

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 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 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. Jalphai	<i>Elaeocarpus sarrata</i>
		6. Kordoi	<i>Averrhoa carambola</i>
		7. Atlas	<i>Annona squamosa</i>
B)	Medicinal Trees:	8. Neem	<i>Azadirachta indica</i>
		9. Arzun	<i>Terminalia arzunga</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>Anlhocephalus 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 chaplasea</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. 1 (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-Ioalohona N.F. Railway Project.

Area (ha)	=	3.2
Species to be planted	=	As mention in Annexure - D1
Spacing (m X m)	=	2X2
Number of Saplings/ ha	=	2500
Total seedlings	=	8000
Length of Fence (RM)	=	783
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	Particulars of works	Units	Qty. /ha	Total	Rate/Units	Amount (Rs.)
A	<u>ERECTION OF FENCING</u>					
	(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 783 RM @ Rs. 800 per RM as per estimate	RMs		783	800	626400
	(b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM	DLs		157	179	28103
	Sub-Total					654503
B	<u>INFRASTRUCTURE IN PLANTATION AREA</u>					0
	Construction of camp hut as per estimate	nos		1	150000	150000
	Installation of ring/tube well (atleast one upto 10 ha & thereafter two per every 25 Ha)	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
	<u>Construction of Inspection Path 600RM @ Rs. 50/- RM.</u>	RMs		600	50	30000
	Construction of staff quarter as per estimate	nos		1	800000	800000
	Provision of Solar energy for staff quarter including installation	nos		1	70000	70000
	Sub-Total					1230000
C	<u>ADVANCE WORK</u>				@ Rs. 179/DL	
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha	DLs	20	64	179	11456
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ ha @ Rs.6/- per polypot	nos.	2500	8000	6	48000
	Preparation of polypot saplings in the field nursery for vacancy filling	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	2000	6.5	13000
	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	1600	7	11200
	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	1200	7.5	9000
	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	800	8	6400
	Cost of Bamboo, making, Stacking & transportation etc.	nos.	625	2000		2000
	Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/haDLs	DLs	5	16	179	2864
	Supervision and Monitoring	L.S				5000
	Sub-Total					108920

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	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
Sub-Total				155223	
E 2nd YEAR MAINTENANCE					
				@ 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
Sub-Total				144535	
F 3rd YEAR MAINTENANCE					
				@ 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
Sub-Total				143983	
G 4th YEAR MAINTENANCE					
				@ 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
Sub-Total				160727	

0

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H 5th YEAR MAINTENANCE		@ Rs. 263/DL			
Climber cutting, weeding & other silvicultural works and fire protection works@ 15DLs/ha	Dls	15	48	263	12624
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 6th YEAR MAINTENANCE		@ Rs. 289/DL			
Climber cutting, other silvicultural works and fire protection works @15 DLs/ha	Dls	15	48	289	13872
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 7th YEAR MAINTENANCE		@ Rs. 318/DL			
Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha	Dls	12	39	318	12402
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

K 8th YEAR MAINTENANCE		@ Rs. 350/DL			
Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha	Dls	8	26	350	9100
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			
					0
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	23	385	8855
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	385	6160
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	L.S				1000
Sub-Total					27015

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.	L.S				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000
Sub-Total					25568

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

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


(M.Ali, IFS)
Conservator of Forests
Lower Assam Social Forestry Circle
Bongaigaon

Conservator of Forests
Lower Assam Social Forestry Circle
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Submitted by,


(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 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. Jalpai	<i>Elaeocarpus sarrata</i>
		6. Kordoi	<i>Averrhoa carambola</i>
		7. Atlas	<i>Annona squamosa</i>
B)	Medicinal Trees:	8. Neem	<i>Azadirachta indica</i>
		9. Arzun	<i>Terminalia arzunga</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>Anlhocephalus 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 chaplasea</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-Movnaquri-Ioqiahoda N.F.Railway Project.

