

**Scheme for 1.35 Ha (Block-1) Compensatory Afforestation Plantation at Dholmara RF for the Construction of 400 KV D/C Transmission Line From Bongaigaon to Nangalbibra under Haltugaon Forest Division, Kokrajhar.**

**ESTIMATE FOR 1.35 HA CA SCHEME BASED ON NORMS FOR 5 HA ARTIFICIAL REGENERATION (AR) PLANTATION**

	Area (ha)	=	1.35					
	Spacing (m X m)	=	2 X 2					
	Number of Saplings/ ha	=	2500					
	Length of Fence (RM)	=	680					
	Wage rate for the 1st year(Rs.)	=	320					
	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 Qty.	Rate / Unit	Amount (Rs.)	Applicable rate of GST/Cess etc. (Rs.)	
	<b>ERECTION OF FENCING</b>						<b>GST</b>	<b>Labour</b>
A	(a) Cost of full chain link fencing (4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) 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 680 RM @ Rs. 1706/RM as per estimate.	RMs		680	1706	11,60,080.00		
							14.05%	1%
	<b>Sub total</b>					<b>11,60,080.00</b>	<b>1,62,991.24</b>	<b>11,600.80</b>
	<b>INFRASTRUCTURE IN PLANTATION AREA</b>							
B	Cost of tools and implements.	Set		1	10,000	10,000.00		
	Cost of RCC signboard & Gate including fitting and fixing of the same.	Nos.		1	40,000	40,000.00		
							12%	1%
	<b>Sub total</b>					<b>50,000.00</b>	<b>6,000.00</b>	<b>500.00</b>
	<b>ADVANCE WORK (including site nursery)</b>							
C	Raising of Nursery for creation including vacancy filling for 3 (three) years (25% + 15% + 10%) and site nursery mortality 15% by using polypots.	Nos.	4125	5568.75	10	55,687.50		
	Site selection, Surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	54	320	17,280.00		
	<b>Sub total</b>					<b>72,967.50</b>		
	<b>CREATION</b>							
D	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	68	320	21,600.00		
	<b>Sub total</b>					<b>21,600.00</b>		
	<b>1st YEAR MAINTENANCE</b>							
E	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	135	320	43,200.00		
	Contingency	LS				2,500.00		
	<b>Sub total</b>					<b>45,700.00</b>		



F	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>						
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	135	320	43,200.00	
	25% Vacancy filling by 1 year old seedlings from nursery@ 28 DLs/ha	DLs	28	38	320	12,096.00	
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	320	1,16,800.00	
	Contingency	LS				10,000.00	
	<b>Sub total</b>					<b>1,82,096.00</b>	
G	<b>3<sup>rd</sup> YEAR MAINTENANCE</b>						
	4 weedings, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	80	108	320	34,560.00	
	15% Vacancy filling by 2 year old saplings from nursery@ 23DLs/ha	DLs	23	31	320	9,936.00	
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	320	1,16,800.00	
	Contingency	LS				10,000.00	
	<b>Sub total</b>					<b>1,71,296.00</b>	
H	<b>4<sup>th</sup> YEAR MAINTENANCE</b>						
	3 weedings, fire protection works @ 15 DLs/ha/weeding.	DLs	45	61	320	19,440.00	
	10% Vacancy filling by 3 year old saplings from nursery@ 20DLs/ha	DLs	20	27	320	8,640.00	
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	320	1,16,800.00	
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5,000.00	
	Contingency	LS				10,000.00	
	<b>Sub total</b>					<b>1,59,880.00</b>	
I	<b>5<sup>th</sup> YEAR MAINTENANCE</b>						
	Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	61	320	19,440.00	
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLS	1	365	320	1,16,800.00	
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5,000.00	
	Contingency	LS				10,000.00	
	<b>Sub total</b>					<b>1,51,240.00</b>	
J	<b>6<sup>th</sup> YEAR MAINTENANCE</b>						
	Repairing of chainlink fencing.	LS				25,000.00	
	1st mechanical thinning of alternate single strips in the plantation: 1250 nos. of stems/ha.	DLs	62	84	320	26,784.00	
	Climber cutting, other Silvicultural works and fire protection works @10 DLs/ha	DLs	10	14	320	4,320.00	
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5,000.00	
	Contingency	LS				9,000.00	
	<b>Sub total</b>					<b>70,104.00</b>	



K	7 <sup>th</sup> YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	14	320	4,320.00		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5,000.00		
	Contingency	LS				5,000.00		
	Sub total					14,320.00		
L	8 <sup>th</sup> YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	14	320	4,320.00		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5,000.00		
	Contingency	LS				5,000.00		
	Sub total					14,320.00		
M	9 <sup>th</sup> YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	14	320	4,320.00		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5,000.00		
	Contingency	LS				5,000.00		
	Sub total					14,320.00		
N	10 <sup>th</sup> YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	14	320	4,320.00		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5,000.00		
	Contingency	LS				5,000.00		
	Sub total					14,320.00		
Total						21,42,243.50	1,68,991.50	12,100.81
Total (including GST & labour cess)						23,23,335.81		
Over Head Cost (50% of Compensatory Afforestation)						10,71,121.75		
Grand Total						33,94,458		
Roundup by Nearest Thousand (Rs.)						33,95,000		
In Words (Rupees Thirty Three Lakhs Thirty Nine Five Thousand) Only								

**NOTE:**

\*Subject to actual measurement in the field.

\*\*Subject to revision of scheduled of rates.

The rates of fencing have been considered from CPWD norms as per Delhi Scheduled rates 2021.

**Technically approved.**

Chief Conservator of Forests  
---cum---  
CHD, Forests, BTC, Kokrajhar



**Submitted by,**

*[Signature]*  
Divisional Forest Officer  
Haltugaon Division  
Kokrajhar  
**Divisional Forest Officer**  
**Haltugaon Division, Kokrajhar**

### Abstract

Details	(Amount in Rs.)
Erection of fencing	1160080.00
Infrastructure in Plantation Area	50000.00
Advance works	72967.50
Creation	21600.00
1st year maintenance	45700.00
2nd year maintenance	182096.00
3rd year maintenance	171296.00
4th year maintenance	159880.00
5th year maintenance	151240.00
6th year maintenance	70104.00
7th year maintenance	14320.00
8th year maintenance	14320.00
9th year maintenance	14320.00
10th year maintenance	14320.00
<b>Sub Total (Rs.)</b>	<b>2142243.50</b>
50% Over Head Cost of Compensatory Afforestation	1071121.75
GST @ 14.05 % and Cess @1% of SL No. A	174592.04
GST @ 12 % and Cess @1% of SL No. B	6500.00
<b>Grand Total (Rs.)</b>	<b>3394457</b>
<b>Roundup by Nearest Thousand (Rs.)</b>	<b>3395000</b>
<i>In Words (Rupees Thirty Three Lakhs Thirty Ninety Five Thousand) Only</i>	

Technically approved.

Chief Conservator of Forests  
---cum---  
CHD, Forests, BTC, Kokrajhar



Submitted by,

*Je*  
Divisional Forest Officer  
Haltugaon Division  
Kokrajhar  
Divisional Forest Officer  
Haltugaon Division, Kokrajhar