

**ESTIMATE FOR COMPENSATORY AFFORESTATION FOR CREATION
AND MAINTENANCE OF 5.138 HECT PLANTATION AT KUNDIL KALIA RF UNDER
DOOMDOOMA DIVISION AGAINST KHDH(ONGC) DRILLING LOCATION.**

Location: KUNDIL KALIA R.F.

Area in Hactre	= 5.138 ha.
SPACING (m x m)	= 2 X 2
No. of Saplings/ha	= 2500
Length of fence (RM)	= 1078
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

SI 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 1078 RM @ Rs.800/per RM as per estimate	RMs	-	1078	800	862400.00
	(b) Wages of Dls for carrying, fitting, fixing etc. of fencing materials @ 20 Dls/ per 100 RM	DLs	-	216	273	58968.00
	Sub-total					921368.00
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	103	273	28119.00
	Preparation and acquisition of bamboo pot saplings in the field nursery for planting 2500 Nos. seedlings/ha @ Rs. 6/ per polypot	Nos.	2500	12845	6	77070.00

	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	3211	6.5	20872.00
	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	2569	7	17983.00
	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	1927	7.5	14453.00
	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	1285	8	10280.00
	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	273	7098.00
	Supervision & Monitoring	L.S.				10000.00
					Sub-total	189233.00
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	206	273	56238.00
	5 weedings, mulching & fire protection works @ 18 DLs/ha /weeding	DLs	90	462	273	126126
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	26	273	7098
	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	4110.00
					Sub-total	303217.00
E	2nd YEAR MAINTENANCE				@ Rs. 300/DL	
	5 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	75	386	300	115800.00
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	51	300	15300.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	26	300	7800.00
	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/tubewell, 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					265900.00
F	3rd YEAR MAINTENANCE @ Rs. 330/DL					
	4 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	15	308	330	101640.00
	20% vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	41	330	13530.00
	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	26	330	8580.00
	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/tubewell, 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					263175.00
G	4th YEAR MAINTENANCE @ Rs. 363/DL					
	4 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	60	308	363	111804.00
	15% vacancy filling by 2 years old seedlings from nursery @ 6 DLs/ha	DLs	6	31	363	11253.00
	Upkeepment of plantation & making of inspection path, repairing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	26	363	9438.00
	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/tubewell, 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					282296.00

H	5th YEAR MAINTENANCE				@ Rs. 399/DL	
	Climber cutting, weeding and other silvicultural works & fire protection works @ 8 DLs/ha	DLs	8	41	399	16359.00
	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	862400	25872.00
	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					227426.00
I	6th YEAR MAINTENANCE				@ Rs. 439/DL	
	Climber cutting, other silvicultural works & fire protection works @ 15 DLs/ha	DLs	15	77	439	33803.00
	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					226630.00
J	7th YEAR MAINTENANCE				@ Rs. 483/DL	
	Climber cutting, other silvicultural works & fire protection works @ 12 DLs/ha	DLs	12	62	483	29946.00
	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	26	483	12558.00
	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					69532.00
K	8th YEAR MAINTENANCE				@ Rs. 531/DL	
	Climber cutting, other silvicultural works & fire protection works @ 8 DLs/ha	DLs	8	41	531	21771.00
	Protection work, cattle watching, upkeepment of	DLs	5	26	531	13806.00

of fence etc. on day to day basis @ 5 Dls/ha	L.S.	-	-	-	20000.00
Maintenance of camp hut, implements, ring/tube- well, upkeep of plantation, display board, documentation and upkeepment of records etc.	L.S.	-	-	-	4000.00
Supervision cost	L.S.	-	-	-	5783.00
Contingency @ 15% over previous year	L.S.	-	-	-	65360.00
9th YEAR MAINTENANCE					
Climber cutting, other silvicultural works & fire protection works @ 7 DLs/ha	DLs	7	36	584	21024.00
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	26	584	15184.00
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 @ Rs. 584/DL					
					68858.00
10th YEAR MAINTENANCE					
Climber cutting, other silvicultural works & fire protection works @ 6 DLs/ha	DLs	6	31	642	19902.00
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 @ Rs. 642/DL					
					70032.00
Total					3333027.00
Overhead cost @50% of the total cost					1666514.00
Grand total					4999541.00

(Rupees forty nine lakh ninety nine thousand five hundred forty one) only.

Technically Approved

Conservator of Forests
Eastern Assam Circle
JORHAT

Submitted,

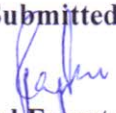
Divisional Forest Officer,
Doomdooma Division,
DoomDooma.

ABSTRACT

S No.	Items	Amount(in Rs.)
1	A. Erection of fencing	921368.00
	B. Infrastructure in plantation area.	380000.00
	C. Advance work.	189233.00
	D. 1 st year creation and maintenance.	303217.00
2	E. 2 nd year maintenance	265900.00
3	F. 3 rd year maintenance	263175.00
4	G. 4 th year maintenance	282296.00
5	H. 5 th year maintenance	227426.00
6	I. 6 th year maintenance	226630.00
7	J. 7 th year maintenance	69532.00
8	K. 8 th year maintenance	65360.00
9	L. 9 th year maintenance	68858.00
6	M. 10 th year maintenance	70032.00
	Total	3333027.00
	Overhead cost @50% of the total cost	1666514.00
	Grand total	4999541.00

(Rupees forty nine lakh ninety nine thousand five hundred forty one) only.

Submitted


Divisional Forest Officer,
Doomdooma Division,
Domdooma