

Office of HP state compensatory Afforestation Fund Management & Planning Authority
(HP State CAMPA), Aranya-Bhawan, Taland, 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 7 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/-	Norm at the wage rate of 200/- for non-Tribal areas	Norm at the wage rate of 250/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-					
1	Survey, demarcation of Plantation Area i/c marketing of section	Ha	1	134.66	134.66	
2	Cost of RCC Poles and painting	No	60	300.00	18000.00	
3	Cost of carriage of RCC Poles upto 2 Kms uphill/downhill	No	60	44.67	2680.20	
4	Fixing of RCC fence posts in concrete i/c strutting	No	60	12.08	724.80	
5	Carriage of B/Wire from store to nearest road head near plantation site in motor transport (average carriage 10 kms)	Qntl	60	9.55	573.00	
6	Carriage of B/Wire manually over a distance of 2 kms uphill/downhill from road side to plantation site	Per Km	0.9	LS	500.00	
7	Stretching and fixing of b/wire in four stands	Per qntl	0.9	98.20	176.76	
8	Interlacing of thorny bushes along the fence	Rmt	720	6.40	4608.00	
9	Cost of procurement of B/wire	Rmt	180	5.45	981.00	
10		Qntl	0.9	6930.00	6237.00	
	Total -A / Survey, Demarcation & Fencing:-				34615.42	0.00
B	PLANTING:-					
1	Clearing the site of weeds / Bush Cutting in Strips of 1 to 2 mtr wide	Ha	1	1590.36	1590.36	
2	Digging of pits 90X90X90 cms	No	500	83.17	41585.00	
3	Filling of pits 90X90X90 cms	No	500	7.08	3540.00	
4	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	500	LS	7500.00	
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	15000.00	
6	Addition of fertilizer / FVM to planting pits	No	500	LS	5000.00	
7	Planting of tall plants in pits i/c ramming	No	500	8.72	4360.00	
8	Construction of Inspection Path 60cm wide	Rmt	100	14.67	1467.00	
9	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	500	75.00	37500.00	

10	De- weeding and hoeing twice a year	No	500	10.91	10910.00	
11	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	1000.00	
					129452.36	0.00
					133400.00	
					168000.00	0.00
C	MAINTENANCE					
	Total Fencing and Planting (A+B)					
1	1st year maintenance (10% beating up of failures)					
2	Re - Digging of pits 90X90X90 cms					
3	Filling of pits 90X90X90 cms	No	50	49.89	2494.50	
4	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	50	7.08	354.00	
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	50	LS	750.00	
6	Planting of tall plants in pits i/c ramming	No	50	30.00	1500.00	
7	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	50	8.72	436.00	
	Repair of fencing		50	75.00	3750.00	
	Total 1st Year maintenance	Rmt	72	2.40	172.80	
					9457.30	0.00
	2nd year maintenance (5% beating up of failures)				9500.00	
1	Re - Digging of pits 90X90X90 cms					
2	Filling of pits 90X90X90 cms	No	25	49.89	1247.25	
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	25	7.08	177.00	
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	LS	350.00	
5	Planting of tall plants in pits i/c ramming	No	25	30.00	750.00	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	25	8.72	218.00	
7	Repair of fencing	No	25	75.00	1875.00	
	Total 2nd year maintenance	Rmt	72	2.40	172.80	
					4790.05	0.00
	3rd year maintenance (5% beating up of failures)				4800.00	
1	Re - Digging of pits 90X90X90 cms	No	25	49.89	1247.25	

