Scheme for 90 ha C.A. Scheme Plantation under Khaeroni Range, Hamren Forest Division

AS PER 50 ha BLOCK PLANTATION NORMS

Area (ha) = 90

Spacing (m x m) = 2 X 2

Number of Saplings/ ha = 2500

Length of Fence (RM) = 7380

Wage rate for the 1st year(Rs.) = 250

Increase in wage rate for subsequent years by a factor

Appreciation of material costs by a factor = 1.1

S.No.	Partic	lars of works	Units	Qty./	The second second	Rate / Unit	Amount (Rs.)
					@Rs.	250	/DL
A	dia link) to be fitted on Pre-cast R transportation of fencing material	Proof fencing (4' ht. with 10 Gauge, 3" CC pillars* at 1.8 mt. apart including s to site for 7380 RM @ Rs. 800 per	RMs		7380	800	5904000
		tting, fixing etc. of fencing materials @	DLs		1476	250	369000
	20 DLs/ 100 RM	Sub-total Sub-total					6273000
В	INFRASTRUCTURE IN PLAI	NTATION AREA					
	Construction of camp hut (atleatevery 25 ha) as per estimate	ast one upto 25 ha & thereafter one per	nos.		4	1,50,000	600000
	Installation of ring/tube well (atlevery 25 ha)	cast one upto 10 ha & thereafter two per	nos.		8	50,000	400000
	Irrigation facility with Diesel go nursery and plantation (during dr	nerator and hose pipes for watering the	nos.		1	50,000	50000
	Cost of tools & implements (One every 25 ha)	unit upto 25 ha & thereafter one unit per	nos.		4	10,000	40000
	Cost of RCC signboard & Gate (atleast one upto 25 ha & therea	including fitting and fixing of the same	nos.		4	60,000	240000
	Camp accessories @ Rs. 10,000	ner camp	nos.		4	10,000	40000
	Construction of Inspection Path	3690 RM @ Rs. 50/- RM	RMs		3690	50	184500
	Construction of Hispection 7 am Construction of Staff quarters as thereafter one unit per every 50 h	per estimate (One unit for 10 to 50 ha &	nos.		2	8,00,000	1600000
	Provision of Solar energy for sta	f quarters including installation	nos.		2	70,000	140000
	Trovision of Bolar energy for sta	sub total					3294500
C	ADVANCE WORK				/DL		
		reation, jungle cutting, burning etc. 20	DLs	20	1800	250	450000
	Preparation and acquisition of planting 2500 Nos. Seedlings/ h	polypot saplings in the field nursery for a @ Rs.6/- per polypot	nos.	2500	225000	6	1350000
	Preparation of polypot saplings	in the field nursery for vacancy filling					
	a) 25% mortality expected during the 2nd year), i.e., 625 Seedlings	g 1st year (to be planted in the field during / ha @ Rs.6.5/- per polypot	nos.	625	56250	6.5	36562.
		ing 2nd year (to be planted in the field edlings/ ha @ Rs.7/- per polypot	nos.	500	45000	7	31500
		ing 3rd year (to be planted in the field dlings/ ha @ Rs.7.5/- per polypot	nos.	375	33750	7.5	25312

	d) 10% mortality expected during 4th year (to be planted in the field	nos.	250	22500	8	180000
	during the 5th year), i.e., 250 Seedlings/ ha @ Rs.8/- per polypot	200	625	56250	1	56250
	Cost of Bamboo, making of stacking & transportation etc Line alignment, carriage of stacking materials and fixing the stacking @ 5	nos.	5	450	250	112500
	DLs/ha					20000
	Supervision and Monitoring	L.S.				20000 3102500
	Sub total			@Rs.	250 /1	
D	CREATION & 1 st YEAR MAINTENANCE		OL .			
	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	3600	250	900000
	5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding	DLs	90	8100	250	2025000
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	450	250	112500
	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.		90	800	72000
	Sub total					3393250
E	2 nd YEAR MAINTENANCE			@ Rs.	275 /	DL
	5 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	75	6750	275	1856250
	25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha	DLs	10	900	275	247500
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	450	275	123750
	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		72000
	Contingency L.S.	L.S.				5000
	sub total					2616625
F	3 rd YEAR MAINTENANCE			@ Rs.	303 /	
	4 weedings, fire protection works @15 DLs/ha/weeding	DLs	60	5400	303	1633500
	20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha	DLs	8	720	303	217800
	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	450	303	136125
	Maintenance and protection of field nursery (1 DL for 365 days) and watch and ward for the plantat on 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	f L.S.				12100
	Supervision Cost	L.S.		1	12.17.11	72000
	Contingency @ 15 % over previous year	L.S.				5750
	Sub total	1				2408513
G				@ Rs.	333	/DL
	4 weedings, fire protection works @15 dls/ha/weeding	DLs	60	5400	333	1796850
	15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha	DLs	6	540	333	179685

