

Area (ha)	=	141
Spacing (m X m)	=	2 X 2
Number of Saplings/ ha	=	2500
Length of Fence (RM)	=	12000
Wage rate for the 1st year(Rs.)	=	250
Increase in wage rate for subsequent years by a factor	=	1.1
Appreciation of material costs by a factor	=	1.1

S.No.	Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit (Rs.)	Amount
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ERECTION OF FENCING						
@Rs. 250 /DL						
A	(a) Cost of full Chain-linked Goat Proof fencing (4" ht. with 10 Gauge, 3" dia link) to be fitted on Pre-cast RCC pillars* at 1.8 mt. apart including transportation of fencing materials to site for 12000 RM @ Rs. 800 per RM as per estimate	RMs	12000	800		9600000
	(b) Wages of DLS for carrying, fitting, fixing etc. of fencing materials @ 20 DLS/ 100 RM	DLS	2400	250		600000
	Sub-total					10200000

INFRASTRUCTURE IN PLANTATION AREA						
B	Construction of camp hut (atleast one upto 25 ha & thereafter one per every 25 ha) as per estimate	nos.	5	1,50,000		750000
	Installation of ring/tube well (atleast one upto 10 ha & thereafter two per every 25 ha)	nos.	8	50,000		400000
	Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)	nos.	1	50,000		50000
	Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha)	nos.	5	10,000		50000
	Cost of RCC signboard & Gate including fitting and fixing of the same (atleast one upto 25 ha & thereafter one per every 25 ha)	nos.	5	60,000		300000
	Camp accessories @ Rs. 10,000/ per camp	nos.	5	10,000		50000
	Construction of Inspection Path 5781 RM @ Rs. 50/- RM	RMs	6000	50		300000
	Construction of Staff quarters as per estimate (One unit for 10 to 50 ha & thereafter one unit per every 50 ha)	nos.	3	8,00,000		2400000
	Provision of Solar energy for staff quarters including installation	nos.	3	70,000		210000
	sub total					4510000
	@Rs. 250 /DL					

C ADVANCE WORK						
C	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLS/ha	DLS	20	2820	250	705000
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot	nos.	2500	352500	6	2115000
	Preparation of polypot saplings in the field nursery for vacancy filling					
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e., 625 Seedlings/ ha @ Rs.6.5/- per polypot	nos.	625	88125	6.5	572813
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e., 500 Seedlings/ ha @ Rs.7/- per polypot	nos.	500	70500	7	493500
	c) 15% mortality expected during 3rd year (to be planted in the field during the 4th year) i.e., 375 Seedlings/ ha @ Rs.7.5/- per polypot	nos.	375	52875	7.5	396563

Member Secretary

Member

Member

Chairman

d) 10% mortality expected during 4th year (to be planted in the field during the 5th year), i.e., 250 Seedlings/ ha @ Rs.8/- per polypot		nos.	250	35250	8	282000
Cost of Bamboo, making of stacking & transportation etc		nos.	625	88125	1	88125
Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha		DLs	5	705	250	176250
Supervision and Monitoring		L.S.				20000
Sub total						4849250
D CREATION & 1st YEAR MAINTENANCE		@Rs. 250 /DL				
Soil working, carriage of stumps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ ha		DLs	40	5640	250	1410000
5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding		DLs	90	12690	250	3172500
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha		DLs	5	705	250	176250
Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).		DLs		1095	250	273750
Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work		L.S.				10000
Awareness & Monitoring @ Rs. 800/ha		L.S.		141	800	112800
Sub total						5155300
E 2nd YEAR MAINTENANCE		@ Rs. 275 /DL				
5 weedings, fire protection works @ 15 DLs/ha/weeding		DLs	75	10575	275	2908125
25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha		DLs	10	1410	275	387750
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha		DLs	5	705	275	193875
Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).		DLs		1095	275	301125
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.		L.S.				11000
Supervision Cost		L.S.		1		112800
Contingency L.S.		L.S.				5000
sub total						3919675
F 3rd YEAR MAINTENANCE		@ Rs. 303 /DL				
4 weedings, fire protection works @15 DLs/ha/weeding		DLs	60	8460	303	2559150
20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha		DLs	8	1128	303	341220
Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha		DLs	5	705	303	213263
Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).		DLs		1095	303	331238
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records		L.S.				12100
Supervision Cost		L.S.		1		112800
Contingency @ 15 % over previous year		L.S.				5750
Sub total						3575520
G 4th YEAR MAINTENANCE		@ Rs. 333 /DL				
4 weedings, fire protection works @15 dls/ha/weeding		DLs	60	8460	333	2815065
15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha		DLs	6	846	333	281507

