

DETAILS SCHEME FOR COMPENSATORY AFFORESTATION IN NON-FOREST LAND

Detail scheme for Compensatory Afforestation to be carried out in Non Forest Land of 8.0 Hac. in lieu of 15.581 ha. of forest area to be diverted for Construction of New BG Railway Line from New Maynaguri to Joghishopain Dhubri Division in Dhubri District.

**1. Detail of non-forest land:-**

District: Dhubri Name of Division: Dhubri Division

Range: Salkocha RF: NII Compartment No. Nil

Area to be afforested: 8.0 Ha ( in 3 Nos. patches of 3.2 Hec. 3.5 Hec. & 1.2 Hec.)

**2. Description of Area**

i. Topography: a. Plain land

b. Slope: Nil

ii. Whether the area is bearing any root stock of vegetation: Barren land

**3. Technical details**

Technical details of Compensatory Afforestation Scheme are as follows:-

(a) Spacing: 2m X 2m

(b) Species to be planted :

Sl.	Species	Local name	Scientific Name
A)	Fruit bearing Trees:	1. Amm	<i>Mangifera indica</i>
		2. Kathal	<i>Artocarpus integrifolia</i>
		3. Jam	<i>Syzygium cumini</i>
		4. Tetli	<i>Tamarindus indica</i>
		5. Jalphi	<i>Elaeocarpus sarrata</i>
		6. Kordoi	<i>Averrhoa carambula</i>
		7. Atlas	<i>Annona squamosa</i>
B)	Medicinal Trees:	8. Neem	<i>Azadirachta indica</i>
		9. Arzun	<i>Terminalia arzuna</i>
		10. Amlokhi	<i>Phytanthus emblica</i>
		11. Silikha	<i>Terminalia chebula</i>
		12. Bohera	<i>Terminalia belerica</i>
C)	Timber bearing Trees	13. Segun	<i>Tectona grandis</i>
		14. Gamari	<i>Gmelina arborea</i>
		15. Kadam	<i>Anilochephalus cadamba</i>
		16. Simul	<i>Bombax ceiba</i>
		17. Azar	<i>Lagestroemia flosrezinae</i>
		18. Rain Tree	<i>Samea samman</i>
		19. Koros	<i>Pongamia pinnata</i>
		20. Ghora neem	<i>Melia azadirachta</i>
D)	Rare Indiginous trees:	21. Bonsum	<i>Pnobe goalparensis</i>
		22. Makri sal	<i>Scheima wallichii</i>
		23. Sida	<i>Lagestroemia parviflora</i>
		24. Chama	<i>Artocarpas chaplaza</i>
		25. Velkor	<i>Trewia nudiflora</i>
E)	Misc. Trees:	26. Ahot	<i>Ficus bengalensis</i>
		27. Bot	<i>Ficus religiosa</i>

(c) Plantation Method: Planting through Seedlings.



<b>D CREATION &amp; 1st YEAR MAINTENANCE</b>						
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	128	179	22912	
5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding	Dls	90	288	179	51552	
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	16	179	2864	
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	179	65335	
Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work	L.S		0		10000	
Awareness & Monitoring @ Rs. 800/ha	L.S			800	2560	
<b>Sub-Total</b>						<b>155223</b>
<b>E 2nd YEAR MAINTENANCE</b>						
						@ Rs. 197/-
5 weedings, fire protection works @ 15 DLs/ha/weeding	Dls	75	240	197	47280	
25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha	Dls	10	32	197	6304	
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	18	197	3546	
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	197	71905	
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S				5000	
Supervision Cost	L.S				8000	
Contingency L.S.	L.S				2500	
<b>Sub-Total</b>						<b>144535</b>
<b>F 3rd YEAR MAINTENANCE</b>						
						@ Rs. 217/DL
4 weedings, fire protection works @15 DLs/ha/weeding	Dls	60	192	217	41664	
20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha	Dls	8	26	217	5642	
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	16	217	3472	
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	217	79205	
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records	L.S				5000	
Supervision Cost	L.S				8000	
Contingency LS	L.S				1000	
<b>Sub-Total</b>						<b>143983</b>
<b>G 4th YEAR MAINTENANCE</b>						
						@ Rs. 239/DL
4 weedings, fire protection works @15 dls/ha/weeding	Dls	60	192	239	45888	
15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha	Dls	6	20	239	4780	
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	16	239	3824	
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	239	87235	
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S				10000	
Supervision Cost	L.S				8000	
Contingency LS	L.S				1000	
<b>Sub-Total</b>						<b>160727</b>
						0
						0

H	<b>5th YEAR MAINTENANCE</b>	@ Rs. 263/DL				
		Dls	15	48	263	12624
Climber cutting, weeding & other silvicultural works and fire protection works@ 15DLs/ha						
10% Vacancy filling by 2 year old seedlings from nursery @ 4DLs/ha	Dls	4	13	263	3419	
Maintenance & fencing post replacement					0.3	18792
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	Dls	4	13	263	3419	
Watch and ward for the plantation area( 1 DL for 365 days).	Dls		365	263	95995	
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S				5000	
Supervision Cost	L.S			1	8000	
Contingency LS	L.S				1000	
	Sub-Total					148249

