

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 / FYM to planting 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 |
| | | | | | | |
| | 2nd year maintenance (5% beating up of failures) | | | | | 14600 |
| 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 |

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|---|--|-----|----|-------|--------|-----------------|
| 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 | 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 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 |

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|---|--|---------------|----|-------|--------|----------------|--|--|-----------------|
| | 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 | | | |

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|---|--|--------|----------|----------------|----------------|------------------|
| 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 |
| | 8th to 10th year maintenance | Or Say | | | | 3000 |
| | Total (C) Maintenance cost for 10 years | | 3 | 3000.00 | 9000.00 | |
| D | TOTAL NEW + MAINTENANCE D = (A+B+C) | | | | | 52800.00 |
| | | | | | | 305100.00 |

Total expenditure required for raising of CA over an area of 1.80 hac. in DPF Badoh of Naina Devi ji 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 0.448 hectare of forest land for construction of link road from Boh to Hamber Km. 0/0 to 0/725 within the jurisdiction of Bilaspur Forest Division, Distt. Bilaspur, HP..

| | | |
|---|--|------------------------------------|
| 1 | Forest land proposed for diversion | 0.448 |
| 2 | Total trees involved in the proposal | 9 |
| 3 | Forest land identified for raising of CA | 1.8 |
| 4 | No. of plants to be planted | 896 as per Gol EDS dated 29.6.2021 |

| Sr. No. | Particular of cost | Rate per ha. | Area in ha. | Total amount |
|---------|---------------------------|--------------|-------------|--------------|
| | Planting & Fencing | 252300 | 1.8 | 454140 |
| 1 | 1st year maintenance cost | 14600 | 1.8 | 26280 |
| 2 | 2nd year maintenance cost | 7200 | 1.8 | 12960 |
| 3 | 3rd year maintenance cost | 7200 | 1.8 | 12960 |
| 4 | 4th year maintenance cost | 4400 | 1.8 | 7920 |

| | | | | |
|----|---|---------------|-----|---------------|
| 5 | 5th year maintenance cost | 4400 | 1.8 | 7920 |
| 6 | 6th year maintenance cost | 3000 | 1.8 | 5400 |
| 7 | 7th year maintenance cost | 3000 | 1.8 | 5400 |
| 8 | 8th year maintenance cost | 3000 | 1.8 | 5400 |
| 9 | 9th year maintenance cost | 3000 | 1.8 | 5400 |
| 10 | 10th year maintenance cost | 3000 | 1.8 | 5400 |
| | Total (New + Maintenance) | 305100 | | 549180 |
| 13 | Contingency | | | |
| | Contingency 5% of all above | | | 27459 |
| | TOTAL Contingency (E) | | | 27459 |
| | Total Plantation + Contingency | | | 576639 |
| 14 | Departmental Charges | | | |
| | 17.5% of all above | | | 100912 |
| | Total Departmental Charges | | | 100912 |
| | Total {New+Maint+Contingency+Departmental charges} | | | 677551 |
| 15 | GST @ 18% on the cost of F/Posts & B/Wire | | | 10585 |
| | Grand Total of CA including Taxes | | | 688136 |


 Divisional Forest Officer
 Forest Division, Bilaspur
 Bilaspur Forest (H.B.)
 Dist. Bilaspur (H.B.)