

**SCHEME FOR DWARF SPECIES/ MEDICINAL PLANTATION IN 1.2 HA AREA UNDER TRANSMISSION
LINE CORRIDOR UNDER LAKHIMPUR FOREST DIVISION**

*(Diversion of 10.381 ha forest land for Construction of 132 kV D/C Pare HEP to Lakhimpur Transmission Line by
Vapi II-North Lakhimpur Transmission Ltd under Lakhimpur Forest Division)*

Total effective area of transmission line in Ranga RF : (3845 M X 27 M) = 10.381 Hac
Total effective area of transmission line in Lakhimpur Forest Division. : 10.381 Hac

Tree cutting shall be allowed in two strips of 3 meters width each below both the conductors. Hence total area available for plantation : (3 M+3 M) X 3845 = 2.30 Hac

among two strips, one 3 meters outer strip shall be left clear to permit maintenance activities of transmission line. Hence, free space : 2.30 Hac / 2 = 1.15 Hac
for medicinal plantation shall be: Say 1.2 Hac

Total area to be covered by medicinal plantation : 1.2 Hac

Estimation for 2 Ha Block Plantation

Spacing of plantation : 3 M X 3 M
Total No. of seedlings per block : 1100/hac X 2 = 2200 Nos.

ESTIMATE FOR 1 (ONE) BLOCK PLANTATION (2 HA)					
S.	Particular	Qty	Unit	Rate	Amount (Rs.)
A	Advance work				
1	Site selection survey, demarcation, jungle cutting, burning etc. 16 DLs/ ha = Total 32 DLs @ Rs. 320/-	32	DLs	320	₹ 10,240.00
2	Procurement of stacking materials & making in to sticks & fixing at site @ 10 DLs/ ha = Total 20 DLs @Rs. 320/-	20	DLs	320	₹ 6,400.00
3	Cost of full G. P. F. fencing with 2 line barbed wire to be fitted on RCC pillars at 2Mt. apart including labour for 600 RM @ 720 per RM.	600	DLs	720	₹ 432,000.00
4	Wages of DLs for carrying, fitting, fixing etc of the fencing material complete as directed @ 25 DLs/ ha	50	DLs	320	₹ 16,000.00
5	Cost of tools. Implements, sign boards etc including filling, fixing etc @ 500/- per ha.	2	L.S.	500	₹ 1,000.00
TOTAL FOR ADVANCE WORK					₹ 465,640.00
B	1st year creation of Plantation and Maintenance (@ Rs. 320/DLs)				
1	Procurement of polypot seedling @ Rs. 7/- from departmental nursery to the plantation site.	2200	L.S.	7	₹ 15,400.00
2	Transportation of polypot seedling from existing departmental nursery to the plantation site.		L.S.		₹ 4,000.00
3	Wages for planting with misselleneous spp. Like Amlokhi, G. Neem, Kordoi, Sonaru etc with 3 M X 3 M spacing including carriage of seedling to the plantation site 20 DLs/ha	40	DLs	320	₹ 12,800.00
4	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	320	₹ 19,200.00
5	Fire line protection @ 2 DLs/ ha	4	DLs	320	₹ 1,280.00
6	Watering of seedlings @ 26 DLs/ha	52	DLs	320	₹ 16,640.00
TOTAL FOR 1st YEAR					₹ 69,320.00
C	2nd year maintenance (@ Rs. 352/DLs)				
1	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	352	₹ 21,120.00
2	Procurement of 500 Nos. of polypot seedlings @ Rs. 7/- per seedling for vacancy filling.	500	DLs	7	₹ 3,500.00

