

Appreciation of material costs by a factor: 1.1

Sl	Particulars of works	Unit	Qty/ Ha	Total Qty	Rate/ Unit	Amount (in Rs)
A. FRECTION OF FENCING @Rs.250/Dls.						
1	(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 720 RM @Rs.800 per RM as per estimate.	RMS		832	800	665600.00
2	(b) Waes of DLs for carrying, fitting, fixing etc of fencing materials @ 20 Dls/100 RM	Dls		167	250	41750.00
					Sub-Total	707350.00
B. INFRASTRUCTURE IN PLANTATION AREA @Rs.250/Dls.						
1	Construction of camp hut (atleast one upto 25Ha & thereafter one per every 25ha) as per estimate	Nos		1	150000	150000.00
2	Installation of ring/tube well (atleast one upto 25Ha & thereafter one per every 25ha)	Nos		1	50000	50000.00
3	Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)	Nos		1	50000	50000.00
4	Cost of tolls & implements (one unit upto 25 Ha & thereafter one unit per every 25 Ha)	Nos.		1	10000	10000.00
5	Cost of RCC signboard & Gate including fitting and fixing of the same (atleast one upto 25Ha & thereafter one per every 25ha)	Nos.		1	60000	60000.00
6	Camp accessories @ Rs.10,000/per camp	Nos.		1	10000	10000.00
7	Construction of Inspection Path 400 Rm @Rs.50/-RM	RMS		416	50	20800.00
					Sub Total	350800.00
C. ADVANCE WORK @Rs.250/Dls.						
1	site selection, surveying, demarcation, jungle cutting, burning etc 20 Dls/ha	Dls	20	77	250	19250.00
2	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/Ha @Rs.6/- per polypot.	Nos.	2500	9590	6	57540.00
					Sub Total	76790.00

1	Preparation of polypot saplings in the field nursery for vacancy filling.					
2	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	2398	6.5	15587.00
3	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	1918	7	13426.00
4	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	1439	7.5	10792.50
5	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	959	8	7672.00
6	Cost of Bamboo, making of stacking & transportation etc.	Nos.	625	2398	1	2398.00
7	Line alignment, carriage of stacking materials and fixing the stacking @ 5 Dls/ha	Dls	5	20	250	5000.00
8	Supervision and Monitoring	L.S.				10000.00
	Sub Total					64875.50
	D) CREATION & 1ST YEAR MAINTENANCE				@Rs.250/Dls.	
1	Soil working carriage of stumps, polypot seedling and planting at the plantation site including, dibbing of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 Dls/ha.	Dls	40	154	250	38500.00
2	5 weeding, mulching and fire protection works @ 18 Dls/ha/weeding	Dls	90	346	250	86500.00
3	Upkeepment of plantation and making of inspection path, repairing of fence etc on day to day basis @ 5Dls/ha	Dls	5	20	250	5000.00
4	Maintenance and protection of field nursery and watch and ward for the plantation area (Dls for 365 days)	Dls		365	250	91250.00
5	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records and other misc work.	L.S.				10000.00
6	Awareness & monitoring @Rs.800/ha	L.S.		3.836	800	3068.80
	Sub Total					234318.80
	E. 2nd YEAR MAINTENANCE				@Rs.275/Dls.	
1	5 weedings, fire protection works @ 15 Dls/ha/weeding	Dls	75	290	275	79750.00

2	25% Vacancy filling by 1 year old seedlings from nursery @ 10 Dls/ha	Dls	10	39	275	10725.00
3	Upkeepment of plantation and making of inspection path, repairing of fence etc on day to day basis @ 5Dls/ha	Dls	5	20	275	5500.00
4	Maintenance and protection of field nursery and watch and ward for the plantation area (Dls for 365 days)	Dls		365	275	100375.00
5	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				11000.00
6	Supervision Cost	L.S.				4000.00
7	Contingency L.S	L.S.				2500.00
Sub Total						213850.00
F) 3rd YEAR MAINTENANCE @Rs.302.5/Dls.						
1	4 weedings, fire protection works @ 15 Dls/ha/weeding	Dls	60	231	302.5	69877.50
2	20% Vacancy filling by 2 year old seedlings from nursery @ 8 Dls/ha	Dls	8	31	302.5	9377.50
3	Protection work, cattle, watering, upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha.	Dls	5	20	302.5	6050.00
4	Maintenance and protection of field nursery and watch and ward for the plantation area (Dls for 365 days)	Dls		365	302.5	110412.50
5	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				12100.00
6	Supervision Cost	L.S.				4000.00
7	Contingency @ 15% over previous year	L.S.				2875.00
Sub Total						214692.50
4th YEAR MAINTENANCE @Rs.332.75/Dls.						
1	4 weedings, fire protection works @ 15 Dls/ha/weeding	Dls	60	231	332.75	76865.25
2	15% Vacancy filling by 2 year old seedlings from nursery @ 6 Dls/ha	Dls	6	23	332.75	7653.25
3	Upkeepment of plantation and making of inspection path, repairing of fence etc on day to day basis @ 5Dls/ha	Dls	5	20	332.75	6655.00
4	Maintenance and protection of field nursery and watch and ward for the plantation area (Dls for 365 days)	Dls		365	332.75	121453.75

