

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 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, DEMACATION & 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	Preparation / Digging of holes of 20X30X50 cm size for fixing of fence	No	60	12.08	724.80	
5	Fixing of RCC fence posts in concrete i/c strutting	No	60	9.55	573.00	
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	500.00	
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	176.76	
8	Stretching and fixing of b/wire in four stands	Rmt	720	6.40	4608.00	
9	Interlacing of thorny bushes along the fence	Rmt	180	5.45	981.00	
10	Cost of procurement of B/wire	Qntl	0.9	6930.00	6237.00	
	Total -A / Survey, Demarcation & Fencing:				34615.42	0.00
	Or Say				34600.00	
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 / FYM 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	
		Total - B/ Planting:			129452.36	0.00
		Or Say			133400.00	
		Total Fencing and Planting (A+B)			168000.00	0.00
C	MAINTENANCE					
	1st year maintenance (10% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms	No	50	49.89	2494.50	
2	Filling of pits 90X90X90 cms	No	50	7.08	354.00	
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	50	LS	750.00	
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	50	30.00	1500.00	
5	Planting of tall plants in pits i/c ramming	No	50	8.72	436.00	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	50	75.00	3750.00	
7	Repair of fencing	Rmt	72	2.40	172.80	
	Total 1st year maintenance				9457.30	0.00
					9500.00	
	Or Say					
	2nd year maintenance (5% beating up of failures)					
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	25	LS	350.00	
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	30.00	750.00	
5	Planting of tall plants in pits i/c ramming	No	25	8.72	218.00	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	25	75.00	1875.00	
7	Repair of fencing	Rmt	72	2.40	172.80	
	Total 2nd year maintenance				4790.05	0.00
					4800.00	
	Or Say					
	3rd year maintenance (5% beating up of failures)					
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	25	LS	350.00	
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	30.00	750.00	
5	Planting of tall plants in pits i/c ramming	No	25	8.72	218.00	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	25	75.00	1875.00	
7	Repair of fencing	Rmt	72	2.40	172.80	
	Total 3rd year maintenance				4790.05	0.00
	Or Say				4800.00	
	4th year maintenance (3% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms	No	15	49.89	748.35	
2	Filling of pits 90X90X90 cms	No	15	7.08	106.20	
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	15	LS	210.00	
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	15	30.00	450.00	
5	Planting of tall plants in pits i/c ramming	No	15	8.72	130.80	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	15	75.00	1125.00	
7	Repair of fencing	Rmt	72	2.40	172.80	
	Total 4th year maintenance				2943.15	0.00
	Or Say				2900.00	
	5th year maintenance (3% beating up of failures)					
1	Re - Digging of pits 90X90X90 cms	No	15	49.89	748.35	
2	Filling of pits 90X90X90 cms	No	15	7.08	106.20	
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 kms)	No	15	LS	210.00	
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	15	30.00	450.00	
5	Planting of tall plants in pits i/c ramming	No	15	8.72	130.80	
6	Cost of tall plants raised in Departmental Nurseries (3 year old in 18" X24" bags)	No	15	75.00	1125.00	
7	Repair of fencing	Rmt	72	2.40	172.80	
	Total 5th year maintenance				2943.15	0.00
	Or Say				2900.00	

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

Total expenditure required for raising of CA over an area of 0.3 hac block plantation with 150 tall plants with 4 strand B/wire with RCC Fencing including 7 years maintenance in lieu of 0.486 hac Forest Land containing 14 trees of various speceis and classes proposed for diversion in favour of Exective Engineer Ghumarwin Division, HPPWD Ghumarwin for c/o Link road from Balhi to Chuwari in Bilaspur Forest Division.

1	Total Plants involved in the proposal = 14 No.
2	No of plants to be planted i.e ten times of trees involved in the proposal = 140 Or Say 150 (CA area to planted 0.3 ha. Norm. 500 plants/ ha.

Sr. No.	Particular of cost	Rate per ha.	Area in ha.	Total amount
1	Fencing & Plantation over 0.3 hac	168000	0.3	50400
2	1st year maintenance cost	9500	0.3	2850
3	2nd year maintenance cost	4800	0.3	1440
4	3rd year maintenance cost	4800	0.3	1440
5	4th year maintenance cost	2900	0.3	870
6	5th year maintenance cost	2900	0.3	870
7	6th year maintenance cost	2000	0.3	600
8	7th year maintenance cost	2000	0.3	600
	Total			59070
9	25% increasae due to escallation in wage rates etc.			14768
	Total			73838
10	GST @ 18% on the cost of F/Posts & B/Wire			1454
	Total amount of new planting including 7 year maintenance cost			75292
	Or say			75300

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