Area (ha)	=	3.5
Species to be planted	=	As mentioned in Annexure- D2
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.No	Particulars of works	Units	Qty./ha	Total	Rate/Unit s	Amount (Rs.)
A	ERECTION OF 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 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
	Sub-Total					1119972
B	INFRASTRUCTURE IN PLANTATION AREA					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
	<u>Construction of Inspection Path 500RM @ Rs. 50/- RM</u>	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
	Sub-Total					1225000
C	ADVANCE WORK				@ Rs. 179/DL	
	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
	Preparation of polypot saplings in the field nursery for vacancy filling	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/haDLs	DLs	5	18	179	3222
	Supervision and Monitoring	L.S				10000
	Sub-Total					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	L.S		0		10000
Awareness & Monitoring @ Rs. 800/ha	L.S			800	2800
Sub-Total					162802

2nd YEAR MAINTENANCE

				@ Rs. 197/-	
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.	L.S				11000
Supervision Cost	L.S		1		8000
Contingency L.S.	L.S				1000
Sub-Total					154157

3rd YEAR MAINTENANCE

				@ Rs. 217/DL	
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	L.S				5000
Supervision Cost	L.S		1		6000
Contingency LS	L.S				1000
Sub-Total					146757

4th YEAR MAINTENANCE

				@ Rs. 239/DL	
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.	L.S				5000
Supervision Cost	L.S		1		6000
Contingency LS	L.S				1000
Sub-Total					158746

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5th YEAR MAINTENANCE

		@ 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.	L.S				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000
Sub-Total					161458

6th YEAR MAINTENANCE

		@ 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	4	14	289	4046
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				6000
Contingency LS	L.S				1000
Sub-Total					136848

7th YEAR MAINTENANCE

		@ 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.	L.S				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000
Sub-Total					31080

0

8th YEAR MAINTENANCE

		@ 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	L.S.				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000
Sub-Total					28100

9th YEAR MAINTENANCE

@ Rs. 385/DL

	DLs	7	25	385	9625
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	5	18	385	6930
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				5000
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S				6000
Supervision Cost	L.S				1000
Contingency LS					
Sub-Total					28555

M 10th YEAR MAINTENANCE

@ Rs. 424/DL

	DLs	6	21	424	8904
Climber cutting, other silvicultural works, fire protection works @ 6 DLs/ha	DLs	4	14	424	5936
Protection work, cattle watching, upkeepment of plantation, and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs / ha	L.S				5000
Maintenance of camp hut, implements, ring/tube- well; upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S				6000
Supervision Cost	L.S				1000
Contingency LS					
Sub-Total					26840

Total = Rs.3,504,004.50Over 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 & 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
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 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. Jalpai	<i>Elaeocarpus sarrata</i>
		6. Kordoi	<i>Averrhoa carambola</i>
		7. Atlas	<i>Annona squamosa</i>
B)	Medicinal Trees:	8. Neem	<i>Azadirachta indica</i>
		9. Arzun	<i>Terminalia arzunga</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>Anhocephalus cadamba</i>
		16. Simul	<i>Bombax ceiba</i>
		17. Azar	<i>Lagestroemia flosrezinae</i>
		18. Rain Tree	<i>Samia saman</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 chaplasi</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 lieu of proposed diversion of Forest Land in respect of New-Movnaquri-Ioiaihopa N.F.Railway Project.*

Area (ha)	=	1.3
Species to be planted	=	As mentioned in Annexure- D3
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.No	Particulars of works	Units	Qty./ha	Total	Rate/Unit s	Amount (Rs.)
A	ERECTION OF 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 of fencing materials to site for 744 RM @ Rs. 800 per RM as per estimate	RMs		744	800	595200
	(b) Wages of DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM	DLs		149	179	26671
	Sub-Total					621871
B	INFRASTRUCTURE IN PLANTATION AREA					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
	Construction of Inspection Path 400 RM @ Rs. 50/- RM	RMs		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
	Sub-Total					1220000
C	ADVANCE WORK				@ Rs. 179/DL	
	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
	Preparation of polypot saplings in the field nursery for vacancy filling	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/haDLs	DLs	10	15	179	2685
	Supervision and Monitoring	L.S				5000
	Sub-Total					50433.5

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					
@ Rs. 197/-					
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					
@ Rs. 217/DL					
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					
@ Rs. 239/DL					
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

H <u>5th YEAR MAINTENANCE</u>		@ 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.	L.S				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000
Sub-Total					134793

I <u>6th YEAR MAINTENANCE</u>		@ 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	4	6	289	1734
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				6000
Contingency LS	L.S	-			1000
Sub-Total					124999

J <u>7th YEAR MAINTENANCE</u>		@ 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.	L.S				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000
Sub-Total					19314

