## NORMS FOR 21 ha BLOCK PLANTATION

Area (Ha) 21 Spacing (mXm) 2X2

Number of Saplings/ha
Length of JFence (RM)
Wage rate for the 1<sup>st</sup> year (Rs.)
Increase in wage for subsequent years by a factor
Application of material costs by a factor
1.1

Sl No.	Particulars of works	Units	Qty./ ha	Total Qty.	Rate/Unit	Amount (Rs.
A	ERECTION FENCING					
,	(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 I of fencing materials to site for 2140 RM! @ RS. 800 per RM as per estimate	RMs		2140	800	17,12,000/-
	(b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM	DLs		428	240	1,02720/-
	Sub Total					18,14,720/-
В	INFRASTRUCTURE IN PLANTATION AREA				wil .	, ,
*	Construction of camp but (at least one upto 25 ha & thereafter one per every 25 ha) as per estimate	nos		1		1,50,000
	Installation of ring/tube well (atleast one upto 10 ha & thereafter two per every 25 ha)	nos		2		1,00,000
	Irrigation facility with Diesel generator and hose pipes for watering the nursery and	nos		2		1,00,000
	plantation (during dry spells)  Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha)	nos		1	2	10,000
	Cost of RCC signboard & Gate including fitting and fixing of the same (atleast one upto 25 ha & thereafter one per every 25 ha)	nos		1		60,000
	Camp accessories @ Rs. 10,001V per camp	nos		1		10,000
	Construction of Inspection Path 1800 RM @ Rs. 50/- RM	RMs		9		90,000
	Construction of Staff quarter. as per estimate (One unit for 10 to 50 ha & thereafter one	nos		1		8,00000
	unit per every 50 ha)  Provision of Solar energy for stall' quarters	nos		1		70,000
	includint installation  Sub Total					13,90,000
C	ADVANCE WORK					
<u> </u>	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha	DLs	20	420	240	1,00800
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ R,.6/- per polypot		2500	52500	6	3,15,000

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1	Preparation of polypot saplings in the field nursery for vacancy filling				я. •	
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) ,i.e., 625 Seedlings/ ha (i.e, Rs 6.5/- per polypot	nos	625	13125	6.5	85,312
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) ,i.e., 500 Seedlings/ ha 4. Rs.7/- per polypot	nos	500	10500	7	73,500
	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	7875	7.5	59062
	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	5250	8	42,000
	Cost of Bamboo, making of stacking & transportation etc	nos	625	13125	1	13125
	Line alignment, carriage of stacking materials and fixing the stacking (4) 5 DLs/ha	DLs	5	105	240	25,200
	Supervision and Monitoring	L.S				*,
0	Sub total					7,13,999
D.	CREATION & 1 <sup>st</sup> YEAR MAINTENANCE			@ 240/DL		
	Soil working, carnage 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	840	240	2,01,600
	5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding	DLs	90	1890	240	4,53,600
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	105	240	25,200
	Maintenance and protection of field nurseryand watch and ward for the plantation area(2DL for 365 days).	DLs		730	240	1,75,200
H , 2	Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, . upkeepment of records and other misc. work	L.S				10,000
	Awareness & Monitoring @, Rs. 800/ha	L.S	21	800		16,800
	Sub total			3		8,82,400
E.	2 <sup>ND</sup> YEAR MAINTENANCE			@ 264/DL		
	5 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	75	1575	264	4,15,800
	25% Vacancy filling by 1 year old seedlings from nursery@ IODLs/ha		10	210	264	55,440
	Upkeepment of plantation, and making of	DLs	5	105	264	27,720

