

Estimate for the creation and maintenance of 5.0 hectare plantation under Compensatory Afforestation at Pub-Bhadrapara under Bahulpur Range of Alu Valley Division, Bongaigaon against Upgradation of existing Jogighopa to Swahid bedi (Near Bongaigaon) Road

Area (Ha)	5
Spacing (m x m)	2 X 2
Number of Saplings/ ha	2500
Length of Fence (RM)	1437.29
Wage rate (Rs.)	320
Increase in wage rate for subsequent years by a factor	1.1

Particulars of works	Units	Qty./ Ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable rate of GST/ Cess etc.	
						GST	Labour Cess
ERECTION OF FENCING							
(n) Cost of full chain link fencing (4' ht with 10 gauge 3" dia link) with 3 strand barbed wire (one strand below the chain link and 2 strand above the chain link) to be fitted on pre-cast RCC pillars of specific specification and size (2.1m x 0.125m x 0.125m) as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 1437.29 RM @ Rs. 1706/RM as per estimate.	RMs		1437.29	1706	2452016.74		
Sub Total					2452016.74		
INFRASTRUCTURE IN PLANTATION AREA							
Cost of tools & implements	Set,		1	10000	10000.00		
Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	40000	40000.00		
Sub Total					50000.00		
GST					6000.00	12%	
Labour Cess					500.00		1%
Total					56500.00		
ADVANCE WORK							
Raising of Site Nursery for creation including vacancy filling for 3 (three) years (25% + 15% + 10%) and site nursery mortality 15% by using polypots	Nos.	4125	20625	10	206250.00		
Site selection, surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	200	320	64000.00		
Sub Total					270250.00		
CREATION							
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 @ 50 DLs/ ha	DLs	50	250	320	80000.00		
Sub Total					80000.00		
1ST YEAR MAINTENANCE							
4 weeding, mulching and fire protection works @ 25 DLs/ ha/ weeding	DLs	100	500	320	160000.00		
Contingency	LS				5000.00		
Sub total					165000.00		

2ND YEAR MAINTENANCE					
4 weedings, mulching & fire protection works @ 25 DLS/ha/weeding	DLS	100	500	352	176000.00
25% vacancy filling by 1 year old seedlings from nursery @ 28 DLS/ha	DLS	28	140	152	49280.00
Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 days)	DLS	1	365	152	128480.00
Contingency	LS				5000.00
Sub Total					354760.00
3RD YEAR MAINTENANCE					
4 weedings, mulching & fire protection works @ 20 DLS/ha/weeding	DLS	80	400	387.2	151880.00
13% Vacancy filling by 2 year old seedlings from nursery @ 23 DLS/ha	DLS	23	115	387.2	44528.00
Maintenance and protection by way of deploying watch & ward for site nursery & plantation area (1 DL for 365 days)	DLS	1	365	387.2	141328.00
Contingency	LS				5000.00
Sub Total					345736.00
4TH YEAR MAINTENANCE					
3 weedings, fire protection works @ 15 DLS/ha/weeding	DLS	45	225	425.92	95832.00
10% Vacancy filling by 3 year old seedlings from nursery @ 20 DLS/ha	DLS	20	100	425.92	42592.00
Maintenance and protection by way of deploying watch & ward for site nursery & plantation area (1 DL for 365 days)	DLS	1	365	425.92	155460.80
Contingency	LS				5000.00
Sub Total					298884.80
5TH YEAR MAINTENANCE					
Climber cutting, 3 weedings & other silvicultural works and fire protection works @ 15 DLS/ha	DLS	45	225	468.512	105415.20
Maintenance and protection by way of deploying watch & ward for site nursery & plantation area (1 DL for 365 days)	DLS	1	365	468.512	171006.88
Contingency	LS				5000.00
Sub Total					281422.08
6TH YEAR MAINTENANCE					
Repairing of Chainlink fencing	LS				25000.00
1st mechanical thinning of alternate single strips in the plantation; 1250 nos of stems/ha	DLS	62	310	515.363	159762.59
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	50	515.363	25768.16
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00
Contingency	LS				5000.00
Sub Total					220530.75

7th YEAR MAINTENANCE					
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	50	566.9	28344.98
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00
Contingency	LS				5000.00
Sub Total					38344.98
8th YEAR MAINTENANCE					
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	50	623.589	31179.47
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00
Contingency	LS				5000.00
Sub Total					41179.47
9th YEAR MAINTENANCE					
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	50	683.948	34297.42
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00
Contingency	LS				5000.00
Sub Total					44297.42
10th YEAR MAINTENANCE					
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	50	754.543	37727.16
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00
Contingency	LS				5000.00
Sub Total					47727.16
Total					4700649.41
Over Head Cost (50% of Compensatory Afforestation)					2350324.70
Grand Total					7050974.11
Grand Total (Rounded off)					7050975.00
Rupees Seventy lakh fifty thousands nine hundred seventy five only					

Technically Approved By:

Submitted by:


 Conservator of Forests
 Lower Assam Social Forestry Circle
 Bongaigaon


 Divisional Forest Officer
 Aic Valley Division, Bongaigaon

Abstract

Details	(Amount in Rs.)
Erection of fencing	2452016.74
Infrastructure in Plantation Area	56500.00
Advance works	270250.00
Creation	80000.00
1st year maintenance	165000.00
2nd year maintenance	358760.00
3rd year maintenance	345736.00
4th year maintenance	298884.80
5th year maintenance	281422.08
6th year maintenance	220530.75
7th year maintenance	38344.98
8th year maintenance	41179.47
9th year maintenance	44297.42
10th year maintenance	47727.16
Total	4700649.41
50% Over Head Cost of Compensatory Afforestation	2350324.70
Grand Total	7050974.11
Grand Total (Rounded off)	7050975.00

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