I	<b>6th YEAR MAINTENANCE</b>	@ Rs. 289/DL				
		Dls	15	48	289	13872
Climber cutting, other silvicultural works and fire protection works @15 DLs/ha						
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	Dls	4	13	289	3757	
Watch and ward for the plantation area(1DL for 365 days).	Dls		365	289	105485	
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S				5000	
Supervision Cost	L.S				8000	
Contingency LS	L.S				1000	
	Sub-Total					137114

J	<b>7th YEAR MAINTENANCE</b>	@ Rs. 318/DL				
		Dls	12	39	318	12402
Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha						
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	16	318	5088	
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation signboard, documentation & upkeepment of records etc.	L.S				5000	
Supervision Cost	L.S				8000	
Contingency LS	L.S				1000	
	Sub-Total					31490
						0

K	<b>8th YEAR MAINTENANCE</b>	@ Rs. 350/DL				
		Dls	8	26	350	9100
Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha						
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	16	350	5600	
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc	L.S.				5000	
Supervision Cost	L.S				6000	
Contingency LS	L.S				1000	
	Sub-Total					26700

L <u>9th YEAR MAINTENANCE</u>		@ Rs. 385/DL				
		DLs	7	23	385	8855
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha		DLs	5	16	385	6160
Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha		LS				5000
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.		LS				6000
Supervision Cost		LS				1000
Contingency		LS				1000
<b>Sub-Total</b>						<b>27015</b>

M <u>10th YEAR MAINTENANCE</u>		@ Rs. 424/DL				
Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha		DLs	6	19	424	8056
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	13	424	5512
Maintenance of camp hut, implements, ring/tube- well; upkeepment of plantation, signboard, documentation & upkeepment of records etc.		LS				5000
Supervision Cost		LS				6000
Contingency LS		LS				1000
<b>Sub-Total</b>						<b>25568</b>

<b>Total =</b>	<b>Rs.2,994,027.00</b>
Over head cost @ 50% of the total estimate =	<b>Rs.1,497,013.50</b>

**Total=** **Rs.4,491,040.50**

**Grand Total=** **Rs.4,491,041.00**

**NOTE:**

Cost escalation of 10 % annually has been considered for wages

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

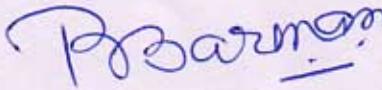
\*Pre-cast RCC pillar with 5"x5" cross-section- of 6 ft height (1.5 ft below ground & 4.5 ft above ground) with readymade concrete base of 1 ft width for fixing

Technically approved by

Submitted by,

  
(M.Ali, IFS)  
Conservator of Forests  
Lower Assam Social Forestry Circle  
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( R. Barman, AFS)  
Divisional Forest Officer  
Dhubri Division  
**Divisional Forest Officer,**  
**Dhubri Division Dhubri**

Detail scheme for Compensatory Afforestation to be carried out in Non-forest Land of 8.0 Hac. in lieu of 15.581 ha. of forest area to be diverted for Construction of New BG Railway Line from New Maynaguri to Jogighopain Dhubri Division in Dhubri District.

### 1. Detail of non-forest land:-

District: Dhubri Name of Division: Dhubri Division

Range: Salkocha RF. NII Compartment No. Nil

Area to be afforested: 8.0 Ha ( in 3 Nos. patches of 3.2 Hec. 3.5 Hec. & 1.2 Hec.)

### 2. Description of Area

i. Topography: a. Plain land

b. Slope: Nil

ii. Whether the area is bearing any root stock of vegetation: Barren land

### 3. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

(a) Spacing: 2m X 2m

(b) Species to be planted :

Sl.	Species	Local name	Scientific Name
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		18. Rain Tree	<i>Samea samman</i>
		19. Koros	<i>Pongamia pinnata</i>
		20. Ghora neem	<i>Melia azadirachta</i>
D)	Rare Indiginous trees:	21. Bonsum	<i>Pnobe goalparensis</i>
		22. Makri sal	<i>Scheima wallichii</i>
		23. Sida	<i>Lagestroemia parviflora</i>
		24. Chama	<i>Artocarpas chaplasa</i>
		25. Velkor	<i>Trewia nudiflora</i>
E)	Misc. Trees:	26. Ahot	<i>Ficus bengalensis</i>
		27. Bot	<i>Ficus religiosa</i>

(c) Plantation Method: Planting through Seedlings.