-			( <b>*</b> )	4		
	inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	UK UK				
	Maintenance and protection of field nurseryand watch and ward for the plantation area(2DL for 365 days).	DLs		730	264	1,92,720
	Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S				22,000
	Supervision Cost	L.S				8,000
	Contingency L.S.	L.S	11 2			2500
	Sub total					7,24,180
	3 <sup>RD</sup> YEAR MAINTENANCE			@ 290/DL		
	4 weedings, fire protection works @15 DLs/ha/weeding	DLs	60	1260	290	3,65,400
1	20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha	DLs	8	168	290	48,720
i	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day @ 5 DLs/ha	DLs	5	105	290	30,450
(	Maintenance and protection of held nursery and watch and ward for the plantation area (2 DL for 365 days).	DLs		730	290	2,11,700
1 S 1	Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records	L.S				24,200
	Supervision Cost	L.S				8,000
(	Contingency @ 15 % over previous year	L.S				2,875
	Sub Total		0	8		6,91,345
	4 <sup>th</sup> YEAR MAINTENANCE			@ 319/DL		
C	4 weedings, fire protection works @15 dls/ha/weeding	DLs	60	1260	319	4,01,940
f	15% Vacancy filling by 2 year old seedlings from nursery @6DLs/ha	DLs	6	126	319	40,194
i	Upkeepment of plantation, and making of nspection path, repairing of fence etc. on lay to day basis a. 5 DLs/ha	DLs	5	105	319	33,495
a	Maintenance and protection of field nursery and watch and ward for the plantation area(2DL for 365 days)	DLs		730	319	2,32,870
r	Maintenance of camp hut, implements, ing/tube- well upkeepment of plantation, signboard, documentation, upkeepment of ecords etc.	L.S			319	26,620
	Supervision Cost	L.S				8000
(	Contingency @ 15 % over previous year	L.S				3306
	Sub Total	18			1	7,46,425

H	5 <sup>th</sup> YEAR MAINTENANCE		T	@351DL		T
	Climber cutting, weeding & other	DLs	15	315	351	1,10,565
	silvicultural works and fire protection works					1,10,505
	(@ 15DLs/ha)					100
	10% Vacancy filling by 2 year old seedlings	DLs	4	84	351	29,484
	from nursery@ 4DLs/ha					25,101
	Maintenance & fencing post replacement @	DLs	0.03		18,14,720	54,442
	3% initial cost of material				, , , , , , , ,	,,,,,
	Upkeepment of plantation, and making of	DLs			351	29,484
	inspection path, repairing of fence etc. on		и			
9	day to day basis @ 4 DLs/ha					121
v.	Watch and ward for the plantation area(1DL	L.S	84		351	2,56,230
	for 365 days).					
1.0	Maintenance of camp hut, implements,	L.S	365		351	29,282
e.,	ring/tube- well, upkeepment of plantation,					
	signboard, documentation & upkeepment of					
	records etc.				4	
	Supervision Cost	L.S				8,000
	Contingency @ 15 % over previous year		•			3802
	Sub Total					5,21,289
I.	6 <sup>th</sup> Year Maintenance			@ 386/DL		
	Climber cutting, other silvicultural works	DLs	15	315	386	1,21,590
1	and fire protection works 415 DLs/ha					
	Upkeepment of plantation, and making of	DLs	4	84	386	32,424
	inspection path, repairing of fence etc. on		*			
	day to day basis @, 4 DLs/ha					
	Watch and ward for the plantation area	DLs		730	386	2,81,780
	(2DL for 365 days).					
8	Maintenance of camp hut, implements,	L.S				32,210
	ring/tube- well, upkeepment of plantation,				8	
	signboard, documentation & upkeepment of				2	
	records etc.	- ~				8
	Supervision Cost	L.S				8000
	Contingency @ 15 % over previous year	L.S				4373
T	Sub total			0.15-5		4,80,377
J.	7 <sup>th</sup> Year Maintenance	DI	10	@ 425/DL		
	Climber cutting, other silvicultural works	DLs	12	252	425	1,07,100
	and fire protection works @ 12 DLs/ha	DI	+	105	10.5	1150-5
	Protection work, cattle watching,	DLs	5	105	425	44625
	upkeepment of plantation, and making of				2.	*.
	inspection path, repairing of fence etc. on					
	day to day basis @ 5 DLs / ha  Maintenance of camp hut, implements,	L.S				25 422
- 0	ring/tube- well, upkeepment of plantation,	L.S				35,432
*	signboard, documentation & upkeepment of					es y
	records etc.					
	Supervision Cost	L.S				9000
	Contingency @ 15 % over previous year	L.S				8000 5028
	Sub-Total	ட.0				
	Su0-10tut	words at a feet of the second second				2,00,185

