

**Estimate for 44 Ha. Compensatory Afforestation against Rupsi Airport at Sissoobari village**

Total Area = 44 Ha.  
 Spacing (m x m) = 2 x 2  
 Saplings per Ha. = 2500  
 Length of Fence (RM) = 9000  
 Wage Rate = 366

Increase in wage rate for subsequent years by a factor = 1.1

SI No.	Particular of works	Units	Qty./ Ha	Total Qty.	Rate/ Unit	Amount (Rs.)	Application rate of GST/Cess etc.	
							GST	Labour Cess
A	<b>ERECTION OF FENCING</b>						<b>14.05%</b>	<b>1%</b>
	(a) Cost of full chain-linked fencing (4' ht. With 10 Gauge, 3" dia link) with 3 strand barbed wire (one strand below the chain link and two 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 details specification attached at 2.5m apart, including transportation, fitting and fixing for 9000 RM @ Rs. 1260/RM as per estimate (detailed estimate enclosed)	RM		9000	1260	11340000	<b>1593270</b>	<b>113400</b>
	<b>Sub Total</b>					<b>13046670</b>	<b>Including GST &amp; Labour cess</b>	
B	<b>INFRASTRUCTURE IN PLANTATION AREA</b>						<b>12%</b>	<b>1%</b>
	Cost of tools & implements	Set		4	10000	40000	9600	800
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	40000	40000		
	<b>Sub Total</b>					<b>90400</b>	<b>Including GST &amp; Labour cess</b>	
C	<b>ADVANCE WORK (including sit nursery)</b>						<b>12%</b>	<b>1%</b>
	Raising of Nursery for creation including vacancy filling for 3 (Three) years (25% + 15% + 10%) and sit nursery mortality 15% by using polypots	Nos.	4125	181500	10	1815000	-	-
	Sit selection, surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha	DLs	40	1760	366	644160	-	6442
	<b>Sub Total</b>					<b>2465602</b>	<b>Including Labour cess</b>	
D	<b>CREATION</b>						<b>12%</b>	<b>1%</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	2200	366	805200	-	8052
	<b>Sub Total</b>					<b>813252</b>	<b>Including Labour cess</b>	

E	<b>1<sup>st</sup> YEAR MAINTENANCE</b>						<b>12%</b>	<b>1%</b>
	4 weeding, mulching and fire protection works @ 25 DLs/ha/weeding	DLs	100	4400	366	1610400	-	16104
	Contingency	LS				22000		
	<b>Sub Total</b>					<b>1648504</b>	<b>Including Labour cess</b>	
F	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>						<b>12%</b>	<b>1%</b>
	4 weedings, mulching and fire protection works@ 25 DLs/ha./weeding	DLs	100	4400	403	1773200	-	17732
	25% vacancy filling by 1 year old seedlings from nursery @ 28 DLs/ha	DLs	28	1232	403	496496	-	4965
	Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 days)	DLs	4	1460	403	588380	-	5884
	Contingency	Ls				22000	-	-
	<b>Sub Total</b>					<b>2908657</b>	<b>Including Labour cess</b>	
G	<b>3<sup>rd</sup> YEAR MAINTENANCE</b>						<b>12%</b>	<b>1%</b>
	4 Weeding, mulching and fire protection works@ 20 DLs/ha/weeding	DLs	80	3520	443	1559360	-	15594
	15% Vacancy filling by 2 <sup>nd</sup> Year old seedlings from nursery @ 23 DLs/ha	DLs	23	1012	443	448316	-	4483
	Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (4 DL for 365 days)	DLs	04	1460	443	646780	-	3468
	Contingency	Ls				22000	-	-
	<b>Sub Total</b>					<b>2700001</b>	<b>Including Labour cess</b>	
H	<b>4<sup>th</sup> YEAR MAINTENANCE</b>						<b>12%</b>	<b>1%</b>
	3 Weeding, fire protection works@ 15 DLs/ha/weeding	DLs	45	1980	487	964260	-	9643
	10% vacancy filling by 3 years old seedlings from Nursery @ 20 DLs/Ha.	DLs	20	880	487	428560		4286
	Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 days)	DLs	4	1460	487	711020	-	7110
	Contingency	Ls				22000	-	-
	<b>Sub Total</b>					<b>2146879</b>	<b>Including Labour cess</b>	
I	<b>5<sup>th</sup> YEAR MAINTENANCE</b>						<b>12%</b>	<b>1%</b>
	Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	1980	536	1061280	-	10613
	Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 days)	DLs	3	1460	536	782560	-	7826
	Contingency	Ls				22000	-	-



