

**MODEL COST ESTIMATES FOR COMPENSATORY AFFORESTATION
ON ALLOTTED NON FOREST LAND**

UNIT : 50 Ha
PERIMETER: 60 km/Ha.
LABOUR RATE: Rs. 252/Day
COST ESTIMATE: in Rs./Ha.

ADVANCE ACTION (0 YEAR)

S.No.	ITEMS	RATE (Rs.)	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest management activities.	575 / ha	588.00	50.19	638
2	Survey of area, lay out of contour trenches, burrow pits and making of segments / plots	463/ha	462.59	50.29	513
3	Fencing by stone wall and or by ditch.		0.00	0	
	a.) Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	225/mmt	7560.00	0	7560
	b.) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	245.16/mmt	8237.92	0	8238
4	Cost of raising 1210 seedlings in nursery.	3.93/- per	3397.86	1730.19	5128
5	Digging of 500 pits size: 0.45x(4+5/2)2	17.58/ pit	9855.21	0	9855
6	Digging up 400 mmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	28.28/mmt	12673.35	0	12673
7	Construction of 15 mt. long contour dykes of 30x30 cm. cross section on upper slopes and sowing of suitable thorny shrub species seeds along its inner side	30.46/ mmt	512.28	0	512
8	Treatment of Nallas by construction series of Checkdams of dry random rubble/earthen/brushwood	Prorata	734.70	0	735
9	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column	Prorata	80.45	97.37	178
10	Construction of approach road and inspection path	Prorata	278.03	0	278
11	Watch and ward @15325 per month for 4 months	Prorata	1450.48	0	1450
12	Construction of Thatched cattle guard hut:	Prorata	141.97	78.11	220
13	Cost of grass and other seeds	Prorata	0.00	242.89	243
14	Labour amenities	Prorata	92.28	85.6	178
15	Purchase of tools and plants	Prorata	0.00	110.21	110
16	Purchase or construction of water storage tank.	Prorata	79.27	48.15	127
17	Purchase of signboards and their fixing	Prorata	31.94	92.02	124
18	Misc. and unforeseen expenses including running of vehicles	Prorata	150.25	162.64	313
	TOTAL YEAR 0		46326.59	2747.76	49074
19	Administrative charges 10%		0.00		4907
	TOTAL		0.00		53982

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YEAR I (PLANTING YEAR)			0.00		
1	Collection of data regarding impact assessment and strengthening Joint Forest Management.	Prorata	0.00	72.76	73
2	Layout of staggered/continuous contour trenches, V-ditches, contour dykes and pits etc. by contour survey in 1/4th area	71/ha	79.27	0	79
3	Digging of 600 pits of size 0.45 (4+5/2)*2 Cum	17.59/ pit	11826.25	0	11826
4	Construction of silt detention dams/smal anicut/check dams, etc.	Prorata	3160.06	255.73	3416
5	Maintenance of 1210 seedling in nursery	2.11/ plant	2485.69	341.33	2827
6	Restoration of natural regeneration by making crescent shaped mounds on the lower slopes of seedling and sapling and making ring trenches around the natural trees/shrubs. (150 plant/ ha)	4.1/plant	688.56	0	689
7	Sowing of pellets of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing.	Prorata	984.34	62.06	1046
8	Sowing/dibbling of seeds of shrub species on the mounds of staggered/continuous contour trenches, "V" ditch and ditch fencing including pretreatment of seeds (370 rmt.)	0.59/ rmt	231.89	11.77	244
9	Sowing of seeds of shrub spp. on 60 mt. "V" ditch	Prorata	41.41	3.21	45
10	Transportation of 1100 plants from nursery to planting site	1.41/plant	1668.17	68.48	1737
11	Planting of 1100 seedlings including Refilling of pits	3.58/plant	5049.46	0	5049
12	Making of 1100 crescent shaped mounds below planted sapling after planting and dibbling 2 or 3 seeds of shrub species on the mound.	3.16/plant	4411.77	0	4412
13	Spot watering & application of insecticides in 1100 plants in case of advance planting.	3.16/plant	3904.23	0	3904
14	Additional watering in case of long drought spell with insecticide.	3.57/plant	3904.23	0	3904
15	Weeding and hoeing of 1100 plants in 2 times	2.03/plant	8797.52	0	8798
16	One additional hoeing of 1100 plants.	1.83/ plant	2511.72	0	2512
17	Weeding and hoeing on staggered/ continuous contour trenches and "V" ditch including Singling/spacement in the	Prorata	791.49	0	791
18	Purchase of insecticide and Fertilizers for 1100 plants.	0.82/plant	0.00	906.29	906
19	Raising of 110 seedlings in nursery for casualty replacement in year-2 (10% of 1100)	3.93/seedling	308.79	157.29	466
20	Watch and ward @16325 per month for 12 months	prorata	4351.44	0	4351
21	Special protection of frost tender species.	Prorata	41.41	36.38	78
22	Labour amenities.	Prorata	195.21	23.54	219
23	Repairs of fencing.	183/hact.	230.70	9.63	240
24	Repairs of check dams.	Prorata	84.00	5.35	89
25	Miscellaneous and unforeseen expenditure.	Prorata	156.17	117.7	274
TOTAL YEAR 1			55903.77	2071.82	67975
26	Administrative charges 10%		0.00		5798
TOTAL			0.00		83773

