

office of HP state compensatory Afforestation Fund Management & Planning Authority.

(HP State CAMPA), Aranya-Bhawan, Talland, Shimla- 171001.

Cost Modal for 1 Ha Block Plantation with 500 Tall Plants Per Ha.
4 strand B/ wire with RCC Fencing Posts and maintenance for 10 years
(based on a 5 Ha compact site of plantation)

Sr. No.	Particulars Of Works	Unit	Quantity	Rate per unit at the wage rate of 200/-	Rate per unit at the wage rate of 300/-	Norm at the wage rate of 300/- for non- Tribal areas
A	SURVEY, DEMACATION & FENCING:-					
1	Survey, demarcation of Plantation Area i/c marketing of section	Ha	1	134.66	201.99	201.99
2	Cost of RCC Poles and painting	No	60	300.00	450.00	27000
3	Cost of carriage of RCC Poles upto 2 Kms uphill/downhill	No	60	44.67	67.01	8041.2
4	Preparation / Digging of holes of 20X30x50 cm size for fixing of fence	No	60	12.08	18.12	1087.2
5	Fixing of RCC fence posts in concrete i/c strutting	No	60	9.55	14.33	859.5
6	Carriage of B/Wire from store to nearest road head near plantation site in motor transport (average carriage 10 kms)	Qntl	0.9	LS	750.00	750
7	Carriage of B/Wire manually over a distance of 2 kms uphill/downhill from road side to plantation site	Per Km Per qntl	0.9	98.20	147.30	265.14
8	Stretching and fixing of b/wire in four stands	Rmt	720	6.40	9.60	6912
9	Interlacing of thorny bushes along the fence	Rmt	180	5.45	8.18	1471.5
10	Cost of procurement of B/wire	Qntl	0.9	6930.00	6300.00	5670
Total -A / Survey, Demarcation & Fencing:					0.00	52258.53
	Or Say					52300
B	PLANTING:-					
1	Clearing the site of weeds / Bush Cutting in Strips of 1 to 2 mtr wide	Ha	1	1590.36	2385.54	2385.54
2	Digging of pits 90X90X90 cms	No	500	83.17	124.76	62377.5
3	Filling of pits 90X90X90 cms	No	500	7.08	10.62	5310
4	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	500	LS	11250.00	11250
5	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	500	30.00	45.00	22500

6	Addition of fertilizer / FVM to planing pits	No	500	LS	7500.00	7500
7	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	500	8.72	13.08	6540
8	Construction of Inspection Path 60cm wide	Rmt	100	14.67	22.01	2200.5
9	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	500	75.00	112.50	56250
10	De- weeding and hoeing twice a year	No	500	10.91	16.37	16370
11	Watering the plants during months of stress	No	500	LS	6000.00	6000
12	Plantation Display Board [depicting the name of the Compensatory Plantation, Total Area of Plantation, Total number of Plants, Species planted and the name of all the Proposals with corresponding number of plants planted against each, for which the land was diverted]	No	1	LS	1500.00	1500
Total - B/ Planting:						200183.5
	Or Say					200000
	Total Fencing and Planting (A+B)					252300
C	MAINTENANCE					
	1st year maintenance (10% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms	No	50	49.89	74.84	3741.75
2	Filling of pits 90X90X90 cms	No	50	7.09	10.64	531.75
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	50	LS	1500.00	1500
4	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	50	30.00	45.00	2250
5	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	50	8.72	13.08	654
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	50	75.00	112.50	5625
7	Repair of fencing	Rmt	72	2.40	3.60	259.2
	Total 1st year maintenance					14561.70
	Or Say					14600
	2nd year maintenance (5% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms	No	25	49.89	74.84	1870.875
2	Filling of pits 90X90X90 cms	No	25	7.08	10.62	265.5
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	25	LS	525.00	525

4	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	25	30.00	45.00	1125
5	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	25	8.72	13.08	327
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	25	75.00	112.50	2812.5
7	Repair of fencing	Rmt	72	2.40	3.60	259.2
	Total 2nd year maintenance					7185.075
	Or Say					7200
	3rd year maintenance (5% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms	No	25	49.89	74.84	1870.875
2	Filling of pits 90X90X90 cms	No	25	7.08	10.62	265.5
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	25	15	525.00	525
4	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	25	30.00	45.00	1125
5	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	25	8.72	13.08	327
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	25	75.00	112.50	2812.5
7	Repair of fencing	Rmt	72	2.40	3.60	259.2
	Total 3rd year maintenance					7185.075
	Or Say					7200
	4th year maintenance (3% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms	No	15	49.89	74.84	1122.525
2	Filling of pits 90X90X90 cms	No	15	7.08	10.62	159.3
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	15	L/S	315.00	315
4	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	15	30.00	45.00	675
5	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	15	8.72	13.08	196.2
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	15	75.00	112.50	1687.5
7	Repair of fencing	Rmt	72	2.40	3.60	259.2