**Plot No.2 (Non Forest land)**

*Estimate for raising Compensatory plantation in allotted Non Forest land at village Sreegram Part-VI in lieu of proposed diversion of Forest Land in respect of New-Movnaauri-Jogiahopa N.F.Railway Project.*

Area (ha)	=	3.5				
Species to be planted	=	As mentioned in Annexure-				
Spacing (m X m)	=	2X2				
Number of Saplings/ ha	=	2500				
Total seedlings	=	8750				
Length of Fence (RM)	=	1340				
Wage rate for the 1st year(Rs.)	=	179				
Increase in wage rate for subsequent years by a factor	=	1.1				
Appreciation of material costs by a factor	=	1.1				

S.N o	Particulars of works	Units	Oty. /ha	Total	Rate/Unit s	Amount (Rs.)
<b>A</b>	<b>ERECTION OF FENCING</b>					
	(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 1300 RM @ Rs. 800 per RM as per estimate	RMs		1340	800	1072000
	(b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM	DLs		268	179	47972
	<i>Sub-Total</i>					1119972
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>					0
	Construction of camp hut as per estimate	nos		1	150000	150000
	Installation of ring/tube well	nos		1	50000	50000
	Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)	nos		1	50000	50000
	Cost of tools & implements	nos		1	10000	10000
	Cost of RCC signboard & Gate including fitting and fixing of the same	nos		1	60000	60000
	Camp accessories @ Rs. 10,000/ per camp	nos		1	10000	10000
	<i>Construction of Inspection Path 500RM @ Rs. 50/- RM</i>	RMs		500	50	25000
	Construction of staff quarter as per estimate	nos		1	800000	800000
	Provision of Solar energy for staff quarter including installation	nos		1	70000	70000
	<i>Sub-Total</i>					1225000
<b>C</b>	<b>ADVANCE WORK</b>				<b>@ Rs. 179/DL</b>	
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha	DLs	20	70	179	12530
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot	nos.	2500	8750	6	52500
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>	nos.				0
	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	2188	6.5	14222
	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	1750	7	12250
	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	1313	7.5	9847.5
	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	875	8	7000
	Cost of Bamboo, making, Stacking & Transportatoin etc.	nos.	625	2118		2118
	Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha	DLs	5	18	179	3222
	Supervision and Monitoring	L.S				10000
	<i>Sub-Total</i>					123689.5

**CREATION & 1st YEAR MAINTENANCE**

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	140	179	25060
5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding	Dls	90	315	179	56385
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	25	18	179	3222
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	179	65335
Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work	LS		0		10000
Awareness & Monitoring @ Rs. 800/ha	LS			800	2800

**Sub-Total**

**162802**

**2nd YEAR MAINTENANCE**

5 weedings, fire protection works @ 15 DLs/ha/weeding	Dls	75	263	197	51811
5% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha	Dls	10	35	197	6895
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	18	197	3546
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	197	71905
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	LS				11000
Supervision Cost	LS		1		8000
Contingency LS.	LS				1000

**Sub-Total**

**154157**

**3rd YEAR MAINTENANCE**

4 weedings, fire protection works @15 DLs/ha/weeding	Dls	60	210	217	45570
20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha	Dls	8	28	217	6076
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	18	217	3906
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	217	79205
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records	LS				5000
Supervision Cost	LS		1		6000
Contingency LS	LS				1000

**Sub-Total**

**146757**

**4th YEAR MAINTENANCE**

4 weedings, fire protection works @15 dls/ha/weeding	Dls	60	210	239	50190
15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha	Dls	24	21	239	5019
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	18	239	4302
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	239	87235
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	LS				5000
Supervision Cost	LS		1		6000
Contingency LS	LS				1000

**Sub-Total**

**158746**

0

0

<b>5th YEAR MAINTENANCE</b>		@ Rs. 263/DL			
Climber cutting, weeding & other silvicultural works and fire protection works@ 15DLs/ha	Dls	15	53	263	13939
10% Vacancy filling by 2 year old seedlings from nursery @ 4DLs/ha	Dls	4	14	263	3682
Maintenance & fencing post replacement LS				0.3	32160
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	Dls	4	14	263	3682
Watch and ward for the plantation area( 1 DL for 365 days).	Dls		365	263	95995
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	LS				5000
Supervision Cost	LS				6000
Contingency LS	LS				1000
<b>Sub-Total</b>					<b>161458</b>

<b>6th YEAR MAINTENANCE</b>		@ Rs. 289/DL			
Climber cutting, other silvicultural works and fire protection works @15 DLs/ha	Dls	15	53	289	15317
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	Dls		14	289	4046
Vatch and ward for the plantation area(1DL for 365 days).	Dls		365	289	105485
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	LS				5000
Supervision Cost	LS				6000
Contingency LS	LS				1000
<b>Sub-Total</b>					<b>136848</b>

<b>7th YEAR MAINTENANCE</b>		@ Rs. 318/DL			
Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha	Dls	12	42	318	13356
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	18	318	5724
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000
Supervision Cost	LS				6000
Contingency LS	LS				1000
<b>Sub-Total</b>					<b>31080</b>
					0