Sub Total						1884279	Including Labour cess	
J	6 <sup>th</sup> YEAR MAINTENANCE							
	Repairing of Chainlink fencing	Ls				22000	-	-
	1 <sup>st</sup> mechanical thinning of alternate single strips in the plantation; 1250 Nos. of strms/ha	DLs	62	2294	590	1353460	-	13535
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	440	590	259600	-	2596
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000	-	-
	Contingency	LS				39600	-	-
Sub Total						1673791	Including Labour cess	
							12%	1%
K	7 <sup>th</sup> YEAR MAINTENANCE							
	Climber Cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	440	649	285560	-	2856
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				10000	-	-
	Contingency	LS				44000	-	-
Sub Total						342416	Including Labour cess	
							12%	1%
L	8 <sup>th</sup> YEAR MAINTENANCE							
	Climber Cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	440	714	314160	-	3142
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				10000	-	-
	Contingency	LS				44000	-	-
Sub Total						371302	Including Labour cess	
							12%	1%
M	9 <sup>th</sup> YEAR MAINTENANCE							
	Climber Cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	440	785	345400	-	3454
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				10000	-	-

Contingency		LS				44000	-	-
<b>Sub Total</b>						<b>402854</b>	<b>Including Labour cess</b>	
<b>10<sup>th</sup> YEAR MAINTENANCE</b>								
Climber Cutting, Silvicultural works and fire protection works @ 10 DLs/ha		DLs	10	440	864	380160	-	3802
Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.		LS				10000	-	-
Contingency		LS				44000	-	-
<b>Sub Total</b>						<b>437962</b>	<b>Including Labour cess</b>	
<b>Total</b>						<b>30932569</b>	<b>Including GST &amp; Labour cess</b>	
<b>Over Head Cost (50% of Compensatory Afforestation)</b>						<b>15466285</b>		
<b>Grand Total including GST, Labour Cess etc. Rs.</b>						<b>46398854</b>		

**ABSTRACT FOR 10 YEARS OF MAINTENANCE AND CREATION OF 44 HA. PLANTATION**

Sl No	Particulars	Amount
		<b>18064428.00</b>
1	1 <sup>st</sup> year creation and maintenance	2908657.00
2	2 <sup>nd</sup> year maintenance	2700001.00
3	3 <sup>rd</sup> year maintenance	2146879.00
4	4 <sup>th</sup> year maintenance	1884279.00
5	5 <sup>th</sup> year maintenance	1673791.00
6	6 <sup>th</sup> year maintenance	342416.00
7	7 <sup>th</sup> year maintenance	371302.00
8	8 <sup>th</sup> year maintenance	402854.00
9	9 <sup>th</sup> year maintenance	437962.00
10	10 <sup>th</sup> year maintenance	30932569.00
<b>Total</b>		<b>15466285.00</b>
<b>Over Head Cost (50% of Compensatory Afforestation)</b>		<b>46398854.00</b>
<b>Grand Total amount (Including GST, Labour Cess etc.)</b>		

Rupees (Four Crore sixty three lakhs ninety eight thousand eight hundred fifty four) only.



Technically Approved by  
Addl. Principal Chief Conservator of Forests Cum CHD,  
Bodoland Territorial Council, Kokrajhar



Divisional Forest Officer  
Chirang Division  
Kajalgaon