

**Estimate for the creation and maintenance of 40 hectare plantation under Compensatory Afforestation at Bhairab Hill RF under Abhayapuri Range of Aie Valley Division, Bongaigaon against Construction of 400KV D/C Bongaigaon-Nangalbibra Transmission Line**

Location	Bhairab Hill RF
Area (Ha)	40
Spacing (m x m)	2 X 2
Number of Saplings/ ha	2500
Length of Fence (RM)	2700.00
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	
						GST	Labour Cess
<b>ERECTION OF FENCING</b>							
(a) Cost of full chain link fencing (4' ht with 10 guage 3" dia link) with 3 strand barbed wire, to be filled 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 2700 RM @ Rs. 1706/RM as per estimate.	RMs		2700	1706	4606200.00		
<b>Sub Total</b>					<b>4606200.00</b>		
<b>INFRASTRUCTURE IN PLANTATION AREA</b>							
Construction of Camp Hut with installation of Ring Well/ Tube Well	Nos.		1	225000	225000.00		
Cost of tools & implements	Set		2	5000	10000.00		
Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	40000	40000.00		
Camp accessories @ Rs. 10000 Per Camp	Nos.		2	10000	20000.00		
<b>Sub Total</b>					<b>295000.00</b>		
<b>GST</b>					<b>35400.00</b>	<b>12%</b>	
<b>Labour Cess</b>					<b>2950.00</b>		<b>1%</b>
<b>Total</b>					<b>333350.00</b>		
<b>ADVANCE WORK</b>							
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	165000	10	1650000.00		
Site selection, surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	1600	320	512000.00		
<b>Sub Total</b>					<b>2162000.00</b>		
<b>CREATION</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 @ 50 DLs/ ha	DLs	50	2000	320	640000.00		
<b>Sub Total</b>					<b>640000.00</b>		
<b>1ST YEAR MAINTENANCE</b>							
4 weeding, mulching and fire protection works @ 25 DLs/ ha/ weeding	DLs	100	4000	320	1280000.00		
Maintenance & Protection of field nursery and watch and ward for the plantation area (2 DL for 365 days)	DLs	2	730	320	233600.00		
Contingency	LS				15000.00		
<b>Sub total</b>					<b>1528600.00</b>		

<b>2<sup>ND</sup> YEAR MAINTENANCE</b>							
4 weedings, mulching & fire protection works @ 25 DLs/ha/weeding	DLs	100	4000	352	1408000.00		
25% vacancy filling by 1 year old seedlings from nursery @ 28 DLs/ha	DLs	28	1120	352	394240.00		
Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (2 DL for 365 days)	DLs	2	730	352	256960.00		
Maintenance of Camp Hut, Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				10000.00		
Contingency	LS				15000.00		
<b>Sub Total</b>					<b>2084200.00</b>		
<b>3<sup>RD</sup> YEAR MAINTENANCE</b>							
4 weedings, mulching & fire protection works @ 20 DLs/ ha/ weeding	DLs	80	3200	387.2	1239040.00		
15% Vacancy filling by 2 year old seedlings from nursery @ 23 DLs/ ha	DLs	23	920	387.2	356224.00		
Maintenance and protection of field nursery and watch & ward for the plantation area (2 DL for 365 days)	Dls	2	730	387.2	282656.00		
Maintenance of Camp Hut, Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		
Contingency	LS				15000.00		
<b>Sub Total</b>					<b>1897920.00</b>		
<b>4<sup>TH</sup> YEAR MAINTENANCE</b>							
3 weedings, fire protection works @ 15 DLs/ ha/ weeding	DLs	45	1800	425.92	766656.00		
10% Vacancy filling by 3 year old seedlings from nursery @ 20 DLs/ ha	DLs	20	800	425.92	340736.00		
Maintenance and protection of field nursery and watch & ward for the plantation area (1 DL for 365 days)	DLs	1	365	425.92	155460.80		
Maintenance of Camp Hut, Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		
Contingency	LS				15000.00		
<b>Sub Total</b>					<b>1282852.80</b>		
<b>5<sup>TH</sup> YEAR MAINTENANCE</b>							
Climber cutting, 3 weedings & other silvicultural works and fire protection works @ 15 DLs/ ha	DLs	45	1800	468.512	843321.60		
Maintenance and protection of field nursery and watch & ward for the plantation area (1 DL for 365 days)	Dls	1	365	468.512	171006.88		
Maintenance of Camp Hut, Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		
Contingency	LS				15000.00		
<b>Sub Total</b>					<b>1034328.48</b>		
<b>6<sup>TH</sup> YEAR MAINTENANCE</b>							
Repairing of Chainlink fencing	LS				25000.00		
1st mechanical thinning of alternate single strips in the plantation; 1250 nos of stems/ha	DLs	62	2480	515.3632	1278100.74		
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ ha	DLs	10	400	515.3632	206145.28		
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		




Contingency	LS				5000.00		
<b>Sub Total</b>					<b>1519246.02</b>		
<b>7TH YEAR MAINTENANCE</b>							
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ ha	DLs	10	400	566.8995	226759.81		
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		
Contingency	LS				5000.00		
<b>Sub Total</b>					<b>236759.81</b>		
<b>8th YEAR MAINTENANCE</b>							
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ ha	DLs	10	400	623.5895	249435.79		
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		
Contingency	LS				5000.00		
<b>Sub Total</b>					<b>259435.79</b>		
<b>9th YEAR MAINTENANCE</b>							
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ ha	DLs	10	400	685.9484	274379.37		
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		
Contingency	LS				5000.00		
<b>Sub Total</b>					<b>284379.37</b>		
<b>10th YEAR MAINTENANCE</b>							
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ ha	DLs	10	400	754.5433	301817.30		
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000.00		
Contingency	LS				5000.00		
<b>Sub Total</b>					<b>311817.30</b>		
<b>Total</b>					<b>18181089.56</b>		
<b>Over Head Cost (50% of Compensatory Afforestation)</b>					<b>9090544.78</b>		
<b>Grand Total</b>					<b>27271634.35</b>		
<b>Grand Total (Rounded off)</b>					<b>27271635.00</b>		
<b>Rupees Two crores Seventy Two lakh Seventy One thousand Six Hundred Thirty Five only</b>							

Technically Approved By:

Submitted by:

  
 Conservator of Forests  
 Lower Assam Social Forestry Circle  
 Bongaigaon

  
 Divisional Forest Officer  
 Aie Valley Division, Bongaigaon

Abstract

Details	(Amount in Rs.)
Erection of fencing	4606200.00
Infrastructure in Plantation Area	333350.00
Advance works	2162000.00
Creation	640000.00
1st year maintenance	1528600.00
2nd year maintenance	2084200.00
3rd year maintenance	1897920.00
4th year maintenance	1282852.80
5th year maintenance	1034328.48
6th year maintenance	1519246.02
7th year maintenance	236759.81
8th year maintenance	259435.79
9th year maintenance	284379.37
10th year maintenance	311817.30
<b>Total</b>	<b>18181089.56</b>
<b>50% Over Head Cost of Compensatory Afforestation</b>	<b>9090544.78</b>
<b>Grand Total</b>	<b>27271634.35</b>
<b>Grand Total (Rounded off)</b>	<b>27271635.00</b>

**Rupees Two crores Seventy Two lakh Seventy One thousand Six**

Technically Approved By:

  
Conservator of Forests  
Lower Assam Social Forestry Circle  
Bongaigaon

Submitted by:

  
Divisional Forest Officer  
Aie Valley Division, Bongaigaon