

ESTIMATE FOR COMPENSATORY AFFORESTATION FOR 8.86 HA. DIVERSION PROPOSAL OF 4.43 HA. DIVERSION OF FOREST LAND FOR NON FORESTRY PUSPOSE FOR INSTALATION OF GELEKY PIPE LINE NETWORK PROJECT UNDER ASSAM RENEWAL PROJECT IN SIVASAGAR DISTRICT AT GELEKY RESERVED FOREST UNDER SIVASAGAR DIVISION OF SIVASAGAR RANGE

Area in Ha:	8.86
Spacing (m x m) :	2x2
Number of Sapling/Ha:	2500
Lengh of Fence (RM) :	1191
Wage rate for the 1st year (Rs.) :	250
Increase in wage rate for subsequent years by a factor: 1.1	1:01
Appreciation of material costs by a facor: 1.1	1:01

Sl	Particulars of works	Unit	Quantity/ ha	Total Qty	Rate/ Unit	Amount (in Rs)
A. ERECTION 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* 4" X 4" at 1.8 mt apart including transportation of fencing materials to site for 1191 RM @Rs.800 per RM as per estimate.	RMS		1191	800	952800
2	(b) Wages of DLs for carrying, fitting, fixing etc of fencing materials @ 20 Dls/100 RM	Dls	20	238	250	59500
Sub-Total						1012300
B. INFRASTRUCTURE IN PLANTATION AREA						@Rs.250/Dls.
1	Cost of tools & implements	LS		1	5000	5000
Sub total						5000
C ADVANCED WORK						
1	Site selection, surveying, demarcation, jungle cutting etc; 20 Dls/ha	Dls	20	177	250	44250
2	Preparation and acquisition of biodegradable poly pot seedling/stumps in the field nursery for planting 2500 nos seedlings/ha @ 8/seedlings.	Nos.	2500	22150	8	177200
3	Preparation of biodegradable poly pot seedlings in the field nursery for vacancy filling					
a	25% mortality expected during 1st years (to be planted in the field during the 2nd year) i.e. 625 seedling/ha @ 8/per	Nos.	625	5538	8	44304
b	20% mortality expected during 2nd years (to be planted in the field during the 3rd year) i.e. 500 seedling/ha @ 8/per	Nos.	500	4430	8	35440
Sub total						301194
D) CREATION & 1ST YEAR MAINTENANCE						@Rs.250/Dls.

1	Soil working carriage of stumps, Biodegradable P/P 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	354	250	88500
2	5 weeding, mulching and fire protection works @ 18 Dls/ha/weeding	Dls	18	797	250	199250
11	Contingency	L.S				5000
Sub Total						292750
E. 2nd YEAR MAINTENANCE						@Rs.275/Dls.
1	5 weedings, fire protection works @ 10 Dls/ha/weeding	Dls	10	443	275	121825
2	25% Vacancy filling by 1 year old seedlings from nursery @ 10 Dls/ha	Dls	10	89	275	24475
3	Contingency L.S	L.S.		1	5000	5000
Sub Total						151300
F) 3rd YEAR MAINTENANCE						@Rs.302/Dls.
1	4 weedings, fire protection works @ 8 Dls/ha/weeding	Dls	8	283	302	85466
2	20% Vacancy filling by 2 year old seedlings from nursery @ 8 Dls/ha	Dls	8	71	302	21442
3	Contingency	L.S.			5000	5000
Sub Total						111908
G. 4th YEAR MAINTENANCE						@Rs.332/Dls.
1	4 weedings, fire protection works etc. @ 8 Dls/ha	Dls	8	283	332	93956
2	Contingency	L.S.			5000	5000
Sub Total						98956
H. 5th YEAR MAINTENANCE						@Rs.365/Dls.
1	Climber cutting, fire protection and other silvicultural works 5 Dls/Ha	Dls	5	44	365	16060
2	Contingency	L.S.				5000
Sub Total						21060
I. 6th YEAR MAINTENANCE						@Rs.403/Dls
1	Climber cutting, fire protection and other silvicultural works 5 Dls/Ha	Dls	5	44	403	17732
2	Contingency	L.S.				5000
Sub Total						22732
J. 7th YEAR MAINTENANCE						@Rs.441/Dls.
1	Climber cutting, fire protection and other silvicultural works 5 Dls/Ha	Dls	5	44	441	19404
2	Contingency	L.S.				5000
Sub Total						24404
K. 8th YEAR MAINTENANCE						@Rs.485/Dls.
1	Climber cutting, fire protection and other silvicultural works 5 Dls/Ha	Dls	5	44	485	21340
2	Contingency	L.S.				5000
Sub Total						26340
L. 9th YEAR MAINTENANCE						@Rs.533/Dls.

1	Climber cutting, fire protection and other silvicultural works 5 Dls/Ha	Dls	5	44	533	23452
2	Contingency	L.S.				5000
Sub Total						28452
M. 10th YEAR MAINTENANCE @Rs.589/Dls.						
1	Climber cutting, fire protection and other silvicultural works 5 Dls/Ha	Dls	5	44	589	25916
2	Contingency	L.S.				5000
Sub Total						30916
Total of 10 year Rs.						2127312
Overhead cost @ 50% of total estimated amount Rs.						1063656
GRAND TOTAL FOR RAISING 8.86 ha. Rs.						3190968
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						
NB:Mix Indigenous Tree species having biodiversity value will be chosen for plantation.						

[Signature]
Divisional Forest Officer
Sivasagar Division
Sivasagar

Abstract Of Financial Expenditure		
	Component	Expenditure
A	Erecting of Fencing	1012300
B	Infrastructure in Plantation area	5000
C	Advance Work	301194
D	Creation & 1st year maintenance	292750
E	2nd year maintenance	151300
F	3rd year maintenance	111908
G	4rd year maintenance	98956
H	5th year maintenance	21060
I	6th year maintenance	22732
J	7th year maintenance	24404
K	8th year maintenance	26340
L	9th year maintenance	28452
M	10th year maintenance	30916
Total of 10 year Rs.		2127312
Overhead cost @ 50% of total estimated amount Rs.		1063656
GRAND TOTAL FOR RAISING 8.86 ha. Rs.		3190968

Countersigned
[Signature] 20/11/2019
Conservator of Forests
Eastern Assam Circle
Jorhat