

**ESTIMATE FOR CREATION AND MAINTENANCE OF 7.26 HECT
COMPENSATORY AFFORESTATION PLANTATION AT BURIDEHING RF UNDER KHATANGPANI
RANGE OF DOOMDOOMA DIVISION
(Minimizing the use of polythene and RCC construction)**

ESTIMATE BASED ON CAMPA NORMS

Location: BURIDEHING R.F.

Area in Hectare

SPACING (m x m)

No. of Saplings/ha

Length of fence (RM)

Wage Rate for first year (Rs.)

Increase in wages rate for subsequent years by a factor

Appreciation of material costs by a factor

= 7.26
= 2 X 2
= 2500 (Total 103600 nos)
= 1779
= 250
= 1:1
= 1:1

Species to be planted:

Plywood species:, Hollong = 20%

Hardwood species: Bola, Khokan, Urium, Ajar, Poma, = 20%,

Medicinal species: Hilikha, Bhumura, Amlakhi, Hoguni (Amor) Lota, Neem, Dimuru, Bhatghilla, Sajina, Holfoli, Kordoi, Amora, Sewali, Jumuka lota, other plants used as traditional medicine = 20%,

All species of Thekera-22 species: 10%,

Giloy (Amor lota/Hoguni lota): 10%

Fruit species: Bogi jamuk, Black Jamuk, Jalphai, Teteli, Mango, Guava, Letuku, Bokul, Owtenga, Kathal, Lemon, Sopeta, Robub tenga = 20%

SI No	Particulars of works	Unit	Qty/ Ha	Total Qty.	Rate/Unit	Amount (in Rs.)
A	ERECTION OF FENCING				250/DL	
	(a) Cost of full chain linked Goat Proof fencing (4 ft ht. with 10 Gauge, 3" dia link) to be fitted on pre-cast RCC pillars 4"x4" at 1.80 mt. apart including transportation of fencing materials to site for 1779 RM @ Rs.800/per RM as per estimate	RMs	-	1779	800	1423200.00
	(b) Wages of DIs for carrying, fitting, fixing etc. of fencing materials @ 20 DIs/ per 100 RM	DLs	-	356	250	89000.00
	Sub-total					1512200.00
B	INFRASTRUCTURE IN PLANTATION AREA					
	Construction of Eco Cottage (at least one up to 25 ha and thereafter one per every 25 ha-one at Entry and the other at Exit point) as per estimate.	Nos.	-	1	150000	150000.00
	Installation of ring/tube well (at least one up to 10 ha and there after two per every 25 ha)	Nos.	-	1	50000	50000.00
	Irrigation facility with Solar generator and hose pipes for watering the nursery and plantation (during dry spells)	Nos.	-	1	50000	50000.00



	Cost of tools & implements (at least one up to 25 ha and thereafter one unit per every 25 ha)	Nos.	-	1	10000	10000.00
	Cost of Display board with eco-friendly materials (On iron frame) to convey conservation message and Gates (Entry and Exit) including fitting and fixing of the same.	Nos.	-	1	(i)Gate @15000 (ii)Display board @45000	60000.00
	Camp accessories @ Rs.10,000/per camp	Nos.	-	1	10000	10000.00
	Construction of Central Inspection Path 250RM @ Rs. 102.5/-RM (Width 10')	RMs	-	250	102.5	25625.00
	Sub-total					355625.00
C	ADVANCE WORK @ Rs. 250/DL					
	Site selection, surveying, demarcation, jungle cutting, Making compost etc. 20 Dls/Ha	DLs	20	145	250	36250.00
	Preparation and acquisition of Bamboo/Coconut pot saplings in the field nursery for planting 2500 Nos. seedlings/ha @ Rs. 6/ per pot	Nos.	2500	18150	6	108900.00
	Preparation of Bamboo/Coconut pot 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 Bamboo/Coconut pot	Nos.	625	4538	6.5	29497.00
	b) 20% mortality expected during 2nd Year (to be planted in the field during the third year). i.e. 500 seedlings/ha @ Rs. 7/-per Bamboo/Coconut pot	Nos.	500	3630	7	25410.00
	c) 15% mortality expected during 3 rd Year (to be planted in the field during the 4th year). i.e. 375 seedlings/ha @ Rs. 7.50 per Bamboo/Coconut pot	Nos.	375	2723	7.5	20422.00
	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 Bamboo/Coconut pot	Nos.	250	1815	8	14520.00
	Cost of bamboo, making, stacking & transportation etc.	Nos.	625	4538	1	4538
	Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha.	DLs	5	36	250	9000.00
	Supervision & Monitoring	L.S.				10000.00
	Sub-total					113387.00
D	CREATION & 1st YEAR MAINTENANCE @ Rs. 250/DL					
	Soil working, carriage of stump, Bamboo/Coconut pot seedlings & planting at the plantation site including dibbling of seeds wherever necessary to	DLs	40	290	250	72500.00



