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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)

Particulars Of Works

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
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	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
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	41585.63
3	Filling of pits 90X90X90 cms	No	500	7.08	3539.91
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 shall be carried out with a 40% mix of fruit trees	No	500	8.72	4359.89

8	Construction of Inspection Path 60cm wide	Rmt	100	14.67	1466.63
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	10906.39
11	Watering the plants during months of stress	No	500	LS	4000.00
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	1000.00
Total - B/ Planting:					133448.81
Or Say					133400.00
Total Fencing and Planting (A+B)					168000.00
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	353.99
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 shall be carried out with a 40% mix of fruit trees	No	50	8.72	435.99
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					9457.28
Or Say					9500.00
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	14.00	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

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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	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
					4800.00
	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	14.00	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 shall be carried out with a 40% mix of fruit trees	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
					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 shall be carried out with a 40% mix of fruit trees	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
					2900.00

Or Say

Or Say

Or Say

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	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 shall be carried out with a 40% mix of fruit trees	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						
							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 shall be carried out with a 40% mix of fruit trees	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						
							2000.00						
	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						

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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	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
					2000.00
	8th to 10th year maintenance				6000.00
	Total (C) Maintenance cost for 10 years		3	2000.00	34900.00
D	TOTAL NEW + MAINTENANCE D = (A+B+C)				202900.00
E	Contingency				
	Contingency 5% of all above				10145.00
	TOTAL Contingency (E)				10145.00
	Total Plantation + Contingency (D+E)				213045.00
F	Departmental Charges				
	17.5% of all above				37282.88
	Total Departmental Charges (F)				37283
	GRAND TOTAL OF SCHEME (D+E+F)				250328
		Or Say			250350.00

Total expenditure required for raising of CA over an area of 0.28 hac. in UPF Durghat of Kalol Range for block plantation with 500 tall plants with 4 strand B/wire with RCC Fencing including 7 years maintenance in lieu of area proposed for diversion for Construction of New Building of office of Sub-Divisional Police officer, Shree Naina Devi Ji in Bilaspur Forest Division.

1	Forest land proposed for diversion	0.0663 hac			
2	Total trees involved in the proposal	14 trees			
3	No. of plants to be planted i.e. ten times of trees involved in the proposal = 140 (CA area to be planted 0.28 ha. as per norm of 500 plants/ha.				
Particular of cost		Rate per ha.	Area in ha.	Total amount	

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Sr. No.	Fencing & Plantation	168000	0.28	47040
1	Ist year maintenance cost	9500	0.28	2660
2	2nd year maintenance cost	4800	0.28	1344
3	3rd year maintenance cost	4800	0.28	1344
4	4th year maintenance cost	2900	0.28	812
5	5th year maintenance cost	2900	0.28	812
6	6th year maintenance cost	2000	0.28	560
7	7th year maintenance cost	2000	0.28	560
8	8th year maintenance cost	2000	0.28	560
9	9th year maintenance cost	2000	0.28	560
10	10th year maintenance cost	2000	0.28	560
11	Total (New +Maintenance)	202900	0.28	56812
12	25% increase due to escalation in wage rates etc.			14203
	Total			71015
13	Contingency			
	Contingency 5% of all above			3551
	TOTAL Contingency (E)			3551
	Total Plantation + Contingency			74566
14	Departmental Charges			
	17.5% of all above			13049
	Total Departmental Charges			13049
	Total {New+Maint+25% increase+Contingency+Departmental charges}			87615
15	GST @ 18% on the cost of F/Posts & B/Wire			1222
	Grand Total of CA including Taxes			88837

Approved

C. F. Bilaspur
Forest Circle Bilaspur (H.P.)

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