4050
	b) Fire protection measures	3	810		810
	Add 25% for anticipated revision of wage rate				1215
	Sub Total				6075
	<i>iii) Maintenance after 3 years</i>				
	a) Weeding 2 times (8+5)	13	3510		3510
	b) Fire protection measures	3	810		810
	Add 25% anticipated revision of wage rate				1080
	Sub Total				5400
	<i>iv) Maintenance after 4 years</i>				
	a) Weeding 2 times (8+5)	13	3510		3510
	b) Fire protection measures	3	810		810
	Add 25% anticipated revision of wage rate				2160
	Sub Total				6840
	<i>v) Maintenance after 5 years</i>				
	a) Weeding /tending	12	3240		3240
	b) Fire protection measures	2	540		540
	Add 50% anticipated revision of wage rate				1890
	Sub Total				5670
	<i>vi) Maintenance after 6 years</i>				
	a) Weeding /tending	12	3240		3240
	b) Fire protection measures	2	540		540
	Add 75% anticipated revision of wage rate				2835
	Sub Total				6615
	<i>vii) Maintenance after 7 years</i>				
	a) Weeding /tending	10	2700		2700
	b) Fire protection measures	2	540		540
	Add 75% anticipated revision of wage rate				2430
	Sub Total				5670

SL No.	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
	<i>viii) Maintenance after 8 years</i>				
	a) Weeding /tending	10	2700		2700
	b) Fire protection measures	2	540		540
	Add 100% anticipated revision of wage rate				3240
	Sub Total				6480
	Total of Plantation Cost	289		1890	94770
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)				14120
5	Fencing (5% of plantation cost)				4738
6	Monitoring & Evaluation (2% of plantation)				1895
7	Overheads (10% of plantation cost)				9477
	Grand Total :				125000

Total financial outlay for CA of 6.37 ha = Rs 7,96,250.00

(Rupees seven lakhs ninety six thousand two hundred and fifty) only