1							
	Upkeepment of plantation, and fence etc. on day to day basis @		DLs	5	450	333	149738
	Maintenance and protection of watch and ward for the plantatio	field nursery (1 DL for 365 days) and	DLs		1095	333	364361
	Maintenance of camp hut, imp	lements, ring/tube- well upkeepment of	L.S.				13310
		tion, upkeepment of records etc.	L.S.		1		72000
	Supervision Cost		L.S.				6613
	Contingency @ 15 % over previ-	sub total					2582556
14	5 th YEAR MAINTENANCE				@ Rs.	366	/DL
11	Climber cutting, weeding & otl	er silvicultural works and fire protection	DLs	15	1800	366	658845
	works @ 15DLs/ha	1) G ADI a/ha	DLs	4	360	366	131769
		ld seedlings from nursery@ 4DLs/ha accment @ 3% initial cost of material	DLS		0.03	5904000	177120
	Upkeepment of plantation, and	making of inspection path, repairing of	DLs	4	360	366	131769
	fence etc. on day to day basis @		DLs		730	366	267198
		plements, ring/tube- well, upkeepment of ation & upkeepment of records etc.					14641
		ation & upreception of records etc.	L.S.		1	1888	72000
	Supervision Cost		L.S.				7604
	Contingency @ 15 % over prev	sub total	D.D.				1460947
I	cth vin a navigative vice	Subtotal			@ Rs.	403	/DL
1	6 th YEAR MAINTENANCE	1 1 15			(4) 1151		
	DLs/ha	ural works and fire protection works @15	DLs	15	1350	403	543547
	fence etc. on day to day basis (000	4	360	403	144946
	Watch and ward for the plantat		DLs		730	403	293918
	Maintenance of camp hut, in plantation, signboard, docume	plements, ring/tube- well, upkeepment of ntation & upkeepment of records etc.	L.S.				16105
	Supervision Cost		L.S.				72000
	Contingency @ 15 % over prev	ious year	L.S.				8745
		sub total					1079261
J	7th YEAR MAINTENANCE				@ Rs	. 443	/DL
	Climber cutting, other silvicult DLs/ha	ural works and fire protection works @ 12	DLs	12	1080	443	478321
	Protection work, cattle watchir inspection path, repairing of fe	g, upkeepment of plantation, and making of nce etc. on day to day basis @ 5 DLs / ha	f DLs	5	450	443	199301
	Maintenance of camp hut, in	plements, ring/tube- well, upkeepment o ntation & upkeepment of records etc.	f L.S.				17716
	Supervision Cost		L.S.				72000
	Contingency @ 15 % over pre-	vious year	L.S.				10057
		sub total	1				777394
K		YEAR MAINTENANCE @ Rs. 487 /DI					
	Climber cutting, other silvicul DLs/ha	tural works and fire protection works @	8 DLs	8	720	487	350769
		g, upkeepment of plantation, and making once etc. on day to day basis @ 5 DLs / ha	of DLs	5	450	487	219231
100			The second second				

	Maintenance of camp hut, implements, ring/tube- well, upkcepment of	L.S.				19487
1	plantation, signboard, documentation & upkeepment of records etc.					
5	Supervision Cost	L.S.				72000
(Contingency @ 15 % over previous year	L.S.				11565
	sub total					673052
1 9	Oth YEAR MAINTENANCE	@ Rs. 536 /DL				/DL
(Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	630	536	337615
	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	450	536	241154
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				21436
	Supervision Cost	L.S.				72000
	Contingency @ 15 % over previous year	L.S.				13300
	sub total					685505
M	10 th YEAR MAINTENANCE			@ Rs.	589	/DL
	Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha	DLs	6	540	589	318323
	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	360	589	212215
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S.				23579
	Supervision Cost	L.S.				72000
	Contingency @ 15 % over previous year	L.S.				15295
	sub total					641413
	Total`=					28988516
	Over head cost @ 50% of Total CA Cost `=					14494259

IN WORDS
(RUPEES FOUR CRORES THIRTY FOUR LAKHS EIGHTY TWO THOUSAND SEVEN HUNDRED SEVENTY FIVE ONLY)

Grand Total '=

NOTE:

Cost escalation of 10 % annually has been considered for wages

Technicoell approved

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.

Divisional Forest Officer
Hamren Forest Division
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Hamren Dwisson, Wannen

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