<b>8th YEAR MAINTENANCE</b>		@ Rs. 350/DL			
Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha	Dls	8	28	350	9800
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	18	350	6300
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc	LS.				5000
Supervision Cost	LS				6000
Contingency LS	LS				1000
<b>Sub-Total</b>					<b>28100</b>

**9th YEAR MAINTENANCE**

@ Rs. 385/DL

					0
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	25	385	9625
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	18	385	6930
Maintenance of camp hut, implements, ring/tube- well, upkeepment of LS plantation, signboard, documentation & upkeepment of records etc.					5000
Supervision Cost	LS				6000
Contingency LS	LS				1000
<b>Sub-Total</b>					<b>28555</b>

**M 10th YEAR MAINTENANCE**

@ Rs. 424/DL

Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha	DLs	6	21	424	8904
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	14	424	5936
Maintenance of camp hut, implements, ring/tube- well; upkeepment of plantation, signboard, documentation & upkeepment of records etc.	LS				5000
Supervision Cost	LS				6000
Contingency LS	LS				1000
<b>Sub-Total</b>					<b>26840</b>

**Total = Rs.3,504,004.50**Over head cost @ 50% of the total estimate = **Rs.1,752,002.25****Total= Rs.5,256,006.75****Grand Total = Rs.5,256,007.00****NOTE:**

Cost escalation of 10 % annually has been considered for wages

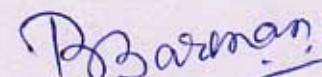
The norms should be revised annually based on wage rate &amp; cost of materials

\*Pre-cast RCC pillar with 5"x5" cross-section- of 6 ft height (1.5 ft below ground &amp; 4.5 ft above ground) with readymade concrete base of 1 ft width for fixing

Technically approved by

Submitted by,

(M.Ali, IFS)

Conservator of Forests  
Lower Assam Social Forestry Circle  
BongaigaonConservator of Forests  
Lower Assam Social Forestry Circle  
Bongaigaon, Assam

( R.Barman, AFS)

Divisional Forest Officer

Dhubri Division

Divisional Forest Officer,  
Dhubri Division Dhubri

Detail scheme for Compensatory Afforestation to be carried out in Non Forest Land of 8.0 Hac. in lieu of 15.581 ha. of forest area to be diverted for Construction of New BG Railway Line from New Maynaguri to Jogighopain Dhubri Division in Dhubri District.

### 1. Detail of non-forest land:-

District: Dhubri Name of Division: Dhubri Division

Range: Salkocha RF: Nil Compartment No: Nil

Area to be afforested: 8.0 Ha ( in 3 Nos. patches of 3.2 Hec. 3.5 Hec. & 1.2 Hec.)

### 2. Description of Area

i. Topography: a. Plain land

b. Slope: Nil

ii. Whether the area is bearing any root stock of vegetation: Barren land

### 3. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

(a) Spacing: 2m X 2m

(b) Species to be planted :

Sl.	Species	Local name	Scientific Name
A)	Fruit bearing Trees:	1. Amm	<i>Mangifera indica</i>
		2. Kathal	<i>Artocarpus integrifolia</i>
		3. Jam	<i>Syzygium cumini</i>
		4. Tetli	<i>Tamarindus indica</i>
		5. Jalphi	<i>Elaeocarpus sarrata</i>
		6. Kordoi	<i>Averrhoa carambula</i>
		7. Atlas	<i>Annona squamosa</i>
B)	Medicinal Trees:	8. Neem	<i>Azadirachta indica</i>
		9. Arzun	<i>Terminalia arzuna</i>
		10. Amlokhi	<i>Phytanthus emblica</i>
		11. Silikha	<i>Terminalia chebula</i>
		12. Bohera	<i>Terminalia belerica</i>
C)	Timber bearing Trees	13. Segun	<i>Tectona grandis</i>
		14. Gamari	<i>Gmelina arborea</i>
		15. Kadam	<i>Anilochephalus cadamba</i>
		16. Simul	<i>Bombax ceiba</i>
		17. Azar	<i>Lagestroemia flosrezinae</i>
		18. Rain Tree	<i>Samea samman</i>
		19. Koros	<i>Pongamia pinnata</i>
		20. Ghora neem	<i>Melia azadirachta</i>
D)	Rare Indiginous trees:	21. Bonsum	<i>Pnobe goalparensis</i>
		22. Makri sal	<i>Scheima wallichii</i>
		23. Sida	<i>Lagestroemia parviflora</i>
		24. Chama	<i>Artocarpas chaplaza</i>
		25. Velkor	<i>Trewia nudiflora</i>
E)	Misc. Trees:	26. Ahot	<i>Ficus bengalensis</i>
		27. Bot	<i>Ficus religiosa</i>

(c) Plantation Method: Planting through Seedlings.

