

SCHEME FOR 106 HA DWARF SPECIES PLANTATION UNDER CHIRANG FOREST DIVISION

(Project: Construction of 400 KV Jigmelling-Alipurduar Transmission Line by PowerGrid Corporatio)

Total effective area of transmission line in MANASH R.F (PT-II)	: (22798 M X 46 M) =104.87 HA
Total effective area of transmission line in BENG TOL R.F	: (6460 M X 46 M) = 29.71 HA
Total effective area of transmission line in Haltugaon Forest Division (MANASH RF-pt-ii + BENG TOL RF)	: 134.58 Ha
Free Space area for Inspection and maintenance of transmission line	: (29258 M X 6 M) = 17.55 HA
Space for foundation of tower	: (83 Nos X 25m X 25m) = 5.18 HA
25m after each block in the whole length	: 55 X 25X 40 M = 5.5 HA
Total area to be covered by dwarf plantation	: 134.58 Ha - (17.55 + 5.18 + 5.5) ha = 106.35 (Say 106 Ha)
Size of block	: 500mX40m=2.0Ha
Spacing of plantation	: 3 m x 3 m
Total No of seedling	: 1100/Ha x 2 = 2200 Nos.
Name of species	Amlokhi (<i>Embllica officinalis</i>) Kordoi (<i>Averrhoa carambola</i>) Sonaru (<i>Cassia fistula</i>) Ber (<i>Zizypus spp</i>) Rababtenga (<i>Citrus becam</i> a) Duthkhari (<i>Halorrhena antidy</i> senterica) Sajana (<i>Morianga indica</i>) etc

ESTIMATE FOR 1 (ONE) BLOCK PLANTATION (2 HECTARE)

SN	Particulars	Qty	Unit	Rate	Amount (in Rs.)
A	Advance work				
1	Site selection Survey,demarcation,jungle cutting,burning etc.16DLS/Ha=Total 32DLS@Rs 240/-	32	DLS	240	7680.00
2	Procurement of stacking materials & making in to sticks & fixing at site @ 10 Dls/Ha= Total 20DLS@Rs 240/-	20	DLS	240	4800.00
3	Cost of full G.P.F fencing with 2 line barbed wire to be fitted on R.C.C pillars at 2 Mt.apart including labour for 600 Rm @ 720 per Rm	600	RM	720	432000.00
4	Wages of Dls for carrying ,fitting,fixing etc of fencing materials complete as directed @25 Dls/ha. For 2 Ha = 50 Dls	50	DLS	240	12000.00
5	Cost of Tools, implements,sign boards etc. including filling , fixing etc. @ 500/- per Ha	2 ha	L/S	500	1000.00
	TOTAL FOR ADVANCE WORK				457480.00
B	1st year Creation of Plantation and Maintenance				
1	Procurement of poly pot seedling @ Rs 7/- from departmental Nursery to the plantation site	2200	LS	7	15400.00
2	Transportation of poly pot seedling from existing Departmental nursery to the plantation site		LS		4000.00
3	Wages for planting with misc.spp. Like Amlokhi, G. Neem, Kordoi, Sonaru etc . With 3m X 3m spacing including carriage of seedling to the plantation site 20 Dls/ha = 40 Dls	40	DLS	240	9600.00
4	4 weeding,vacancy filling etc. 30 Dls/Ha=60-Dls	60	DLS	240	14400.00
5	Fire line protection @ 2 Dls/Ha	4	DLS	240	960.00
6	Watering of Seedlings @ 26 Dls/Ha	52	DLS	240	12480.00
	TOTAL FOR 1 st YEAR				56840.00