	complete raising of plantation with all necessary operations @ 40 DLs/ha.					
	5 weedings, mulching & fire protection works @ 18 DLs/ha /weeding	DLs	90	131	250	32750.00
	Upkeep of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	36	250	9000.00
	Maintenance & protection of field nursery (1 DL for 365 days) & watch & ward for the plantation area (1 DLs for 365 days)	DLs	2	730	250	182500.00
	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, display board, documentation, upkeep of records and other misc. work.	LS	-	-	-	10000
	Awareness and monitoring @ Rs. 800/ha	L.S.	-	7.26	800	5808.00
				Sub-total		312558.00
E	2nd YEAR MAINTENANCE				@ Rs. 275/DL	
	5 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	75	545	275	149875.00
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	73	275	20075.00
	Upkeep of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	36	275	9900.0
	Maintenance & protection of field nursery (1 DL for 365 days) & watch & ward for the plantation area (1DLs for 365 days)	DLs	2	730	275	200750.00
	Maintenance of Eco cottages, implements, ring/tube-well, upkeep of plantation, display board, documentation, upkeep of records etc.	L.S.	-	-	-	11000.00
	Supervision cost	L.S.	1			10000.00
	Contingency L.S.	L.S.				2500.00
				Sub-total		404100.00
F	3rd YEAR MAINTENANCE				@ Rs. 302/DL	
	4 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	60	436	302	131672.00
	20% vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	58	302	17516.00
	Protection work, cattle watching, upkeep of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	36	302	10872.00
	Maintenance & protection of field nursery (1 DL for 365 days) & watch & ward for the plantation area (1DLs for 365 days)	DLs	3	730	302	220460.00



	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, Display board, documentation, upkeep of records.	L.S.	-	1	-	12100.00
	Supervision cost	L.S.	1		-	10000.00
	Contingency @ 15% over previous year	L.S.				2857.00
	Sub-total					405477.00
G	4th YEAR MAINTENANCE @ Rs. 332/DL					
	4 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	60	436	332	144752.00
	15% vacancy filling by 2 years old seedlings from nursery @ 6 DLs/ha	DLs	6	44	332	14608.00
	Upkeep of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	36	332	11952.00
	Maintenance & protection of field nursery (1 DL for 365 days) & watch & ward for the plantation area (1 DLs for 365 days)	DLs	3	730	332	242360.00
	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, display board, documentation, upkeep of records etc.	L.S.	-	-	-	13310.00
	Supervision cost	L.S.		1		10000.00
	Contingency @ 15% over previous year	L.S.				3306.00
	Sub-total					440288.00
H	5th YEAR MAINTENANCE @ Rs. 365/DL					
	Climber cutting, weeding and other silvicultural works & fire protection works @ 15 DLs/ha	DLs	15	109	365	39785.00
	10% vacancy filling by 2 years old seedlings from nursery @ 4 DLs/ha	DLs	4	29	365	10585.00
	Maintenance & fencing post replacement @ 3% initial cost of material			0.03	1423200	42696.00
	Upkeep of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	29	365	10585.00
	Watch & ward for the plantation area (1 DLs for 365 days)	DLs	1	365	365	133225.00
	Maintenance of Eco cottage, implements, ring/tube -well, upkeep of plantation, display board, documentation and upkeep of records etc.	L.S.	-	-	-	14641.00
	Supervision cost	L.S.		1		10000.00
	Contingency @ 15% over previous year	L.S.				3802.00
	Sub-total					265319.00
I	6th YEAR MAINTENANCE @ Rs. 401/DL					
	Climber cutting, other silvicultural works & fire protection works @ 15 DLs/ha	DLs	15	109	401	150375.00
	Upkeep of plantation and making of inspection path, repairing of fence etc. on day to day basis	DLs	4	29	401	11629.00