**Plot No.3 (Non Forest Land)**

*Estimate for raising Compensatory plantation in allotted Non Forest land at village Sreegram Part-VI in view of proposed diversion of Forest Land in respect of New-Movnauri-loaiahopa N.F.Railway Project.*

Area (ha)	=	1.3
Species to be planted	=	As mentioned in Annexure- <b>D3</b>
Spacing (m X m)	=	2X2
Number of Saplings/ ha	=	2500
Total Seedlings	=	3250
Length of Fence (RM)	=	744
Wage rate for the 1st year(Rs.)	=	179
increase in wage rate for subsequent years by a factor	=	1.1
Appreciation of material costs by a factor	=	1.1

S.N o	Particulars of works	Units	Oty. /ha	Total	Rate/Unit s	Amount (Rs.)
<b>A ERECTION OF FENCING</b>						
	(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 744 RM @ Rs. 800 per RM as per estimate	RM		744	800	595200
	(b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM	DLs		149	179	26671
	<i>Sub-Total</i>					<b>621871</b>
<b>B INFRASTRUCTURE IN PLANTATION AREA</b>						
	Construction of camp hut as per estimate	nos		1	150000	150000
	Installation of ring/tube well	nos		1	50000	50000
	Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)	nos		1	50000	50000
	Cost of tools & implements	nos		1	10000	10000
	Cost of RCC signboard & Gate including fitting and fixing of the same	nos		1	60000	60000
	Camp accessories @ Rs. 10,000/ per camp	nos		1	10000	10000
	<b><i>Construction of Inspection Path 400 RM@ Rs. 50/- RM</i></b>	RM		400	50	20000
	Construction of staff quarter as per estimate	nos		1	800000	800000
	Provision of Solar energy for staff quarter including installation	nos		1	70000	70000
	<i>Sub-Total</i>					<b>1220000</b>
<b>C ADVANCE WORK</b>						
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha	DLs	20	26	179	4654
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot	nos.	2500	3250	6	19500
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>	nos.				0
	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	813	6.5	5284.5
	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	650	7	4550
	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	488	7.5	3660
	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	325	8	2600
	Cost of Bamboo, making, stacking & transportation etc.	nos.	20	25	100	2500
	Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha	DLs	10	15	179	2685
	Supervision and Monitoring	LS				5000
	<i>Sub-Total</i>					<b>50433.5</b>

**D CREATION & 1st YEAR MAINTENANCE**

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	52	179	9308
5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding	Dls	90	117	179	20943
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	7	179	1253
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	179	65335
Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work	L.S		0		10000
Awareness & Monitoring @ Rs. 800/ha	L.S			800	1000

**Sub-Total**

**107839**

**E 2nd YEAR MAINTENANCE**

5 weedings, fire protection works @ 15 DLs/ha/weeding	Dls	75	98	197	19306
25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha	Dls	10	13	197	2561
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	7	197	1379
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	197	71905
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S				5000
Supervision Cost	L.S				8000
Contingency L.S.	L.S				1000

**Sub-Total**

**109151**

**F 3rd YEAR MAINTENANCE**

4 weedings, fire protection works @15 DLs/ha/weeding	Dls	60	78	217	16926
20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha	Dls	32	42	217	9114
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	8	217	1736
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	217	79205
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records	L.S				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000

**Sub-Total**

**118981**

**G 4th YEAR MAINTENANCE**

4 weedings, fire protection works @15 dls/ha/weeding	Dls	60	78	239	18642
15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha	Dls	24	32	239	7648
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	8	239	1912
Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	239	87235
Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000

**Sub-Total**

**127437**

0

0

<b>H 5th YEAR MAINTENANCE</b>		@ Rs. 263/DL				
Climber cutting, weeding & other silvicultural works and fire protection works @ 15DLs/ha		Dls	15	20	263	5260
10% Vacancy filling by 2 year old seedlings from nursery @ 4DLs/ha		Dls	4	6	263	1578
Maintenance & fencing post replacement LS				0	0.03	17856
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha		Dls	4	8	263	2104
Watch and ward for the plantation area( 1 DL for 365 days).		Dls		365	263	95995
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.		LS				5000
Supervision Cost		LS				6000
Contingency LS		LS				1000
<i>Sub-Total</i>						<b>134793</b>

<b>I 6th YEAR MAINTENANCE</b>		@ Rs. 289/DL				
Climber cutting, other silvicultural works and fire protection works @15 DLs/ha		Dls	15	20	289	5780
Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha		Dls		6	289	1734
Watch and ward for the plantation area(1DL for 365 days).		Dls	4	365	289	105485
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.		LS				5000
Supervision Cost		LS				6000
Contingency LS		LS				1000
<i>Sub-Total</i>						<b>124999</b>

<b>J 7th YEAR MAINTENANCE</b>		@ Rs. 318/DL				
Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha		Dls	12	16	318	5088
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	7	318	2226
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation signboard, documentation & upkeepment of records etc.		LS				5000
Supervision Cost		LS				6000
Contingency LS		LS				1000
<i>Sub-Total</i>						<b>19314</b>
						0