First Year Maintenance (year 2)				
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0.00	72.76
2	Maintenance of 110 Seedling in nursery for casualty replacement in 2nd year	2.15 /plant	225.97	31.03
3	Casualty replacement 110 plants including redigging of pits, transportation planting, watering	11.55/plant	1345.18	69.55
4	Sowing/dibbling of seeds of shrub species on the mounds of staggered/continuous contour trenches, "V" ditch and ditch fencing including pretreatment of seeds (185 m.)	0.61/ rmt	120.68	5.35
5	Weeding and Hoeing in 1100 plants in pits two times	3.57/plant	8797.52	0
6	Wedding and hoeing on staggered/ continuous contour trenches and "V" ditch including Singling/ spacement in the line sowing. (185 rmt.)	3.82/plant	792.68	0
7	Repair of fencing	216/-ha.	230.70	9.63
8	Repairing of Check dams	Prorata	160.90	11.77
9	Pruning of Trees species to boost up the growth	Prorata	244.90	12.84
10	Wages of Chowkidar @ Rs.15325/ month (only applicable to work chage employee)	prorata	4351.44	0
11	Misc. and unforeseen expenditure	prorata	143.15	67.41
	TOTAL YEAR 2		16413.13	280.34
12	Administrative charges 10%		0.00	0
	TOTAL		0.00	0
SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)				
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0.00	72.76
2	Sowing/dibbling of seeds of shrub species on the mounds of staggered/continuous contour trenches, "V" ditch and ditch fencing including pretreatment of seeds (185 m.)	0.61/ rmt	120.68	5.35
3	Repair of fencing	216/hact	230.70	9.63
4	Repairing of Check dams	Prorata	8.28	6.42
5	Pruning of Trees species to boost up the growth	Prorata	121.86	4.28
6	Wages of Chowkidar @ Rs. 15325/- month (only applicable to work chage employee)	prorata	4351.44	0
7	Maintenance of Vehicles	prorata	112.39	100.58
	TOTAL YEAR 3.		4945.35	199
	Administrative charges 10%			514
	Total			5659
GRAND TOTAL				
	0Year		53982	
	First Year		63773	
	Second Year		18363	
	Third Year		5659	
	Fourth Year		5659	
	Fifth Year		5659	
	Sarth Year		5659	
	Seventh Year		5659	
	Eighth year		5659	
	Ninth Year		5659	
	Tenth Year		5659	
	Eleventh Year		5659	
	Twelfth Year		5659	
	Total		192706	
	Say		192700	

उप वन संरक्षक (प्रशासन)
प्रधान मृगप्र वन संरक्षक

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भरतपुर

अभिषेक
(जनरल सिक कालास)
मुख्य वन संरक्षक (आवकजना)
राजस्थान जयपुर

MODEL COST ESTIMATE OF REGENERATION OF SAFETY ZONES

UNIT : 50 Ha
PERIMETER: 60 M/Ha.
LABOUR RATE: Rs.252/Day
COST ESTIMATE: In Rs./Ha.