	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	705	333	234589
	Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantation area(2 DL for 365 days).	DLs		1095	333	364361
	Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S.				13310
	Supervision Cost	L.S.		1		112800
	Contingency @ 15 % over previous year	L.S.				6613
	sub total					3828244
H	5th YEAR MAINTENANCE	@ Rs. 366 /DL				
	Climber cutting, weeding & other silvicultural works and fire protection works @ 15DLs/ha	DLs	15	2820	366	1032191
	10% Vacancy filling by 2 year old seedlings from nursery@ 4DLs/ha	DLs	4	564	366	206438
	Maintenance & fencing post replacement @ 3% initial cost of material			0.03	9600000	288000
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	564	366	206438
	Watch and ward for the plantation area(2 DL for 365 days).	DLs		730	366	267198
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				14641
	Supervision Cost	L.S.		1		112800
	Contingency @ 15 % over previous year	L.S.				7604
	sub total					2135310
I	6th YEAR MAINTENANCE	@ Rs. 403 /DL				
	Climber cutting, other silvicultural works and fire protection works @15 DLs/ha	DLs	15	2115	403	851557
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	564	403	227082
	Watch and ward for the plantation area(2 DL for 365 days).	DLs		730	403	293918
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				16105
	Supervision Cost	L.S.				112800
	Contingency @ 15 % over previous year	L.S.				8745
	sub total					1510207
J	7th YEAR MAINTENANCE	@ Rs. 443 /DL				
	Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha	DLs	12	1692	443	749370
	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha	DLs	5	705	443	312238
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				17716
	Supervision Cost	L.S.				112800
	Contingency @ 15 % over previous year	L.S.				10057
	sub total					1202180
K	8th YEAR MAINTENANCE	@ Rs. 487 /DL				
	Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha	DLs	8	1128	487	549538
	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha	DLs	5	705	487	343461

	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				19487
	Supervision Cost	L.S.				112800
	Contingency @ 15 % over previous year	L.S.				11565
	<i>sub total</i>					1036852
I	9th YEAR MAINTENANCE	@ Rs. 536 /DL				
	Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	987	536	528931
	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha	DLs	5	705	536	377808
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				21436
	Supervision Cost	L.S.				112800
	Contingency @ 15 % over previous year	L.S.				13300
	<i>sub total</i>					1054274
M	10th YEAR MAINTENANCE	@ Rs. 589 /DL				
	Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha	DLs	6	846	589	498706
	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs /ha	DLs	4	564	589	332471
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				23579
	Supervision Cost	L.S.				112800
	Contingency @ 15 % over previous year	L.S.				15295
	<i>sub total</i>					982851
	Total ₹ =					43959664
	Over head cost @ 50% of Total CA Cost ₹ =					21979833
	Grand Total ₹ =					65939497

NOTE:

Cost escalation of 10 % annually has been considered for wages

The norms should be revised annually based on wage rate & cost of materials

*Pre-cast RCC pillar with 5"x5" cross-section- of 6 ft height (1.5 ft below ground & 4.5 ft above ground) with readymade concrete base of 1 ft width for fixing.

Technically Approved by

[Signature]

Addl. Principal Chief Conservator of Forests,
cum CHD, Bodoland Territorial Council,
Kokrajhar.

[Signature]
Divisional Forest Officer
Hailuagan Division, Kokrajhar