

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

UNIT

5.232 Ha

LABOUR RATE

Rs. 213/Day

ADVANCE ACTION (0 YEAR)

S. No.	ITEMS	RATE (Rs.)	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL
1.	Collection of Basis for Micro planning and carrying out joint forest management activities.	544/ha	497	50.29	547
2.	Survey of area, lay out of contour trenches, burrow pits and making of segments/plots.	438/ha	391	50.29	441
3.	Fencing by 7 stand Barbed wire fencing 510 Rmt	137/rmt	13974	55896	69870
4.	Cost of raising 1210 seedling in nursery.	3.71/- per	2872	1730.19	4602
5.	Digging of 500 pits size : 0.45X(.4+.5/2)2	16.66/pit	8330	0	8330
6.	Digging up 400 rmt staggered contour trenches dykes of 45X45 cm cross section on middle slopes and V ditch as per site requirement	26.78rmt	10712	0	10712
7.	Contraction 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.	28.86rmt	433	0	433
8.	Treatment of Nhallas by construction series of check dams of dry random rubble/earthan/brushwood	Prorata	621	0	621
9.	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column	Prorata	680	973.7	1653.7
10.	Construction of approach road and inspection path	Prorata	2350	0	2350
11.	Watch and ward @ 15325 per month for 4 months	Prorata	3664	0	3664
12.	Construction of Thatched cattle guard hut	Prorata	1200	600	1800

13.	Cost of grass and other seeds	Prorata	0	250	250
14.	Labour amenities	Prorata	780	120	900
15.	Purchase of tools and plants	Prorata	0	300	300
16.	Purchase or construction of water storage tank	Prorata	800	480	1280
17.	Purchase of signboards and their fixing	Prorata	300	600	900
18.	Misc. and unforeseen expenses including running of vehicle	Prorata	900	200	1100
	TOTAL YEAR 0		48504	61250.47	109753.7
19.	Administrative charges 10%				10975
	TOTAL				120729

YEAR 1 (PLANTING YEAR)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0	300	300
2.	Layout of staggered /continuous contour trenches V ditches, contour dykes and pits etc. by contour survey in 1/4 th area	67 ha	67	0	67
3.	Digging of 600 pits of size 0.45(4+5/2)*2 cum	16.66/pit	9996	0	9996
4.	Construction of silt detention dams/ small anicut / check dams etc.	Prorata	2671	255.73	2927
5.	Maintenance of 1210 seeding in nursery	2.00/plants	2101	341.33	2442
6.	Restoration of natural regenerations by making crescent shaped mounds on the lower slopes of seeding and sapling and making ring trenches around the natural trees/ shrubs (150 plant/ha)	3.88/ plant	582	0	582
7.	Sowing of pellets of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing	Prorata	832	62.06	894
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	0.56 rmt	196	11.77	208

	(370rmt)				
9.	Sowing of seeds of shrub spp. on 60 mt. "V" ditch.	Prorata	35	3.21	38
10.	Transportation of 1100 plant from nursery to planting site.	1.34/ plant	1410	68.48	1478
11.	Planting of 1100 seeding including Refilling of pits	3.88/ plant	4268	0	4268
12.	Making of 1100 crescent shaped mounds below planted sapling after planting and dibbing 2 or 3 seeds of shrub species on the mound	3.39/plant	3729	0	3729
13.	Spot watering & application of insecticides in 1100 plants in case of advance planting	3.00/ plant	3300	0	3300
14.	Additional watering in case of long drought spell with insecticide	3.00/ plant	3300	0	3300
15.	Weeding and hoeing of 1100 plants in 2 times	3.38/ plant	7436	0	7436
16.	One additional hoeing of 1100 plants	1.93/ plant	2123	0	2123
17.	Wedding and hoeing on staggered / continuous contour trenches and 'V' ditch including singling/ spacemnt in the	Prorata	669	0	669
18.	purchase of insecticide and fertilizers for 1100 plants	0.77/plant	0	906.29	906
19.	Raising o 110 seedlings in nursery for casualty replacement in year 2 (10% of 1100)	3.71/seedling	261	157.29	418
20.	Watch and ward @ 15325 per month for 12 months	Prorata	43968	0	43968
21.	Special protection of frost tender species	Prorata	350	310	660
22.	Labour aminities	Prorata	165	35	189
23.	Repairs of fencing	193/hact	1300	5700	7000
24.	Repairs of check dams	Prorata	71	13	84
25.	Miscellaneous and unforeseen expenditure	Prorata	132	300	482
	TOTAL YEAR 1		88962	8236.92	97464
26.	Administrative charges 10%				9746
	TOTAL				107210

First Year Maintenance

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0	300	300
2.	Maintenance 110 seeding in nursery for casualty replacement on 2 nd year	2.00/plant	191	31.03	222
3.	Casualty replacement 110 plants including of pits transportation planting, watering	10.92/plant	1137	69.55	1207
4.	Sowing /dibbing of seeds of shrub species on the mounds of staggered / continuous contour trenches 'V' ditch and ditch fencing including pretreatment of seeds (185 m.)	0.58/ rmt	102	5.35	107
5.	Weeding and hoeing in 1100 plant in pits two times	3.38/plant	7436	0	7436
6.	Wedding and hoeing on staggered/ continuous contour trenches and 'V' ditch including singling /spacing in the line sowing. (185 rmt)	3.62/plant	670	0	670
7.	Repair of fencing	204/- ha	1300	5700	7000
8.	Repairing of check dams	Prorata	136	11.77	148
9.	Pruning of trees species of boost up the growth	Prorata	207	12.84	220
10.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	Prorata	43968	0	43968
11.	Misc. and unforeseen expenditure	Prorata	300	700	1000
	TOTAL YEAR 2		55447	6603.3	62278
12.	Administrative charges 10%				6228
	TOTAL				68506

SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)

1.	Collection of dates regarding impact and strengthening joint Forest Management	Prorata	0	300	300
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.)	0.58/ rmt	102	5.35	107
3.	Repair of fencing	204/hact.	1300	5700	7000
4.	Repairs of check dams	Prorata	150	15	165
5.	Pruning of trees species of boost up the growth	Prorata	103	4.28	107
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	Prorata	43968	0	43968
7.	Maintenance of vehicles	Prorata	100	300	400
	TOTAL YEAR 3		45723	6324.63	52047
8.	Administrative charges 10%				5205
	TOTAL				57252

	Grand total	
1.	0 year	120729
2.	First year	107210
3.	Second year	68506
4.	Third year	57252
5.	Forth year	57252
6.	Fifth year	57252
7.	Sixth year	57252
8.	Seventh year	57252
9.	Eighth year	57252
10.	Ninth year	57252
11.	Tenth year	57252
12.	Eleventh year	57252
13.	Twelfth year	57252
14.	Total	868965