0 YEAR (ADVANCE ACTION)

S.No.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Survey and demarcation of area also preparation of treatment map and accordingly prepare estimate of site	60/hacl		6	70
2	Raising of 1210 seedlings in nursery.	3.93/Seedling	63.89		
3	Digging of 500 pits size: $0.45 \times (.4 + .5/2)2$	17.54/pit	3397.86	1730	5128
4	Cost of grass and other seeds of trees.	Prorata	9855.21	0	9855
5	Labour amenities	Prorata	0.00	243	243
6	Purchase of Tools and Plants	Prorata	173.92	24	197
7	Purchase of signboards and their fixing.	Prorata	0.00	19	
8	Misc. and unforeseen expenditure	Prorata	18.93	92	111
			922.82	435	1358
	TOTAL YEAR 0		14433	2550	16982
	Administrative charges 10%				1698
				TOTAL	18681

PLANTING YEAR I (YEAR 1)

1	Digging of 600 pits of size $0.45 \times (.4 + .5/2)2$.	17.59/ pit	11826	0	11826
2	Maintenance of 1210 seedling in nursery	2.13/seedling	2486	341	2827
3	Restoration of natural regeneration by making crescent shaped	635/ha	711	0	711
4	Transportation of 1100 plants from nursery to planting site	1.41/ plant	1668	68	1737
5	Application of Insecticides and fertilizers in dug up 1100 pits.	0.40/seedling	495	0	495
6	Planting of 1100 seedlings including Refilling of pits	4.09/plant	5049	0	5049
7	Construction of 1100 crescent shaped mounds below planted sapling after planting and dibbling of 3 seeds of shrub species. on the mound.	3.58/plant	4412	0	4412
8	Spot watering & application of Insecticides in 1100 plants in case of advance planting.	3.16/plant	3904	0	3904
9	Additional watering in case of long drought spell	3.16/plant	3904	0	3904
10	Weeding and hoeing of 1100 plants in 2 times.	3.57/plant	8798	0	8798
11	One additional hoeing of 1100 plants.	2.03/plant	2512	0	2512
12	Purchase of insecticide and Fertilizers.	0.82/plant	0	906	906
13	Labour amenities.	Prorata	163	35	199
14	Maintenance of Vehicles	Prorata	0	621	621
15	Misc. and unforeseen expenditure.	Prorata	1178	296	1475
	TOTAL		47106	2268	49376
16	Administrative charges 10%				4937
				Total	54312
				Grand Total	72993
				Say	73000

Note - Casualty replacement and subsequent maintenance will be done by the lessee at his own cost.

COST ESTIMATE FOR FENCING OF SAFETY ZONE (Rate Rs./100m length)

S.No.	ITEM OF WORK	RATE (Rs.)	Labour	Material	TOTAL
1	INNER FENCING			11783	
2	Administrative charges on grand total	23709/100mt	11926		23709
		10%		-	2371
				Total	26079
				Say	26100
1	OUTER FENCING	30173/100mt		0	
2	Administrative charges on grand total		30173		30173
		10%		-	3017
				Total	33190
				Say	33200

I. Inner fencing : 3 stand barbed wire fencing with 1.5 m high, 50X50X8 at 5m distance

II. Outer fencing : Random rubble loose stone wall fencing of size 0.80 m at base, 0.60m at top and 1.20m high.

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प्रधान मुख्य वन संरक्षक
प्रशिक्षण, अनुसंधान, शिक्षा एवं प्रसार
राजस्थान, जयपुर