3	Watering of seedlings @ 26 DLs/ha	52	DLs	352	₹ 18,304.00
4	Fire line protection @ 2 DLs/ha	4	DLs	352	₹ 1,408.00
5	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00
TOTAL FOR 2nd YEAR					₹ 46,332.00
D 3rd year maintenance (@ Rs. 387/DLs)					
1	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	387	₹ 23,220.00
2	Procurement of 500 Nos. of polypot seedlings @ Rs. 7/- per seedling for vacancy filling.	500	DLs	7	₹ 3,500.00
3	Watering of seedlings @ 26 DLs/ha	52	DLs	387	₹ 20,124.00
4	Repairing of fencing where necessary 3DLs/ha	6	DLs	387	₹ 2,322.00
5	Fire line protection @ 2 DLs/ha	4	DLs	387	₹ 1,548.00
6	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00
TOTAL FOR 3rd YEAR					₹ 52,714.00
E 4th year maintenance (@ Rs. 426/DLs)					
1	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	426	₹ 25,560.00
2	Fire line protection @ 2 DLs/ha	4	DLs	426	₹ 1,704.00
3	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	426	₹ 852.00
TOTAL FOR 4th YEAR					₹ 28,116.00
F 5th year maintenance (@ Rs. 468/DLs)					
1	3 weeding, vacancy filling etc 27DLs/ha	54	DLs	468	₹ 25,272.00
2	Fire line protection @ 2 DLs/ha	4	DLs	468	₹ 1,872.00
3	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	468	₹ 936.00
TOTAL FOR 5th YEAR					₹ 28,080.00
G 6th year maintenance (@ Rs. 515/DLs)					
1	Climber cutting & upkeep @ 6 DLs/ha	12	DLs	515	₹ 6,180.00
2	Fire line protection @ 2 DLs/ha	4	DLs	515	₹ 2,060.00
3	Repairing of fencing where necessary 3DLs/ha	6	DLs	515	₹ 3,090.00
4	Control burning 4 DLs/ha	8	L.S.	515	₹ 4,120.00
TOTAL FOR 6th YEAR					₹ 15,450.00
H 7th year maintenance (@ Rs. 566/DLs)					
1	Pruning 6 DLs/ha	12	DLs	566	₹ 6,792.00
2	Fire line protection @ 2 DLs/ha	4	DLs	566	₹ 2,264.00
3	Control burning 4 DLs/ha	8	L.S.	566	₹ 4,528.00
TOTAL FOR 7th YEAR					₹ 13,584.00
I 8th year maintenance (@ Rs. 623/DLs)					
1	Pruning 6 DLs/ha	12	DLs	623	₹ 7,476.00
2	Fire line protection @ 2 DLs/ha	4	DLs	623	₹ 2,492.00
3	Control burning 4 DLs/ha	8	L.S.	623	₹ 4,984.00
TOTAL FOR 8th YEAR					₹ 14,952.00
J 9th year maintenance (@ Rs. 685/DLs)					
1	Pruning 6 DLs/ha	12	DLs	685	₹ 8,220.00
2	Fire line protection @ 2 DLs/ha	4	DLs	685	₹ 2,740.00
3	Control burning 4 DLs/ha	8	L.S.	685	₹ 5,480.00
TOTAL FOR 9th YEAR					₹ 16,440.00
K 10th year maintenance (@ Rs. 754/DLs)					
1	Pruning 6 DLs/ha	12	DLs	754	₹ 9,048.00
2	Fire line protection @ 2 DLs/ha	4	DLs	754	₹ 3,016.00
3	Control burning 4 DLs/ha	8	L.S.	754	₹ 6,032.00
TOTAL FOR 10th YEAR					₹ 18,096.00
TOTAL PROJECT COST FOR TEN (10) YEARS (For 1 Block of 2 ha area)					₹ 768,724

Total for 1 Block of 2 ha area	: Rs. 768724.00
Total for 1 Block of 1 ha area	: Rs. 384362.00
Total for 1.2 ha (Effective area of plantation)	: Rs. 461234.40
	: Rs. 461235.00

B Watch and Ward Expenditure					
1	Wages of watch and ward 1 No. for 365 days (1st year)	365	DLs	320	₹ 116,800
2	Wages of watch and ward 1 No. for 365 days (2nd year)	365	DLs	352	₹ 128,480
3	Wages of watch and ward 1 No. for 365 days (3rd year)	365	DLs	387	₹ 141,255
4	Wages of watch and ward 1 No. for 365 days (4th year)	365	DLs	426	₹ 155,490
5	Wages of watch and ward 1 No. for 365 days (5th year)	365	DLs	468	₹ 170,820
6	Wages of watch and ward 1 No. for 365 days (6th year)	365	DLs	515	₹ 187,975
7	Wages of watch and ward 1 No. for 365 days (7th year)	365	DLs	566	₹ 206,590
8	Wages of watch and ward 1 No. for 365 days (8th year)	365	DLs	623	₹ 227,395
9	Wages of watch and ward 1 No. for 365 days (9th year)	365	DLs	685	₹ 250,025
10	Wages of watch and ward 1 No. for 365 days (10th year)	365	DLs	754	₹ 275,210
TOTAL FOR WATCH AND WARD FOR TEN (10) YEARS					₹ 1,860,040
C Overhead Expenditure					
1	Cost of construction of semi permanent camp hut 6 M X 4 M with C. I. sheet roofing with tabular structure with facilities of cooking and improvised sanitary latrines, tubewells etc.	1	Nos	250000	₹ 250,000.00
2	Purchase of 1 No. of motorcycle for movement of staff @60,000/-	1	Nos	60000	₹ 60,000.00
3	Installation of 1 No. of tubewell for watering seedlings	1	L.S.	50000	₹ 50,000.00
4	Installation of a solar lighting system for the camp	1	L.S.	25000	₹ 25,000.00
5	Awareness and Monitoring	1	L.S.		₹ 20,000.00
6	Office Expenses		L.S.		₹ 20,000.00
7	Contingency		L.S.		₹ 10,000.00
TOTAL OVERHEAD EXPENDITURE					₹ 435,000.00

Grand Total (A+B+C) : (Rs. 4,61,235.00 + 18,60,040.00 + 4,35,000.00) = Rs. 27,56,275.00	
(Rupees Twenty Seven Lakhs Fifty Six Thousand Two Hundred Seventy Five Only)	
N.B.: The above estimation has been done on the presumption of Annual wages enhancement of 10% from the prevailing wages rate of Rs. 320/- per unskilled labour.	


 18/12/21
 Divisional Forest Officer
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