	@ 4 Dls/ha					
	Watch & ward for the plantation area (1DLs for 365 days)	DLs	1	365	401	146365.00
	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, display board, documentation and upkeep of records etc.	L.S.	-	-	-	16105.00
	Supervision cost	L.S.				10000.00
	Contingency @ 15% over previous year	L.S.				4373.00
	Sub-total					338847.00
J	7th YEAR MAINTENANCE					@ Rs. 441/DL
	Climber cutting, other silvicultural works & fire protection works @ 12 DLs/ha	DLs	12	87	441	38367.00
	Protection work, cattle watching, upkeep of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha	DLs	5	36	441	15876.00
	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, display board, documentation and upkeep of records etc.	L.S.	-	-	-	17716.00
	Supervision cost	L.S.	-	-	-	10000.00
	Contingency @ 15% over previous year	L.S.				5028.00
	Sub-total					86987.00
K	8th YEAR MAINTENANCE					@ Rs. 485/DL
	Climber cutting, other silvicultural works & fire protection works @ 8 DLs/ha	DLs	8	58	485	28130.00
	Protection work, cattle watching, upkeep of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha	DLs	5	36	485	17460.00
	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, display board, documentation and upkeep of records etc.	L.S.	-	-	-	19487.00
	Supervision cost	L.S.	-	-	-	10000.00
	Contingency @ 15% over previous year	L.S.	-	-	-	5783.00
	Sub-total					80860.00
L	9th YEAR MAINTENANCE					@ Rs. 533/DL
	Climber cutting, other silvicultural works & fire protection works @ 7 DLs/ha	DLs	7	51	533	27183.00
	Protection work, cattle watching, upkeep of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha	DLs	5	36	533	19188.00
	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, display board, documentation and upkeep of records etc.	L.S.	-	-	-	21436.00



	Supervision cost	L.S.	-	-	-	10000.00
	Contingency @ 15% over previous year	L.S.	-	-	-	6650.00
					Sub-total	84457.00
M	10th YEAR MAINTENANCE					@ Rs. 586/DL
	Climber cutting, other silvicultural works & fire protection works @ 6 DLs/ha	DLs	6	44	586	25784.00
	Protection work, cattle watching, upkeep of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	29	586	16994.00
	Maintenance of Eco cottage, implements, ring/tube-well, upkeep of plantation, display board, documentation and upkeep of records etc.	L.S.	-	-	-	23579.00
	Supervision cost	L.S.	-	-	-	10000.00
	Contingency @ 15% over previous year	L.S.	-	-	-	7648.00
					Sub total	84005.00
					Total	4484110.00
						2242055.00
	Overhead cost @50% of the total cost				Grand total	6726165.00

(Rupees sixty seven lakh twenty six thousand one hundred sixty five)only.

TECHNICALLY APPROVED

**CONSERVATOR OF FORESTS
EASTERN ASSAM CIRCLE, JORHAT**

Submitted

**DIVISIONAL FOREST OFFICER
DOOMDOOMA DIVISION
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ABSTRACT

Sl No.	Items	Amount(in Rs.)
1	A. Erection of fencing	1512200.00
	B. Infrastructure in plantation area.	355625.00
	C. Advance work.	113387.00
	D. 1 st year creation and maintenance.	312558.00
	Sub-Total	2293770.00
	Overhead cost @ 50%	1146885.00
	Total	3440655.00
2	E. 2 nd year maintenance	404100.00
	Overhead cost @ 50%	202050.00
	Total	606150.00
3	F. 3 rd year maintenance	405477.00
	Overhead cost @ 50%	202739.00
	Total	608216.00
4	G. 4 th year maintenance	440288.00
	Overhead cost @ 50%	220144.00
	Total	660432.00
5	H. 5 th year maintenance	265319.00
	Overhead cost @ 50%	132660.00
	Total	397979.00
6	I. 6 th year maintenance	338847.00
	Overhead cost @ 50%	169424.00
	Total	508271.00
7	J. 7 th year maintenance	86987.00
	Overhead cost @ 50%	43494.00
	Total	130481.00
8	K. 8 th year maintenance	80860.00
	Overhead cost @ 50%	40430.00
	Total	121290.00
9	L. 9 th year maintenance	84457.00
	Overhead cost @ 50%	42229.00
	Total	126686.00
10	M. 10 th year maintenance	84005.00
	Overhead cost @ 50%	42003.00
	Total	126008.00
	Grand total	6726165.00

(Rupees sixty seven lakh twenty six thousand one hundred sixty five)only

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Conservator of Forests
EASTERN ASSAM CIRCLE, JORHAT

DIVISIONAL FOREST OFFICER
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