2	Filling of pits 90X90X90 cms	No	25	7.08	177.00	
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No				
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	LS	350.00	
5	Planting of tall plants in pits i/c ramming	No	25	30.00	750.00	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	25	8.72	218.00	
7	Repair of fencing	No	25	75.00	1875.00	
	Total 3rd year maintenance	Rmt	72	2.40	172.80	
	4th year maintenance (3% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms				4790.05	0.00
2	Filling of pits 90X90X90 cms	No	15	49.89	748.35	
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	15	7.08	106.20	
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	LS	210.00	
5	Planting of tall plants in pits i/c ramming	No	15	30.00	450.00	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	15	8.72	130.80	
7	Repair of fencing	No	15	75.00	1125.00	
	Total 4th year maintenance	Rmt	72	2.40	172.80	
	5th year maintenance (3% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms				2943.15	0.00
2	Filling of pits 90X90X90 cms	No	15	49.89	748.35	
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	15	7.08	106.20	
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	LS	210.00	
5	Planting of tall plants in pits i/c ramming	No	15	30.00	450.00	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	15	8.72	130.80	
7	Repair of fencing	No	15	75.00	1125.00	
	Total 5th year maintenance	Rmt	72	2.40	172.80	
	Or Say				2943.15	0.00
					2900.00	

6th year maintenance (2% beating up of failures)									
1	Re - Digging of pits 90X90X90 cms								
2	Filling of pits 90X90X90 cms	No	10	49.89		498.90			
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	10	7.08		70.80			
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	LS		140.00			
5	Planting of tall plants in pits i/c ramming	No	10	30.00		300.00			
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	10	8.72		87.20			
7	Repair of fencing	No	10	75.00		750.00			
	Total 6th year maintenance	Rmt	72	2.40		172.80			
						2019.70			0.00
	7th year maintenance (2% beating up of failures)								
1	Re - Digging of pits 90X90X90 cms					2000.00			
2	Filling of pits 90X90X90 cms	No	10	49.89		498.90			
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	10	7.08		70.80			
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	LS		140.00			
5	Planting of tall plants in pits i/c ramming	No	10	30.00		300.00			
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	10	8.72		87.20			
7	Repair of fencing	No	10	75.00		750.00			
	Total 7th year maintenance	Rmt	72	2.40		172.80			
						2019.70			0.00
	Total (C) Maintenance cost for 7 years					2000.00			0.00
D	TOTAL NEW + MAINTENANCE D = (A+B+C)					28900.00			0.00
E	Contingency					196900.00			0.00
	Contingency 5% of all above								0.00
	TOTAL Contingency (E)								
	Total Plantation + Contingency (D+E)					9845.00			0.00
F	Departmental Charges					9845.00			0.00
	17.5% of all above					206745.00			0.00
	Total Departmental Charges (F)					36180.38			0.00
	GRAND TOTAL OF SCHEME (D+E+F)					36180.38			0.00
						242925.38			0.00
	Or Say					242900.00			0.00

Total expenditure required for raising of CA over an area of 1 hac block plantation with 500 tall plants per ha. with 4 strand B/wire with RCC Fencing including 7 years maintenance in lieu of 0.5712 hac Forest Land proposed for diversion in favour of Executive Engineer I & PH Division Ghumarwin. for c/o Sewerage Treatment Plant At Shah Talai in Bilaspur Forest Division.

1	Total Plants involved in the proposal = 50 No.
2	No of plants to be planted i.e ten times of trees involved in the proposal i.e. $50 \times 10 = 500$ (CA area to planted 1 ha. Norm. 500 plants/ ha.

Sr. No.	Particular of cost	Rate per ha.	Area in ha.	Total amount
1	Fencing & Plantation over 1 hac	168000	1	168000
2	1st year maintenance cost	9500	1	9500
3	2nd year maintenance cost	4800	1	4800
4	3rd year maintenance cost	4800	1	4800
5	4th year maintenance cost	2900	1	2900
6	5th year maintenance cost	2900	1	2900
7	6th year maintenance cost	2000	1	2000
8	7th year maintenance cost	2000	1	2000
9	Total			2000
	25% increase due to escalation in wage rates etc.			196900
	Total			49225
10	GST @ 18% on the cost of F/Posts & B/Wire			246125
	Total amount of new planting including 7 year maintenance cost			4362
	Or say			250487
				250500

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