K. 8th Year maintenance  Climber cutting, other silvicultural works and fire protection works	-	Tripping respect to the second				
and fire protection other silvicultural works	name of the same o		10	5 45000		
and fire protection works @ 8 DLs/ha	DLs	8	- manual	0 468/ID		
Protection works @ 8 DLs/ha upkeepinent of plant	an areas areas areas areas		11	08	468	78,6
upkeepment of plantation, and making of	DLs	15	-	William William William Workson		10,0
inspection path, repairing of fence etc. on			10	5	468	10:
day to day basis @ 5 DLs		1				49,14
Maintenance of camp but, implements,	100	1			-	
rungrube- well, upkeenment of	LS	maring in marine				
ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	1	1		The state of the s	468	-
COORD Pla		į			700	38,974
The state of the s				1.0		
Contingency @ 15 % over previous year	LS			2 5		
13 78 OVET Previous year		-		Management of the same	1	
VEAD ACC	L.S		The second second	-		8000
Climber auti	***************************************	L	-		Tank	5783
and fire project. Other silvicultural wast.			TAR	N Inc.	Sarana .	1,80,52
and fire protection works (0), 7 DLs/ha  Protection work, cattle works		7	<u> </u>	D/DL		1.1001251
Protection works (0), 7 DLs/ha upkeepment of plants			147	T	515	175.00
upkeepment of plantation, and making of 1		5				75,705
inspection path, repairing of fence etc. on	1		105	1	515	-
day to day basis @ 5 DLs/ ha				- 1	1.5	54,075
I Widiniana a				- 1		
ring/tube- well, unkeermanning implements,	-	-			1	
ring/tube- well, upkeepment of plantation, 1 signboard, documentation & upkeepment of plantation of records etc.				-	on management of the same	***************************************
records ere upacepment of				1		42,872
- Julie Tulosa A	1			1.	. [	
Contingency (1): 15 N		Small section and			1	
Contingency @; 15 % over previous year	-		-	-		
IV YEAD MAN AND AND TOTAL						000
Climber cutting, other silvicultural works,						650
fire protections, other silvicultural work		-	AFEE	-		87,302
fire protection works (0,) 6 DLs/ha  Protection work cartle	6		@ 567/DI			47,202
Protection work, cattle watching,			126	567	71	
upkeepment of plantation, and making of inspection path, repairing of section path, repairing of sections	A				111	,442
inspection path, repairing of fence etc. on  day to day basis @ 4 DLs /he	1.		84	567		-
day to day basis @ 4 DLs /hn				1-0	47,	628
Maintenance of camp hut, implements,		· · · ] .		1		
ring/tube- well, upkeenments,						
Signboard dogue Principle of plantation	T. Carrier		-	1	-	/
Lieuords etc. upkeepment of		1			47,1	58
J Supervision C-				1	1	
Contingency @ 15 % over previous year	-	. 1	1.0	1	Management	all the state of t
13 % over previous year	1		The state of the s	-		, and the same
Oner L		-		· ·	8000	
Over head expenditure @ 50% of the total	1			- Anna Maria	7648	annual recording .
cost of scheme (2) 30% of the total	1		-	A SECULIAR SPECIAL SPE		-
			T	Name of Association of the Owner, where	1,81,8 43,57,	
Grand Total						

## (Rupees One crore thirty lacs seventy one thousand nine hundred twenty nine) only.

Note: Cost escalation of 10% annually has been considered for wages
The norms should be revised annually based on wage rate & cost of materials
re-cast RCC pillar with 5"x5" cross-section-of 6 ft height (1.5 below ground 4.5 ft above ground) with

Divisional Forest Officer Dissa Hasao Forest Division (West). Haflong

Conservator of Forests, Dimo Basao District, Assam.