

**SCHEME FOR DWARF SPECIES/ MEDICINAL PLANTATION IN 1.4 HA AREA UNDER TRANSMISSION  
LINE CORRIDOR UNDER AIE VALLEY FOREST DIVISION**

*(Diversion of 132 KV Single Circuit Transmission Line on Double Circuit Tower from 220 KV Salakati GSS to 132  
KV APM GGS under Aie Valley Forest Division)*

Total effective area of transmission line in Bhairab Hill PRF : (786.99 M X 27 M) = 2.1248 HA

Total effective area of transmission line in Aie Valley Forest Division. : 2.1248 ha

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 786.99 = 0.4721 HA

among two strips, one 3 meters outer strip shall be left clear to permit maintenance activities of transmission line. Hence, free space for medicinal plantation shall be : 0.4721/2 = 0.2360 Ha

**Total area to be covered by medicinal plantation : 0.2360 Ha**

**Estimation for 2 Ha Block Plantation**

Spacing of plantation : 3 M X 3 M

Total No. of seedlings per block : 1100/ha X 2 = 2200 Nos.

ESTIMATE FOR 1 (ONE) BLOCK PLANTATION (2 HA)					
S.	Particular	Qty	Unit	Rate	Amount (Rs.)
<b>A</b>	<b>Advance work</b>				
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 for 2 ha = 50 DLs	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
	<b>TOTAL FOR ADVANCE WORK</b>				<b>₹ 465,640.00</b>
<b>B</b>	<b>1st year creation of Plantation and Maintenance (@ Rs. 320/DLs)</b>				
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.	40	DLs	320	₹ 12,800.00
4	4 weeding, vacancy filling etc 30DLs/ha = 60 DLs	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
	<b>TOTAL FOR 1st YEAR</b>				<b>₹ 69,320.00</b>

<b>C</b>	<b>2nd year maintenance (@ Rs. 352/DLs)</b>				
1	4 weeding, vacancy filling etc 30DLs/ha = 60 DLs	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
	<b>TOTAL FOR 2nd YEAR</b>				<b>₹ 46,332.00</b>
<b>D</b>	<b>3rd year maintenance (@ Rs. 387/DLs)</b>				
1	4 weeding, vacancy filling etc 30DLs/ha = 60 DLs	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
	<b>TOTAL FOR 3rd YEAR</b>				<b>₹ 52,714.00</b>
<b>E</b>	<b>4th year maintenance (@ Rs. 426/DLs)</b>				
1	4 weeding, vacancy filling etc 30DLs/ha = 60 DLs	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
	<b>TOTAL FOR 4th YEAR</b>				<b>₹ 28,116.00</b>
<b>F</b>	<b>5th year maintenance (@ Rs. 468/DLs)</b>				
1	3 weeding, vacancy filling etc 27DLs/ha = 54 DLs	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
	<b>TOTAL FOR 5th YEAR</b>				<b>₹ 28,080.00</b>
<b>G</b>	<b>6th year maintenance (@ Rs. 515/DLs)</b>				
1	Climber cutting & upkeep @ 6 DLs/ha = 12 DLs	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
	<b>TOTAL FOR 6th YEAR</b>				<b>₹ 15,450.00</b>
<b>H</b>	<b>7th year maintenance (@ Rs. 566/DLs)</b>				
1	Prunning 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
	<b>TOTAL FOR 7th YEAR</b>				<b>₹ 13,584.00</b>
<b>I</b>	<b>8th year maintenance (@ Rs. 623/DLs)</b>				
1	Prunning 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
	<b>TOTAL FOR 8th YEAR</b>				<b>₹ 14,952.00</b>
<b>J</b>	<b>9th year maintenance (@ Rs. 685/DLs)</b>				
1	Prunning 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
	<b>TOTAL FOR 9th YEAR</b>				<b>₹ 16,440.00</b>
<b>K</b>	<b>10th year maintenance (@ Rs. 754/DLs)</b>				
1	Prunning 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
	<b>TOTAL FOR 10th YEAR</b>				<b>₹ 18,096.00</b>
	<b>TOTAL PROJECT COST FOR TEN (10) YEARS (For 1 Block of 2 ha area)</b>				<b>₹ 768,724</b>

Total for 1 Block of 2 ha area

: Rs. 7,68,724

**Total for 0.2360 ha (Effective area of plantation)**

: Rs. (7,68,724/2) X 0.2360 (Block)

**: Rs. 90,709.43**


<b>B</b>	<b>Watch and Ward Expenditure</b>				
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
	<b>TOTAL FOR WATCH AND WARD FOR TEN (10) YEARS</b>				<b>₹ 1,860,040</b>
<b>C</b>	<b>Overhead Expenditure</b>				
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
	<b>TOTAL OVERHEAD EXPENDITURE</b>				<b>₹ 435,000.00</b>

**Grand Total (A+B+C) : (Rs. 7,68,724.00 + 18,60,040.00 + 4,35,000.00) = Rs. 30,63,764.00**

**(Rupees Thirty Lakhs Sixty Three Thousand Seven Hundred Sixty Four 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.

**Technically approved.**

  
 Conservator of Forests  
 Lower Assam Social Forestry Circle  
 Bongaigaon

**Submitted**

  
 Divisional Forest Officer  
 Aie Valley Division  
 Bongaigaon