<b>K 8th YEAR MAINTENANCE</b>		@ Rs. 350/DL				
Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha		Dls	8	11	350	3850
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	7	350	2450
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc		LS.				5000
Supervision Cost		LS				6000
Contingency LS		LS				1000
<i>Sub-Total</i>						<b>18300</b>

L <u>9th YEAR MAINTENANCE</u>		@ Rs. 385/DL				
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	9	385	3465	0
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	7	385	2695	
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	LS				5000	
Supervision Cost	LS				6000	
Contingency LS	LS				1000	
	<b>Sub-Total</b>					<b>18160</b>

M <u>10th YEAR MAINTENANCE</u>		@ Rs. 424/DL				
Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha	DLs	6	8	424	3392	
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	6	424	2544	
Maintenance of camp hut, implements, ring/tube- well; upkeepment of plantation, signboard, documentation & upkeepment of records etc.	LS				5000	
Supervision Cost	LS				6000	
Contingency LS	LS				1000	
	<b>Sub-Total</b>					<b>17936</b>

**Total = Rs.2,689,214.50**  
**Over head cost @ 50% of the total estimate = Rs.1,344,607.25**

**Total= Rs.4,033,821.75**

**Grand Total = Rs.4,033,822.00**

**NOTE:**

Cost escalation of 10 % annually has been considered for wages

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

Technically approved by

Submitted by,

(M. Ali, IFS)

Conservator of Forests  
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 Bongaigaon  
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 Lower Assam Social Forestry Circle  
 Bongaigaon, Assam

( R. Barman, AFS)

Divisional Forest Officer  
 Dhubri Division  
 Divisional Forest Officer,  
 Dhubri Division Dhubri

**DETAILS SCHEME FOR COMPENSATORY AFFORESTATION IN FOREST LAND**

Detail scheme for Compensatory Afforestation to be carried out in Forest Land of 16 Hec. in lieu of 15.581 ha. of forest area to be diverted for Construction of New BG Railway Line from New Maynaguri to Jogighopa in Dhubri Division in Dhubri District.

**1. Detail of degraded forest land:-**

District: **Dhubri** Name of Division: **Dhubri Division**  
 Range: **Salkocha** RF: **Sreogram** Compartment No. Nil  
 Area to be afforested: **16 Ha.**

**3. Description of Area**

- i. Topography: a. Plain land  
b. Slope: Nil
- ii. Whether the area is bearing any root stock of vegetation: Barren land

**4. Technical details**

Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) Spacing: 2m X 2m
- (b) Species to be palanted :

Sl.	Species	Local name	Scientific Name
A)	Fruit bearing Trees:	1. Amm	<i>Mangifera indica</i>
		2. Kathal	<i>Artocarpus integrifolia</i>
		3. Jam	<i>Syzygium cumini</i>
		4. Tetli	<i>Tamarindus indica</i>
		5. Jalphi	<i>Elaeocarpus sarrata</i>
		6. Kordoi	<i>Averrhoa carambula</i>
		7. Atlas	<i>Annona squamosa</i>
B)	Medicinal Trees:	8. Neem	<i>Azadirachta indica</i>
		9. Arzun	<i>Terminalia arzuna</i>
		10. Amlokhi	<i>Phytanthus emblica</i>
		11. Silikha	<i>Terminalia chebula</i>
		12. Bohera	<i>Terminalia belerica</i>
C)	Timber bearing Trees	13. Segun	<i>Tectona grandis</i>
		14. Gamari	<i>Gmelina arborea</i>
		15. Kadam	<i>Anilochephalus cadamba</i>
		16. Simul	<i>Bombax ceiba</i>
		17. Azar	<i>Lagestroemia flosrezinae</i>
		18. Rain Tree	<i>Samea samman</i>
		19. Koros	<i>Pongamia pinnata</i>
		20. Ghora neem	<i>Melia azadirachta</i>
D)	Rare Indeginous trees:	21. Bonsum	<i>Pnobe goalparensis</i>
		22. Makri sal	<i>Scheima wallichii</i>
		23. Sida	<i>Lagestroemia parviflora</i>
		24. Chama	<i>Artocarpas chaplaza</i>
		25. Velkor	<i>Trewia nudiflora</i>
E)	Misc. Trees:	26. Ahot	<i>Ficus bengalensis</i>
		27. Bot	<i>Ficus religiosa</i>

(c) Plantation Method: Planting through Seedlings.

Estimate for raising Compensatory plantation in Srigram R.F in lieu of proposed diversion of Forest Land in respect of New-Moynaguri-Jogighopa N.F.Railway Project.