5	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				10211.00
6	Supervision Cost	L.S.				4000.00
7	Contingency @ 15% over previous year	L.S.				3306.00
Sub Total						230144.25
5th YEAR MAINTENANCE @Rs.336.025/Dls.						
1	Climber cutting, fire protection and other silvicultiural works 15 Dls/Ha	Dls	15	58	336.025	19489.45
2	10% Vacancy filling by 2 year old seedlings from nursery @ 4 Dls/ha	Dls	4	16	336.025	5376.40
3	Maintenance & fencing post replacement @3% initial cost of materials			3	665600	19968.00
4	Upkeepment of plantation and making of nspection path, repairing of fence etc on day to day basis @ 4Dls/ha	Dls	4	16	336.025	5376.40
5	Watch and ward for the plantation area (1DL for 365 days)	Dls		365	336.025	122649.13
6	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				14641.00
7	Supervision Cost	L.S.				4000.00
8	Contingency @ 15% over previous year	L.S.				3802.00
Sub Total						195302.38
6th YEAR MAINTENANCE @Rs.402.62/Dls						
1	Climber cutting, fire protection and other silvicultiural works 15 Dls/Ha	Dls	15	58	402.62	23351.96
2	Upkeepment of plantation and making of nspection path, repairing of fence etc on day to day basis @ 4Dls/ha	Dls	4	16	402.62	3920.00
3	Watch and ward for the plantation area (1DL for 365 days)	Dls		365	402.62	146956.30
4	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				12356.00
5	Supervision Cost	L.S.				4000.00
6	Contingency @ 15% over previous year	L.S.				4373.00
Sub Total						194957.26
7th YEAR MAINTENANCE @Rs.442.88/Dls.						
1	Climber cutting, fire protection and other silvicultiural works 12 Dls/Ha	Dls	12	46	442.88	20372.48
2	Protection work, cattle, watering, upkeepment of plantation and making of inspection path, reparing of fence etc. on day to day basis @ 5 Dls/ha.	Dls	25	20	442.88	5380.00

3	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				13592.00
4	Supervision Cost	L.S.				4000.00
5	Contingency @ 15% over previous year	L.S.				5028.00
Sub Total						48372.48
8 th YEAR MAINTENANCE @Rs.487.16/Dls.						
1	Climber cutting, fire protection and other silvicultiural works 10 Dls/Ha	Dls	10	39	487.16	18999.24
2	Protection work, cattle, watering, upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha.	Dls	5	20	487.16	9743.20
3	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				14950.00
4	Supervision Cost	L.S.				4000.00
5	Contingency @ 15% over previous year	L.S.				5783.00
Sub Total						53475.44
9 th YEAR MAINTENANCE @Rs.535.87/Dls.						
1	Climber cutting, fire protection and other silvicultiural works 10 Dls/Ha	Dls	10	39	535.87	20898.93
2	Protection work, cattle, watering, upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha.	Dls	5	20	535.87	10717.40
3	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				16446.00
4	Supervision Cost	L.S.				4000.00
5	Contingency @ 15% over previous year	L.S.				6650.00
TOTAL						58712.33
10 th YEAR MAINTENANCE @Rs.589.45/Dls.						
1	Climber cutting, fire protection and other silvicultiural works 10 Dls/Ha	Dls	10	39	589.45	22988.55
2	Protection work, cattle, watering, upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha.	Dls	5	20	589.45	11789.00
3	Maintenance of camp huts, implements, ring/tube well upkeepment of plantation, signboard, documents, upkeepment of records etc.	L.S.				18090.00
4	Supervision Cost	L.S.				4000.00
5	Contingency @ 15% over previous year	L.S.				7648.00

	Sub Total	64515.55
	Total	2708156.49
	Overhead cost @ 50% of total estimate	1354078.24
GRAND TOTAL FOR RAISING 3.836 Ha		4062234.73

Cost escalation of 10% annually has been considered for wages.


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

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



Divisional Forest Officer
Golaghat Division
Golaghat

Technically Approved



**Conservator of Forests
Eastern Assam Circle
Jorhat**