अमर सिंह सोलंका
(अमर सिंह सोलंका)
उप वन संरक्षक (आयोजना)
नगरस्थान, जयपुर

उप वन संरक्षक
भरतपुर

DWARF/MEDICINAL PLANTATION MODEL UNDER COMPENSATORY AFFORESTATION PROJECT FOR HIGH VOLTAGE TRANSMISSION POWER LINE OF 46 METER WIDTH								
1	UNIT-5 (1.1Km length of Transmission Line)		5	Wage Rate-252 Per day				
2	No. of Plants/Ha.-625 Dwarf Plants & 1375 Medicinal Plants		6	Period- 0 year +11 years				
3	Spacing-4x4 Mt. Dwarf Plants & 2x2 Mt. Medicinal Plants		7	Model Cost per Ha. Rs 530000				
4	Unit for Model Calculation-1 Ha.							
S.N.	Item of Work	BSR Item No.	Qty.	Unit	Rate In Rs.	Labour Rs.	Material Rs.	Total Rs.
Year 0 ADVANCE WORK								
1	Survey, demarcation and layout	2.1.1C10:C20	1	Ha.	125	140.79	0	140.789
2	Dividing area in subplots, their marking on ground & preparation of map		1	Ha.	203	228.34	0	228.338
3	Layout for excavation of pits	2.1.3	2000	Nos.	0.79	1869.30	0	1869.3
4	Digging of pits					0.00		
	(I) 0.45x0.45x0.45 cm. Hard Soil upto 10% boulders	4.1.3	625	Nos.	13.15	9205.69	0	9205.69
	(II) 0.30x0.30x0.30 cm. Hard Soil upto 10% boulders	4.1.3	1375	Nos.	4.20	6473.92	0	6473.92
5	Construction of loose stone check dam in nallahs lead upto 200 m.	3.5.1	50	Cum	255.78	14323.77	0	14323.8
6	Construction of thatched cattle guard hut (one time L.S.)	-	Prorata	-	-	0.00	8025	8025
7	Purchase of tools & plants (one time L.S.)	-	Prorata	-	-	0.00	1070	1070
8	Purchase of water storage tank (one time L.S.)	-	Prorata	-	-	0.00	5350	5350
9	Purchase of sign board and its fixing (one time L.S.)	-	Prorata	-	-	0.00	535	535
10	Miscellaneous & unforeseen exp.	-	-	-	-	0.00	3826.32	3826.32
TOTAL						32241.80	18806.3	51048.1

S.N.		1st Year Operation (Planting year)						
Details of Activities			Qty.	Unit	Rate	Labour	Material	Amount
1	Purchase of medicinal/dwarf plants and transportation upto planting site		2200	Nos.	21.4	0.00	47080	47080
2	Treatment of pit soil with insecticide	8.4.1	2000	Nos.	0.47	1064.79	0	1064.79
3	Local transport and planting of Plants (in bags size 15x22.5) with treatment & initial watering	8.4.3.2.2 + 8.5.1.3 + water charges	2000	Nos.	16.11	36108.17	0	36108.2
4	Making of crescent shaped thanwala, having 45 cm radius, around planted plants in stony hilly areas	8.4.4.3	2000	Nos.	8.12	18196.06	0	18196.1
5	Fertilizer application urea dose 2 time	8.4.4.5	4000 (2000x2)	Nos.	0.47	2129.58	0	2129.58
6	Purchase of fertilizer for plants	-	Prorata	-	-	0.00	2140	2140
7	Weeding and Hoeing of plants in plantations (in 45 cm radius and 15 cm depth) hard and bouldary soils 2 times	8.6.1.2	4000 (2000x2)	Nos.	4.59	20585.92	0	20585.9
8	Watering 3 times except rainy season 30 lit. per plants	8.5.1.3	6000 (2000x3)	Nos.	5.42	36486.76	0	36486.8
9	Purchase of water @ 300/tanker of 3000 lit.	-	30	Tanker	32.1	0.00	9630	9630
10	Hoeing of plants after every watering	8.6.2	6000 (2000x3)	Nos.	2.46	16539.72	0	16539.7
11	Purchase of Insecticide	-	Prorata	-	-	0.00	3210	3210
12	Watch & Ward for 12 month @ 5538/month (one C.G. for 5 ha.)	-	12 month	Month	1169.91	15724.56	0	15724.6
13	Miscellaneous exp.	-	-	-	-	0.00	9030.8	8440
TOTAL						146835.55	71090.8	217336