C	2nd year maintenance (@ Rs. 264/DLS)				
1	4 weeding,vacancy filling etc. 30 Dls/Ha=60-Dls	60	DLS	264	15840.00
2	Procurement of 500 nos of Polypot seedlings @Rs 7 per seedling for Vacancy filling	500	RS	7	3500.00
3	Watering of Seedlings @ 26 Dls/Ha	52	DLS	264	13728.00
4	Fire line protection @ 2 Dls/Ha	4	DLS	264	1056.00
5	Manuring of the Seedlings @ Rs. 1000/Ha	2	LS	1000	2000.00
	TOTAL FOR 2nd YEAR				36124.00
D	3rd year maintenance (@ Rs. 290/DLS)				
1	4 weeding,vacancy filling etc. 30 Dls/Ha=60-Dls	60	DLS	290	17400.00
2	Procurement of 500 nos of Polypot seedlings @Rs 7 per seedling for Vacancy filling	500	NOS	7	3500.00
3	Watering of Seedlings @ 26 Dls/Ha	52	DLS	290	15080.00
4	Repairing of fencing where necessary 3 Dls/Ha	6	DLS	290	1740.00
5	Fire line protection @ 2 Dls/Ha	4	DLS	290	1160.00
6	Manuring of the Seedlings @ Rs. 1000/Ha	2	LS	1000	2000.00
	TOTAL FOR 3rd YEAR				40880.00
E	4th year maintenance (@ Rs. 319/DLS)				
1	4 weeding,vacancy filling etc. 30 Dls/Ha=60-Dls	60	DLS	319	19140.00
2	Fire line protection @ 2 Dls/Ha	4	DLS	319	1276.00
3	Manuring of the Seedlings @ Rs. 1000/Ha	2	LS	319	638.00
	TOTAL FOR 4th YEAR				21054.00
F	5th year maintenance (@ Rs. 351/DLS)				
1	3 weeding,vacancy filling etc. 27Dls/Ha=54-Dls	54	DLS	351	18954.00
2	Fire line protection @ 2 Dls/Ha	4	DLS	351	1404.00
3	Manuring of the Seedlings @ Rs. 1000/Ha	2	LS	351	702.00
	TOTAL FOR 5th YEAR				21060.00
G	6th year maintenance (@ Rs. 387/DLS)				
1	Climber cutting & Up Keepment @ 6 Dls/Ha =12 Dls	12	DLS	387	4644.00
2	Fire line protection @ 2 Dls/Ha	4	DLS	387	1548.00
3	Repairing of fencing where necessary 3 Dls/Ha	6	DLS	387	2322.00
4	Control burning 4 Dls/Ha	8	DLS	387	3096.00
	TOTAL FOR 6th YEAR				11610.00
H	7 th year maintenance (@ Rs. 425/DLS)				
1	Prunning 6 Dls/Ha	12	DLS	425	5100.00
2	Fire line protection @ 2 Dls/Ha	4	DLS	425	1700.00
3	Control burning 4 Dls/Ha	8	DLS	425	3400.00
	TOTAL FOR 7th YEAR				10200.00
TOTAL PROJECT COST FOR SEVEN (7) YEARS (For 1 block of 2 ha. area)					655248.00

Total for 1 block of 2 Ha area

: Rs. 6,55,248.00

Total for 106 Ha (effective area for plantation)

: Rs. 6,55,248.00 x 53 (Block)

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Rs. 3,47,28,144.00

B Watch and Ward Expenditure					
1	Wages of watch and ward 5 No. for 365 days (1 st Year)	1825	DLS	240	438000.00
2	Wages of watch and ward 5 No. for 365 days (2 nd Year)	1825	DLS	264	481800.00
3	Wages of watch and ward 5 No. for 365 days (3 rd Year)	1825	DLS	290	529250.00
4	Wages of watch and ward 5 No. for 365 days (4 th Year)	1825	DLS	319	582175.00
5	Wages of watch and ward 5 No. for 365 days (5 th Year)	1825	DLS	351	640575.00
6	Wages of watch and ward 5 No. for 365 days (6 th Year)	1825	DLS	387	706275.00
7	Wages of watch and ward 5 No. for 365 days (7 th Year)	1825	DLS	425	775625.00
TOTAL FOR WATCH AND WARD FOR SEVEN (7) YEARS					4153700.00
C Overhead Expenditure					
1	Cost of construction of semi permanent camp hut 6mt X 4 mt with C.I. sheet roofing with tabular structure with facilities of cooking and improvised Sanitary latrines, tube well etc.	5	No	250000	1250000.00
2	Purchase of 5 no of motorcycle for movement of staff @60,000/-	5	No	60000	300000.00
3	Installation of 5 nos Ring well for watering seedlings	5	LS	50000	250000.00
4	Installation of a Solar Lighting System for the camp	5	LS	25000	125000.00
5	Awareness and Monitoring		LS		200000
6	Office expenses		LS		200000
7	Contingency		LS		100000
TOTAL OVERHEAD EXPENDITURE					2425000.00
Grand Total (A+B+C) : (Rs. 3,47,28,144.00 + Rs.41,53,700.00 + Rs. 24,25,000.00) = Rs. 4,13,06,844.00					
(RUPEES FOUR CRORE THIRTEEN LAKHS SIX THOUSAND EIGHT HUNDRED FORTY FOUR ONLY)					
N.B: The above estimation has been done on the presumption of Annual wags enhancement of 10 % from the prevailing wages rate of Rs 240 per unskilled labour					

Technically Approved by

[Signature]

Addl. Principal Chief Conservator of Forests
Cum Council Head of Department, Forests
Bodoland Territorial Council
Kokrajhar



DFO, CHIRANG FOREST DIVISION

[Signature]

**Divisional Forest Officer
Chirang Division
Kajalgaon**