K <u>8th YEAR MAINTENANCE</u>		@ 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	L.S.				5000
Supervision Cost	L.S				6000
Contingency LS	L.S				1000
Sub-Total					18300

L <u>9th YEAR MAINTENANCE</u>		@ Rs. 385/DL				
						0
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	9	385		3465
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.	L.S					5000
Supervision Cost	L.S					6000
Contingency LS	L.S					1000
Sub-Total						18160

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.	L.S					5000
Supervision Cost	L.S					6000
Contingency LS	L.S					1000
Sub-Total						17936

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

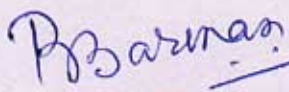
The norms should be revised annually based on wage rate & cost of materials

*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
 Lower Assam Social Forestry Circle
 Bongaigaon
 Conservator of Forests
 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: **Sreegram** 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. Jalpai	<i>Elaeocarpus sarrata</i>
		6. Kordoi	<i>Averrhoa carambola</i>
		7. Atlas	<i>Annona squamosa</i>
B)	Medicinal Trees:	8. Neem	<i>Azadirachta indica</i>
		9. Arzun	<i>Terminalia arzunga</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>Anilhocephalus cadamba</i>
		16. Simul	<i>Bombax ceiba</i>
		17. Azar	<i>Lagestroemia flosrezinae</i>
		18. Rain Tree	<i>Samia saman</i>
		19. Koros	<i>Pongamia pinnata</i>
		20. Ghora neem	<i>Melia azadirachta</i>
D)	Rare Indegenous trees:	21. Bonsum	<i>Pnobe goalparensis</i>
		22. Makri sal	<i>Scheima wallichii</i>
		23. Sida	<i>Lagestroemia parviflora</i>
		24. Chama	<i>Artocarpas chaplasi</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 Sriagram 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	Qty. /ha	Total	Rate/Unit \$	Amount (Rs.)
A	ERECTION OF 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 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
	Sub-Total					1350617
B	INFRASTRUCTURE IN PLANTATION AREA					
	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
	Sub-Total					1241000
C	ADVANCE WORK				@ 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
	Preparation of polypot saplings in the field nursery for vacancy filling	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	L.S				10000
	Sub-Total					529600

D CREATION & 1st YEAR MAINTENANCE	@ 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	L.S		0		10000
Awareness & Monitoring @ Rs. 800/ha	L.S		16	800	12800
Sub-Total					474775
E 2nd YEAR MAINTENANCE	@ 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.	L.S				11000
Supervision Cost	L.S			800	12800
Contingency L.S.	L.S				2500
Sub-Total					381885
F 3rd YEAR MAINTENANCE	@ 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	L.S				12100
Supervision Cost	L.S			800	12800
Contingency	L.S				2875
Sub-Total					360436
G 4th YEAR MAINTENANCE	@ 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.	L.S				13310
Supervision Cost	L.S			12800	12800
Contingency	L.S				3306
Sub-Total					388155

0

0

H <u>5th YEAR MAINTENANCE</u>		@ Rs. 263/DL			
Climber cutting, weeding & other silvicultural works and fire protection works@ 15DLs/ha	Dls	15	240	263	63120
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
Sub-Total					262806

I <u>6th YEAR MAINTENANCE</u>		@ Rs. 289/DL			
Climber cutting, other silvicultural works and fire protection works @15 DLs/ha	Dls	15	240	289	69360
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
Sub-Total					226619

J <u>7th YEAR MAINTENANCE</u>		@ Rs. 318/DL			
Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha	Dls	12	192	318	61056
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
Sub-Total					122040

K <u>8th YEAR MAINTENANCE</u>		@ Rs. 350/DL			
					0
Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha	Dls	8	128	350	44800
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
Sub-Total					110870

9th YEAR MAINTENANCE		@ Rs. 385/DL			
					0
Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	112	385	43120
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	385	30800
Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S				21436
Supervision Cost	L.S				12800
Contingency	L.S				6650
Sub-Total					114806

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
Sub-Total					111867

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

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						0
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Maintenance of camp hut, implements, ring/tube- well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	L.S					21436
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Divisional Forest Officer
Dhubri Division Officer,
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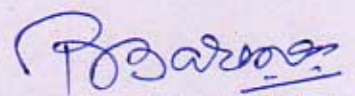
Abstract

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.