

**ESTIMATE FOR COMPENSATORY AFFORESTATION FOR CREATION
AND MAINTENANCE OF 5.372 HECT PLANTATION AT KUNDIL KALIARF UNDER
DOOMDOOMA DIVISION AGAINST KHDO(ONGC) DRILLING LOCATION.**

Location: KUNDIL KALIA R.F.

Area in Hactre	=	5.372 ha.
SPACING (m x m)	=	2 X 2
No. of Saplings/ha	=	2500
Length of fence (RM)	=	1083
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.)
A	ERECTION OF FENCING				273/DL	
	(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	-	1083	800	866400.00
	(b) Wages of Dls for carrying, fitting, fixing etc. of fencing materials @ 20 Dls/ per 100 RM.	DLs	-	217	273	59241.00
	Sub-total					925641.00
B	INFRASTRUCTURE IN PLANTATION AREA					
	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
	Sub-total					380000.00
C	ADVANCE WORK				@ Rs. 273/DL	
	Site selection, surveying, demarcation, jungle cutting, making compost etc. 20 Dls/Ha	DLs	20	107	273	29211.00
	Preparation and acquisition of bamboo pot saplings in the field nursery for planting 2500 Nos. seedlings/ha @ Rs. 6/ per polypot	Nos.	2500	13430	6	80580.00

	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	3358	6.5	21827.00
	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	2686	7	18802.00
	c) 15% mortality expected during 3 rd Year (to be planted in the field during the 4th year), i.e. 375 seedlings/ha @ Rs. 7.50 per polypot	Nos.	375	2015	7.5	15113.00
	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	1343	8	10744.00
	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	26.86	273	7333.00
	Supervision & Monitoring	L.S.				10000.00
	Sub-total					196968.00
D	CREATION & 1st YEAR MAINTENANCE @ Rs. 273/DL					
	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	215	273	58695.00
	5 weedings, mulching & fire protection works @ 18 DLs/ha /weeding	DLs	90	484	273	132132.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	27	273	7371.00
	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	4298
	Sub-total					312141.00
E	2nd YEAR MAINTENANCE @ Rs. 300/DL					
	5 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	75	403	300	120900.00
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	54	300	16200.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	27	300	8100.00
	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
	Sub-total					272200.00
F	3rd YEAR MAINTENANCE @ Rs. 330/DL					
	4 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	15	322	330	106260.00
	20% vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	43	330	14190.00
	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	27	330	8910.00
	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
	Sub-total					268785.00
G	4th YEAR MAINTENANCE @ Rs. 363/DL					
	4 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	60	322	363	116886.00
	15% vacancy filling by 2 years old seedlings from nursery @ 6 DLs/ha	DLs	6	32	363	11616.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	27	363	9801.00
	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
	Sub-total					288104.00

H	5th YEAR MAINTENANCE				@ Rs. 399/DL	
	Climber cutting, weeding and other silvicultural works & fire protection works @ 8 DLs/ha	DLs	8	42	399	16758.00
	10% vacancy filling by 2 years old seedlings from nursery @ 4 DLs/ha	DLs	4	21	399	8379.00
	Maintenance & fencing post replacement @ 3% initial cost of material			0.03	866400	25992.00
	Upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 4 Dls/ha	DLs	4	21	399	8379.00
	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
Sub-total					227945.00	
I	6th YEAR MAINTENANCE				@ Rs. 439/DL	
	Climber cutting, other silvicultural works & fire protection works @ 15 DLs/ha	DLs	15	81	439	35559.00
	Upkeepment of plantation and making of inspection path, repairing of fence etc. on day to day basis @ 4 Dls/ha	DLs	4	21	439	9219.00
	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
	Sub-total					228386.00
J	7th YEAR MAINTENANCE				@ Rs. 483/DL	
	Climber cutting, other silvicultural works & fire protection works @ 12 DLs/ha	DLs	12	64	483	30912.00
	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	27	483	13041.00
	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
	Sub-total					70981.00
K	8th YEAR MAINTENANCE				@ Rs. 531/DL	
	Climber cutting, other silvicultural works & fire protection works @ 8 DLs/ha	DLs	8	42	531	22302.00
	Protection work, cattle watching, upkeepment of	DLs	5	27	531	14337.00

	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
	Sub-total					66422.00
L	9th YEAR MAINTENANCE				@ Rs. 584/DL	
	Climber cutting, other silvicultural works & fire protection works @ 7 DLs/ha	DLs	7	38	584	22192.00
	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	27	584	15768.00
	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
	Sub-total					70610.00
M	10th YEAR MAINTENANCE				@ Rs. 642/DL	
	Climber cutting, other silvicultural works & fire protection works @ 6 DLs/ha	DLs	6	32	642	20544.00
	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	21	642	13482.00
	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
	Sub-total					70674.00
	Total					3378857.00
	Overhead cost @50% of the total cost					1689429.00
	Grand total					5068286.00

(Rupees fifty lakh sixty eight thousand two hundred eighty six) only.

Submitted,

Divisional Forest Officer,
Doomdooma Division,
DoomDooma.

Technically Approved

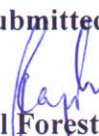
Conservator of Forests
Eastern Assam Circle
JORHAT

ABSTRACT

Sl No.	Items	Amount(in Rs.)
1	A. Erection of fencing	925641.00
	B. Infrastructure in plantation area.	380000.00
	C. Advance work.	196968.00
	D. 1 st year creation and maintenance.	312141.00
2	E. 2 nd year maintenance	272200.00
3	F. 3 rd year maintenance	268785.00
4	G. 4 th year maintenance	288104.00
5	H. 5 th year maintenance	227945.00
6	I. 6 th year maintenance	228386.00
7	J. 7 th year maintenance	70981.00
8	K. 8 th year maintenance	66422.00
9	L. 9 th year maintenance	70610.00
6	M. 10 th year maintenance	70674.00
	Total	3378857.00
	Overhead cost @50% of the total cost	1689429.00
	Grand total	5068286.00

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