

SCHEME FOR 55 HA DWARF SPECIES PLANTATION UNDER HALTUGAON FOREST DIVISION

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

Total effective area of transmission line in MANASH R.F	: (1176 M X 46 M) =5.4096 HA
Total effective area of transmission line in CHIRANG R.F	: (14059 M X 46 M) = 64.676 HA
Total effective area of transmission line in Haltugaon Forest Division (MANASH RF + CHIRANG RF)	: 70.08 Ha
Free Space area for Inspection and maintenance of transmission line	: (15236 M X 6 M) =9.1416 HA
Space for foundation of tower	: (44 Nos X 25m X 25m) = 2.75 HA
25m after each block in the whole length	: 30 X 25X 40 M = 3 HA
	: 70.08 Ha - (9.14 + 2.75 + 3) ha
Total area to be covered by dwarf plantation	= 55.19 (Say 55 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>Emblia officinalis</i>) Kordoi (<i>Averrhoa carambola</i>) Sonaru (<i>Cassia fistula</i>) Ber (<i>Zizypus spp</i>) Rababtenga (<i>Citrus becoma</i>) Duthkhari (<i>Halorrhena antidyssenterica</i>) 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. 16 DLS/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 20 DLS@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

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3	Wages for planting with misc.spp. Like Amlokihi, 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	Pruning 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 55 Ha (effective area for plantation)

: Rs. 6,55,248.00 x 27.5 (Block)

= Rs. 1,80,19,320.00

B	Watch and Ward Expenditure				
1	Wages of watch and ward 3 No. for 365 days (1 st Year)	1095	DLS	240	262800.00
2	Wages of watch and ward 3 No. for 365 days (2 nd Year)	1095	DLS	264	289080.00
3	Wages of watch and ward 3 No. for 365 days (3 rd Year)	1095	DLS	290	317550.00
4	Wages of watch and ward 3 No. for 365 days (4 th Year)	1095	DLS	319	349305.00
5	Wages of watch and ward 3 No. for 365 days (5 th Year)	1095	DLS	351	384345.00
6	Wages of watch and ward 3 No. for 365 days (6 th Year)	1095	DLS	387	423765.00
7	Wages of watch and ward 3 No. for 365 days (7 th Year)	1095	DLS	425	465375.00
				TOTAL FOR WATCH AND WARD FOR SEVEN (7) YEARS	2492220.00
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.	3	No	250000	750000.00
2	Purchase of 3 no of motorcycle for movement of staff @60,000/-	3	No	60000	180000.00
3	Installation of 3 nos Ring well for watering seedlings	3	LS	50000	150000.00
4	Installation of a Solar Lighting System for the camp	3	LS	25000	75000.00
5	Awareness and Monitoring		LS		100000
6	Office expenses		LS		100000
7	Contingency		LS		50000
				TOTAL OVERHEAD EXPENDITURE	1405000.00
Grand Total (A+B+C) : (Rs. 1,80,19,320.00 + Rs. 24,92,220.00 + Rs. 14,05,000.00) = Rs. 2,19,16,540.00					
(RUPEES TWO CRORE NINETEEN LAKHS SIXTEEN THOUSAND FIVE HUNDRED FORTY 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
Cumi Council Head of Department, Forests
Badolandi Terkoral Council
Kokrajhar**

**Divisional Forest Officer
Haltugan Division Kokrajhar**