Area (ha)	=	16	
Species to be planted	=	As mentioned in Annexure	E 1
Spacing (m X m)	=	2X2	
Number of Saplings/ ha	=	2500	
Total saplings	=	40000	
Length of Fence (RM)	=	1616	
Wage rate for the 1st year(Rs.)	=	179	
Increase in wage rate for subsequent years by a factor	=	1.1	
Appreciation of material costs by a factor	=	1.1	

Sl. No	Particulars of works	Units	Oty. /ha	Total	Rate/Unit s	Amount (Rs.)
<b>A ERECTION OF FENCING</b>						
(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 1616 RM @ Rs. 800 per RM as per estimate	RMs			1616	800	1292800
(b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM	DLS			323	179	57817
					<b>Sub-Total</b>	<b>1350617</b>
<b>B INFRASTRUCTURE IN PLANTATION AREA</b>						0
Construction of camp hut as per estimate	nos		1	150000	150000	
Installation of ring/tube well	nos		1	50000	50000	
Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)	nos		1	50000	50000	
Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha )	nos		1	10000	10000	
Cost of RCC signboard & Gate including fitting and fixing of the same	nos		1	60000	60000	
Camp accessories @ Rs. 10,000/- per camp	nos		1	10000	10000	
Construction of Inspection Path 820 RM@ Rs. 50/- RM	RMs		820	50	41000	
Construction of staff quarter as per estimate	nos		1	800000	800000	
Provision of Solar energy for staff quarter including installation	nos		1	70000	70000	
					<b>Sub-Total</b>	<b>1241000</b>
<b>C ADVANCE WORK</b>						@ Rs. 179/DL
Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha	DLS	20	320	179	57280	
Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot	nos.	2500	40000	6	240000	
<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>	nos.					0
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	10000	6.5	65000	
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	8000	7	56000	
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	6000	7.5	45000	
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	4000	8	32000	
Cost of Bamboo, making of Stacking & transportation etc.	nos.	625	10000		10000	
Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha	DLS	5	80	179	14320	
Supervision and Monitoring	LS				10000	
					<b>Sub-Total</b>	<b>529600</b>

<b>D</b>	<b>CREATION &amp; 1st YEAR MAINTENANCE</b>	@ Rs. 179/DL				
	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	640	179	114560
	5 weedings, mulching and fire protection works @ 18 DLs/ha/weeding	Dls	90	1440	179	257760
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	80	179	14320
	Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	179	65335
	Maintenance of camp huts, implements, ring/tube- well, upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work	LS		0		10000
	Awareness & Monitoring @ Rs. 800/ha	LS		16	800	12800
	<b>Sub-Total</b>					<b>474775</b>
<b>E</b>	<b>2nd YEAR MAINTENANCE</b>	@ Rs. 197/DL				
	5 weedings, fire protection works @ 15 DLs/ha/weeding	Dls	75	1200	197	236400
	25% Vacancy filling by 1 year old seedlings from nursery@ 10DLs/ha	Dls	10	160	197	31520
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	80	197	15760
	Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	197	71905
	Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	LS				11000
	Supervision Cost	LS			800	12800
	Contingency LS.	LS				2500
	<b>Sub-Total</b>					<b>381885</b>
<b>F</b>	<b>3rd YEAR MAINTENANCE</b>	@ Rs. 217/DL				
	4 weedings, fire protection works @15 DLs/ha/weeding	Dls	60	960	217	208320
	20% Vacancy filling by 2 year old seedlings from nursery@ 8DLs/ha	Dls	8	128	217	27776
	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	80	217	17360
	Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	217	79205
	Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records	LS				12100
	Supervision Cost	LS			800	12800
	Contingency	LS				2875
	<b>Sub-Total</b>					<b>360436</b>
<b>G</b>	<b>4th YEAR MAINTENANCE</b>	@ Rs.239/DL				
	4 weedings, fire protection works @15 dls/ha/weeding	Dls	60	960	239	229440
	15% Vacancy filling by 2 year old seedlings from nursery@ 6DLs/ha	Dls	6	96	239	22944
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	Dls	5	80	239	19120
	Maintenance and protection of field nursery and watch and ward for the plantation area(1DL for 365 days).	Dls		365	239	87235
	Maintenance of camp hut, implements, ring/tube- well upkeepment of plantation, signboard, documentation, upkeepment of records etc.	LS				13310
	Supervision Cost	LS				12800
	Contingency	LS				3306
	<b>Sub-Total</b>					<b>388155</b>
						0
						0

H	<b>5th YEAR MAINTENANCE</b>	@ Rs. 263/DL				
		Dls	15	240	263	63120
	Climber cutting, weeding & other silvicultural works and fire protection works@ 15DLs/ha					
	10% Vacancy filling by 2 year old seedlings from nursery @ 4DLs/ha	Dls	4	64	263	16832
	Maintenance & fencing post replacement				0.03	38784
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	Dls	4	64	263	16832
	Watch and ward for the plantation area( 1 DL for 365 days).	Dls		365	263	95995
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S				14641
	Supervision Cost	L.S				12800
	Contingency	L.S				3802
	<b>Sub-Total</b>					<b>262806</b>