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2nd Year Operation (1st year Maintenance)								
S.N.	Details of Activities		Qty.	Unit	Rate	Labour	Material	Amount
1	Casualty replacement-20%					0.00	0	
	(a) Cost of Plants	-	440	Nos.	21.40	0.00	9416	9416
	(b) Redigging of pits					0.00	0	
	(i) 0.45x0.45x0.45 Mt.	-	125	Nos.	6.88	964.23	0	964.225
	(ii) 0.30x0.30x0.30 Mt	-	275	Nos.	2.07	637.69	0	509
	(c) Local transport and planting of plants (in bags size 15x22.5) with treatment & initial watering.	8.4.3.2.2 + 8.5.1.3 + water charges	400	Nos.	16.11	7221.63	0	7221.63
	(d) soil treatment	8.4.1	400	Nos.	0.47	212.96	0	212.958
2	Weeding and Hoeing of plants in 2 times	8.6.1.2	4000 (2000x2)	Nos.	4.59	20585.92	0	20585.9
3	Watering of Plants 4 times	8.5.1.3	8000	Nos.	5.42	48649.01	0	48649
4	Hoeing of plants after each watering (4 times)	8.6.2	8000 (2000x4)	Nos.	2.46	22052.96	0	22053
5	Repair of Thanwla	8.4.4.4	2000	Nos.	1.45	3265.35	0	3265.35
6	Cost of water @ 300/tanker of 3000 ltr.	-	40	Tanker	3.21	0.00	12840	12840
7	Watch & ward (1/5) for 12 months @ 1045x12 month	-	12	month	1169.9	15724.56	0	15724.6
	Misc. & unforeseen exp.	-	-	-	-	0.00	4872.78	4872.78
	TOTAL					119314.31	27128.8	146314
3rd Year Operation (IInd year Maintenance)								
S.N.	Details of Activities		Qty.	Unit	Rate	Labour	Material	Amount
1	Watering of plants 3 times	8.5.1.3	6000	Nos.	5.42	32577.46	0	32577.5
2	Hoeing of plants after each watering	8.6.2	6000 (2000x3)	Nos.	2.46	14767.61	0	14767.6
3	Repair of Thanwla once	8.4.4.4	2000	Nos.	1.45	2915.49	0	2915.49
4	Cost of water @ 300/tanker of 3000 ltr.	-	30	Tanker	321	0.00	9630	9630
5	Watch & ward (1/5) for 12 months @ 5538/5 = 1107.6x12	-	12	Month	1169.91	15724.56	0	15724.6
6	Misc. & unforeseen exp.	-	-	LS	-	0.00	4879.2	4879.2
	TOTAL					72016.39	14569.2	80494.3
4th Year Operation (3rd year Maintenance)								
S.N.	Details of Activities		Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	-	0	1562.2	1562.2
	TOTAL					15724.563	1562.2	17286.8
5th Year Operation (4th year Maintenance)								
S.N.	Details of Activities		Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	-	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	-	0	1562.2	1562.2
	TOTAL					15724.563	1562.2	17286.8

6th Year Operation (5th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	TOTAL				15724.563	1562.2	17286.8
7th Year Operation (6th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1169.91	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	TOTAL				15724.563	1562.2	17286.8
8th Year Operation (7th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1169.91	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	TOTAL				15724.563	1562.2	17286.8
9th Year Operation (8th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	TOTAL				15724.563	1562.2	17286.8
10th Year Operation (9th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	TOTAL				15724.563	1562.2	17286.8
11th Year Operation (10th year Maintenance)							
S.N.	Details of Activities	Qty.	Unit	Rate	Labour	Material	Total
1	Watch & ward for 12 months 5538/5 = 1107.6x12	12	Month	1169.9	15724.563	0	15724.6
2	Misc. & unforeseen exp.	-	-	-	0	1562.2	1562.2
	TOTAL				15724.563	1562.2	17286.8