	Total 4th year maintenance								4414.725
		Or Say							4400
	5th year maintenance (3% beating up of failures)								
1	Re - Digging of pits 90X90X90 cms	No	15	49.89	74.84	1122.525			
2	Filling of pits 90X90X90 cms	No	15	7.08	10.62	159.3			
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	15	L/S	315.00	315			
4	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	15	30.00	45.00	675			
5	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	15	8.72	13.08	196.2			
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	15	75.00	112.50	1687.5			
7	Repair of fencing	Rmt	72	2.40	3.60	259.2			
	Total 5th year maintenance					4414.73			
		Or Say				4400			
	6th year maintenance (2% beating up of failures)								
1	Re - Digging of pits 90X90X90 cms	No	10	49.89	74.84	748.35			
2	Filling of pits 90X90X90 cms	No	10	7.08	10.62	106.2			
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	10	L/S	210.00	210			
4	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	10	30.00	45.00	450			
5	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	10	8.72	13.08	130.8			
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	10	75.00	112.50	1125			
7	Repair of fencing	Rmt	72	2.40	3.60	259.2			
	Total 6th year maintenance					3029.55			
		Or Say				3000			
	7th year maintenance (2% beating up of failures)								
1	Re - Digging of pits 90X90X90 cms	No	10	49.89	74.84	748.35			
2	Filling of pits 90X90X90 cms	No	10	7.08	10.62	106.2			
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	10	L/S	210.00	210			

4,	Carriage of poly plants in poly bags (18" X 24") from road side to plantation site over a distance of 2 Kms uphill / downhill manually	No	10	30.00	45.00	450
5	Planting of tall plants in pits i/c ramming shall be carried out with a 40% mix of fruit trees	No	10	8.72	13.08	130.8
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	10	75.00	112.50	1125
7	Repair of fencing	Rmt	72	2.40	3.60	259.2
	Total 7th year maintenance					3029.55
	Or Say					3000
	8th to 10th year maintenance			3	3000.00	9000.00
	Total (C) Maintenance cost for 10 years					52800.00
D	TOTAL NEW + MAINTENANCE D = (A+B+C)					305100.00

Total expenditure required for raising of CA over an area of 0.66 hac. in DPF Jabliyana of Dhangu beat of Ghumarwin range for block plantation with 500 tall plants with 4 strand B/wire with RCC Fencing including 10 years maintenance in lieu of area proposed for Diversion of 0.22 hectare of forest land for the construction of 33/11 KV Electrical Sub Centre, (Modar) Shri Naina Devi Ji within the jurisdiction of Bilaspur Forest Division, Distt. Bilaspur, HP.

1	Forest land proposed for diversion	0.2	
2	Total trees involved in the proposal	33	
3	Forest land identified for raising of CA	0.66	
4	No. of plants to be planted i.e. 10 times of trees involved in proposal	330	

Sr. No.	Particular of cost	Rate per ha.	Area in ha.	Total amount
	Planting & Fencing	252300	0.66	166518
1	Ist year maintenance cost	14600	0.66	9636
2	2nd year maintenance cost	7200	0.66	4752
3	3rd year maintenance cost	7200	0.66	4752
4	4th year maintenance cost	4400	0.66	2904
5	5th year maintenance cost	4400	0.66	2904

6	6th year maintenance cost	3000	0.66	1980
7	7th year maintenance cost	3000	0.66	1980
8	8th year maintenance cost	3000	0.66	1980
9	9th year maintenance cost	3000	0.66	1980
10	10th year maintenance cost	3000	0.66	1980
	Total (New + Maintenance)	305100		201366
13	Contingency			
	Contingency 5% of all above			
	TOTAL Contingency (E)			10068
	Total Plantation + Contingency			10068
14	Departmental Charges			
	17.5% of all above			
	Total Departmental Charges			37001
	Total {New+Maint+Contingency+Departmental charges}			37001
15	GST @ 18% on the cost of F/Posts & B/Wire			
				248435
	Grand Total of CA including Taxes			252316

Approved

Shree
 Chief Conservator of Forest
 Bilaspur Forest Circle,
 Bilaspur (H.P.)

[Signature]
 Divisional Forest Officer
 Forest Division, Bilaspur
 Distt. Bilaspur (H.P.)