I	<b>6th YEAR MAINTENANCE</b>	@ Rs. 289/DL				
		Dls	15	240	289	69360
	Climber cutting, other silvicultural works and fire protection works @15 DLs/ha					
	Upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	Dls	4	64	289	18496
	Watch and ward for the plantation area(1DL for 365 days).	Dls		365	289	105485
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S				16105
	Supervision Cost	L.S				12800
	Contingency	L.S	-			4373
	<b>Sub-Total</b>					<b>226619</b>

J	<b>7th YEAR MAINTENANCE</b>	@ Rs. 318/DL				
		Dls	12	192	318	61056
	Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha					
	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	80	318	25440
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation signboard, documentation & upkeepment of records etc.	L.S				17716
	Supervision Cost	L.S				12800
	Contingency	L.S				5028
	<b>Sub-Total</b>					<b>122040</b>

K	<b>8th YEAR MAINTENANCE</b>	@ Rs. 350/DL				
		Dls	8	128	350	44800
	Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha					
	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	80	350	28000
	Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc	L.S.				19487
	Supervision Cost	L.S				12800
	Contingency	L.S				5783
	<b>Sub-Total</b>					<b>110870</b>

9th YEAR MAINTENANCE		@ Rs. 385/DL				
		DLs	7	112	385	43120
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha		DLs	5	80	385	30800
Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha		L.S				21436
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.		L.S				12800
Supervision Cost		L.S				6650
Contingency		L.S				
<b>Sub-Total</b>						<b>114806</b>

M 10th YEAR MAINTENANCE		@ Rs. 424/DL				
Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha		DLs	6	96	424	40704
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	64	424	27136
Maintenance of camp hut, implements, ring/tube- well; upkeepment of plantation, signboard, documentation & upkeepment of records etc.		L.S				23579
Supervision Cost		L.S				12800
Contingency		L.S				7648
<b>Sub-Total</b>						<b>111867</b>

<b>TOTAL =</b>	<b>5675476.00</b>
Over head cost @50% of the total estimate=	<b>2837738.00</b>
<b>Total=</b>	<b>8513214.00</b>

Grand Total    Rs    **8513214.00**

**NOTE:**

Cost escalation of 10 % annually has been considered for wages

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

Technically approved by

(M.Ali, IFS)

Conservator of Forests  
Lower Assam Social Forestry Circle  
Bongaigaon

Conservator of Forests  
Lower Assam Social Forestry Circle  
Bongaigaon, Assam

Submitted by,

R. Barman

( R. Barman, AFS)  
Divisional Forest Officer

Dhubri Division Officer.  
Dhubri Division Dhubri

9th YEAR MAINTENANCE		@ Rs. 385/DL				
		DLs	7	112	385	43120
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha		DLs	5	80	385	30800
Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs / ha		LS				21436
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.		LS				
Supervision Cost		LS				12800
Contingency		LS				6650
	<i>Sub-Total</i>					<b>114806</b>

M 10th YEAR MAINTENANCE		@ Rs. 424/DL				
Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha		DLs	6	96	424	40704
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Maintenance of camp hut, implements, ring/tube- well; upkeepment of plantation, signboard, documentation & upkeepment of records etc.		LS				23579
Supervision Cost		LS				12800
Contingency		LS				7648
	<i>Sub-Total</i>					<b>111867</b>

**TOTAL = 5675476.00**

Over head cost @50% of the total estimate= **2837738.00**

**Total= 8513214.00**

**Grand Total Rs 8513214.00**

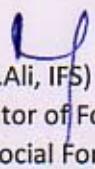
**NOTE:**

Cost escalation of 10 % annually has been considered for wages

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

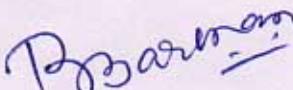
Technically approved by

  
(M. Ali, IFS)

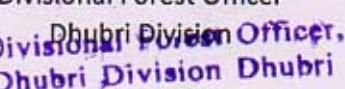
Conservator of Forests  
Lower Assam Social Forestry Circle  
Bongaigaon

Conservator of Forests  
Lower Assam Social Forestry Circle  
Bongaigaon, Assam

Submitted by,



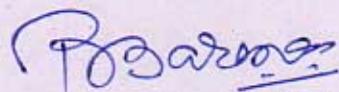
( R. Barman, AFS)  
Divisional Forest Officer

  
Dhubri Division Officer,  
Dhubri Division Dhubri

Abstract

Total area & amount for Compensatory Afforestation under Dhubri Forest Division			
Sl No.	Plot No.	Area in Hec.	Amount
1	1	3.20	Rs. 4,459,541.00
2	2	3.50	Rs. 5,225,757.00
3	3	1.30	Rs. 4,012,822.00
4	4	16.00	Rs. 8,513,214.00

Grand Total of 4 nos of plots= 24.00 | Rs. 22,211,334.00



Divisional Forest Officer,  
Dhubri Division Dhubri.