ABSTRACT OF YEARWISE MODEL COST

Year	Labour	Material	Total
0 Year (Advance Work)	32241.80	18806.32	51048.1
Planting Year	146835.55	71090.8	217926
I Year Maintenance	119314.31	27128.78	146443
II Year Maintenance	72016.39	14509.2	86525.6
III Year Maintenance	15724.563	1562.2	17286.8
IV Year Maintenance	15724.563	1562.2	17286.8
V Year Maintenance	15724.563	1562.2	17286.8
VI Year Maintenance	15724.563	1562.2	17286.8
VII Year Maintenance	15724.563	1562.2	17286.8
VIII Year Maintenance	15724.563	1562.2	17286.8
IX Year Maintenance	15724.563	1562.2	17286.8
X Year Maintenance	15724.563	1562.2	17286.8
TOTAL	496204.56	144032.7	640237

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उप वन संरक्षक (प्रशासन)
प्रधान मुख्य वन संरक्षक
परिचय, अनुसंधान, शिक्षा एवं प्रशिक्षण
राजस्थान जलपुर

COPPICE MAINTENANCE AND GAP PLANTING WITHOUT FENCING

Plantation Unit - 6 ha (1000 m X 50 m)

No. of Plants - 200 per ha.

Perimeter-Average = 2100 m

Perimeter/ha = 420 m

Labour rate Rs. 252 per day

Unit for Model calculation- per ha.

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
Year-0 Advance Action							
1	Collection of data for microplanning, preparation of microplan and management plan	Prorata			96.30	55.00	151.30
2	Survey and demarkation control of area, division of area into segments, preparation of treatment map and plantation card	Prorata			420.00	94.00	514.00
3	Raising of 240 plants	Plant	240	8.15	1519.10	600.00	2119.10
4	Singling of Coppice	Plants	520	16.78	978.42	0.00	978.42
5	Purchase of PVC/HDPE Pipes of 3 inch dia and 1 inch dia	Prorata			0.00	2252.00	2252.00
6	Purchase of tools and plants	Prorata			45.30	314.00	359.30
7	Purchase of fertilizers and insecticides	Prorata			0.00	350.00	350.00
8	Purchase of Plantation Board including painting and fixing	Prorata			120.79	284.00	384.79
9	Watch and ward for three months	Prorata			3931.44	0.00	3931.44
10	R & M of Vehicle	Prorata			0.00	100.00	100.00
11	Labour amenities	Prorata			59.15	50.00	109.15
12	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata			61.65	112.00	173.65
Total					7232.16	4191	11423
Year 1 Planting Year							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maintenance of 240 Plants in nursery.	Plant	240	1.80	374.81	98.40	473.21
2	Raising of 48 Plants for casualty replacement.	Plant	48	7.85	377.17	60.00	437.17
3	Transportation of 210 plants from Nursery to plantation site	Plant	220	1.52	371.49	20.00	391.49
4	Singling of Coppice	Plants	520	1.68	978.42	0.00	978.42
5	Planting 200 plants - Planting Activity				0.00		0.00
a	Command area- Includes digging of pits; local transportation, treatment of pit with pesticides and fertiliser, making of Thanwala. And initial watering 100 plants	Plant	100	13.62	1526.20	0.00	1526.20
b	Un-command area- Includes digging of pits; local transportation, treatment of pit with pesticides and fertiliser, making of Thanwala. And initial watering 100 plants	Plant	100	15.21	1538.03	148.00	1696.03
6	Watering of plants 5 times				0.00		0.00
a	100 plants by pump	Plant	100	3.45	1372.39	500.00	1872.39
b	100 plants by Khala/syphon	Plant	100	9.29	1041.13	0.00	1041.13
7	Weeding and Hoeing 200 plants	Plant	200	3.09	693.30	0.00	693.30
8	Hoeing 200 five times	Plant	1000	18.59	2062.25	0.00	2062.25
9	Application of urea and fertilisers	Plant	200	0.60	89.92	30.00	119.92
10	Purchase of PVC pipes	Prorata			0.00	500.00	500.00
11	Maintenance of engine	Prorata			0.00	100.00	100.00
12	Construction of cattle guard hut	Prorata			1189.01	858.00	2047.01
13	Watch and Ward charges	Prorata			3931.44	0.00	3931.44
14	R & M of Vehicles	Prorata			0.00	700.00	700.00
15	Labour amenities	Prorata			236.62	34.00	270.62
16	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata			41.53	59.00	100.53
Total					15843.70	3107	18951.10