

**ESTIMATE FOR COMPENSATORY AFFORESTATION FOR CREATION  
AND MAINTENANCE OF 5.500 HECT PLANTATION AT KUNDIL KALIARF UNDER  
DOOMDOOMA DIVISION AGAINST DPDU(ONGC) DRILLING LOCATION.**

**Location: KUNDIL KALIA R.F.**

Area in Hactre	=	5.500 ha.
SPACING (m x m)	=	2 X 2
No. of Saplings/ha	=	2500
Length of fence (RM)	=	1093
Wage Rate for first year (Rs.)	=	273
Increase in wages rate for subsequent years by a factor	=	1:1
Appreciation of material costs by a factor	=	1:1

*Species to be planted: Simul , Siris, Khokon, Hollock, Sisoo, Lali, Poma, Seleng, Moss, Bhelkor, Gomari, Hengalu, Ghoraneem*

Sl No	Particulars of works	Unit	Qty/Ha	Total Qty.	Rate/unit	Amount (in Rs.)
<b>A</b>	<b>ERECTION OF FENCING</b>				<b>273/DL</b>	
	(a) Cost of full chain linked Goat Proof fencing (4 ft ht. with 10 Gauge, 3" dia link) to be fitted on pre-cast RCC pillars at 1.80 mt. apart including transportation of fencing materials to site for 1083 RM @ Rs.800/per RM as per estimate	RMs	-	1093	800	874400.00
	(b) Wages of Dls for carrying, fitting, fixing etc. of fencing materials @ 20 Dls/ per 100 RM	DLs	-	219	273	59787.00
	<b>Sub-total</b>					<b>934187.00</b>
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>					
	Construction of camp hut	Nos.	-	1	150000	150000.00
	Installation of ring/tube well	Nos.	-	1	50000	50000.00
	Irrigation facility with Solar generator and hose pipes for watering the nursery and plantation (during dry spells)	Nos.	-	1	50000	50000.00
	Cost of tools & implements	Nos.	-	1	10000	10000.00
	Cost of Eco friendly material display board & Gate including fitting and fixing of the same	Nos.	-	1	60000	60000.00
	Camp accessories @ Rs.10,000/per camp	Nos.	-	1	10000	10000.00
	Construction of Inspection Path 1000 RM @ Rs. 50/-RM	RMs	-	1000	50	50000.00
	<b>Sub-total</b>					<b>380000.00</b>
<b>C</b>	<b>ADVANCE WORK</b>				<b>@ Rs. 273/DL</b>	
	Site selection, surveying, demarcation, jungle cutting, making compost etc. 20 Dls/Ha	DLs	20	110	273	30030.00
	Preparation and acquisition of bamboo pot saplings in the field nursery for planting 2500 Nos. seedlings/ha @ Rs. 6/ per polypot	Nos.	2500	13750	6	82500.00

	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	3438	6.5	22347.00
	b) 20% mortality expected during 2nd Year (to be planted in the field during the third year), i.e. 500 seedlings/ha @ Rs. 7/-per polypot	Nos.	500	2750	7	19250.00
	c) 15% mortality expected during 3 <sup>rd</sup> Year (to be planted in the field during the 4th year), i.e. 375 seedlings/ha @ Rs. 7.50 per polypot	Nos.	375	2063	7.5	15473.00
	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	1375	8	11000.00
	Cost of bamboo, making, stacking & transportation etc.	Nos.	625	3358	1	3358.00
	Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha.	DLs	5	28	273	7644.00
	Supervision & Monitoring	L.S.				10000.00
	<b>Sub-total</b>					<b>201602.00</b>
<b>D</b>	<b>CREATION &amp; 1st YEAR MAINTENANCE @ Rs. 273/DL</b>					
	Soil working, carriage of stump, Bamboo seedlings & planting at the plantation site including dibbling of seeds wherever necessary to complete raising of plantation with all necessary operations @ 40 DLs/ha.	DLs	40	220	273	60060.00
	5 weedings, mulching & fire protection works @ 18 DLs/ha /weeding	DLs	90	495	273	135135.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	28	273	7644.00
	Maintenance & protection of field nursery ( 1 DL for 365 days) & watch & ward for the plantation area ( 1 DLs for 365 days)	DLs	1	365	273	99645.00
	Maintenance of camp huts, implements, ring/tube-well, upkeep of plantation, display board, documentation, upkeep of records and other misc. work.	LS	-	-	-	10000
	Awareness and monitoring @ Rs. 800/ha	L.S.	-		800	4400.00
	<b>Sub-total</b>					<b>316884.00</b>
<b>E</b>	<b>2nd YEAR MAINTENANCE @ Rs. 300/DL</b>					
	5 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	75	413	300	123900.00
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	55	300	16500.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	28	300	8400.00
	Maintenance & protection of field nursery ( 1 DL for 365 days) & watch & ward for the plantation area ( 1 DLs for 365 days)	DLs	1	365	300	109500.00



	Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S.	-	-	-	11000.00
	Supervision cost	L.S.	1			4000.00
	Contingency L.S.	L.S.				2500.00
	<b>Sub-total</b>					<b>275800.00</b>
<b>F</b>	<b>3rd YEAR MAINTENANCE</b>	<b>@ Rs. 330/DL</b>				
	4 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	60	330	330	108900.00
	20% vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	44	330	14520.00
	Protection work, cattle watching, upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	28	330	9240.00
	Maintenance & protection of field nursery ( 1 DL for 365 days) & watch & ward for the plantation area ( 1DLs for 365 days)	DLs	1	365	330	120450.00
	Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, display board, documentation, upkeep of records.	L.S.	-	-	-	12100.00
	Supervision cost	L.S.	1		-	4000.00
	Contingency @ 15% over previous year	L.S.				2875.00
	<b>Sub-total</b>					<b>272085.00</b>
<b>G</b>	<b>4th YEAR MAINTENANCE</b>	<b>@ Rs. 363/DL</b>				
	4 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	60	330	363	119790.00
	15% vacancy filling by 2 years old seedlings from nursery @ 6 DLs/ha	DLs	6	33	363	11979.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	28	363	10164.00
	Maintenance & protection of field nursery ( 1 DL for 365 days) & watch & ward for the plantation area ( 1 DLs for 365 days)	DLs	1	365	363	132495.00
	Maintenance of camp huts, implements, ring/tube-well, upkeep of plantation, display board, documentation, upkeep of records etc.	L.S.	-	-	-	10000.00
	Supervision cost	L.S.				4000.00
	Contingency @ 15% over previous year	L.S.				3306.00
	<b>Sub-total</b>					<b>291724.00</b>

						@ Rs. 399/DL
H	<b>5th YEAR MAINTENANCE</b>					
	Climber cutting, weeding and other silvicultural works & fire protection works @ 8 DLs/ha	DLs	8	44	399	17556.00
	10% vacancy filling by 2 years old seedlings from nursery @ 4 DLs/ha	DLs	4	22	399	8778.00
	Maintenance & fencing post replacement @ 3% initial cost of material			0.03	874400	2623.00
	Upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	22	399	8778.00
	Watch & ward for the plantation area ( 1 DLs for 365 days)	DLs	1	365	399	145635.00
	Maintenance of camp hut, implements, ring/tube – well, upkeepment of plantation, display board, documentation and upkeep of records etc.	L.S.	-	-	-	15000.00
	Supervision cost	L.S.				4000.00
	Contingency @ 15% over previous year	L.S.				3802.00
	<b>Sub-total</b>					<b>206172.00</b>
I	<b>6th YEAR MAINTENANCE</b>					@ Rs. 439/DL
	Climber cutting, other silvicultural works & fire protection works @ 15 DLs/ha	DLs	15	83	439	36437.00
	Upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	22	439	9658.00
	Watch & ward for the plantation area ( 1 DLs for 365 days)	DLs	1	365	439	160235.00
	Maintenance of camp hut, implements, ring/tube– well, upkeepment of plantation, signboard, documentation and upkeepment of records etc.	L.S.	-	-	-	15000.00
	Supervision cost	L.S.				4000.00
	Contingency @ 15% over previous year	L.S.				4373.00
	<b>Sub-total</b>					<b>229703.00</b>
						@ Rs. 483/DL
	<b>7th YEAR MAINTENANCE</b>					
J	Climber cutting, other silvicultural works & fire protection works @ 12 DLs/ha	DLs	12	66	483	31878.00
	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	28	483	13524.00
	Maintenance of camp hut, implements, ring/tube– well, upkeep of plantation, display board, documentation and upkeepment of records etc.	L.S.	-	-	-	18000.00
	Supervision cost	L.S.	-	-	-	4000.00
	Contingency @ 15% over previous year.	L.S.				5028.00
	<b>Sub-total</b>					<b>72430.00</b>
						@ Rs. 531/DL
K	<b>8th YEAR MAINTENANCE</b>					
	Climber cutting, other silvicultural works & fire protection works @ 8 DLs/ha	DLs	8	44	531	23364.00
	Protection work, cattle watching, upkeepment of	DLs	5	28	531	14868.00




	plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha					
	Maintenance of camp hut, implements, ring/tube-well, upkeep of plantation, display board, documentation and upkeepment of records etc.	L.S.	-	-	-	20000.00
	Supervision cost	L.S.	-	-	-	4000.00
	Contingency @ 15% over previous year	L.S.	-	-	-	5783.00
	<b>Sub-total</b>					<b>68015.00</b>
<b>L</b>	<b>9th YEAR MAINTENANCE</b>	<b>@ Rs. 584/DL</b>				
	Climber cutting, other silvicultural works & fire protection works @ 7 DLs/ha	DLs	7	39	584	22776.00
	Protection work, cattle watching, upkeep of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 5 Dls/ha	DLs	5	287	584	16352.00
	Maintenance of camp hut, implements, ring/tube-well, upkeepment of plantation, display board, documentation and upkeepment of records etc.	L.S.	-	-	-	22000.00
	Supervision cost	L.S.	-	-	-	4000.00
	Contingency @ 15% over previous year	L.S.	-	-	-	6650.00
	<b>Sub-total</b>					<b>71778.00</b>
<b>M</b>	<b>10th YEAR MAINTENANCE</b>	<b>@ Rs. 642/DL</b>				
	Climber cutting, other silvicultural works & fire protection works @ 6 DLs/ha	DLs	6	33	642	21186.00
	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	22	642	14124.00
	Maintenance of camp hut, implements, ring/tube-well, upkeep of plantation, display board, documentation and upkeepment of records etc.	L.S.	-	-	-	25000.00
	Supervision cost	L.S.	-	-	-	4000.00
	Contingency @ 15% over previous year	L.S.	-	-	-	7648.00
	<b>Sub-total</b>					<b>71958.00</b>
	<b>Total</b>					<b>3392338.00</b>
	<b>Overhead cost @50% of the total cost</b>					<b>1696169.00</b>
	<b>Grand total</b>					<b>5088507.00</b>

(Rupees fifty lakh eighty eight thousand five hundred seven) only.

Technically Approved

  
Conservator of Forests  
Eastern Assam Circle  
JORHAT

Submitted,

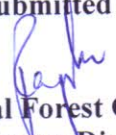
  
Divisional Forest Officer,  
Doomdooma Division,  
DoomDooma.

**ABSTRACT**

Sl No.	Items	Amount( in Rs.)
1	A. Erection of fencing	934187.00
	B. Infrastructure in plantation area.	380000.00
	C. Advance work.	201602.00
	D. 1 <sup>st</sup> year creation and maintenance.	316884.00
2	E. 2 <sup>nd</sup> year maintenance	275800.00
3	F. 3 <sup>rd</sup> year maintenance	272085.00
4	G. 4 <sup>th</sup> year maintenance	291724.00
5	H. 5 <sup>th</sup> year maintenance	206172.00
6	I. 6 <sup>th</sup> year maintenance	229703.00
7	J. 7 <sup>th</sup> year maintenance	72430.00
8	K. 8 <sup>th</sup> year maintenance	68015.00
9	L. 9 <sup>th</sup> year maintenance	71778.00
6	M. 10 <sup>th</sup> year maintenance	71958.00
	<b>Total</b>	<b>3392338.00</b>
	<b>Overhead cost @50% of the total cost</b>	<b>1696169.00</b>
	<b>Grand total</b>	<b>5088507.00</b>

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Submitted

  
Divisional Forest Officer,  
Doomdooa Division,  
Domdooa