

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

UNIT : 50 Ha
PERIMETER: 60 M/Ha.
LABOUR RATE Rs 213/Day
COST ESTIMATE: in Rs./Ha.

ADVANCE ACTION (0 YEAR)

No.	ITEMS	RATE (Rs.)	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	544 / ha	497	50.29	547
2	Survey of area, lay out of contour trenches, burrowpits and making of segments / plots	438/ha	391	50.29	441
3	Fencing by stone wall and or by ditch.			0	
	a.) Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	213/rmt	6390	0	6390
	b.) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	232 1/rmt	6963	0	6963
1	Cost of raising 1210 seedlings in nursery.	3.71/- per	2872	1730.19	4602
	Digging of 500 pits size: 0.45x(.4+ .5/2) ²	16.66/ pit	8330	0	8330
	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	26 78/rmt	10712	0	10712
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 innerside	28.86/ rmt.	433	0	433
8	Treatment of Nallas by construction series of Checkdams of dry random rubble/earthan/brushwood	Prorate	621	0	621
9	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column	Prorate	68	97.37	165
10	Construction of approach road and inspection path	Prorate	235	0	235
11	Watch and ward @15325 per month for 4 months	Prorate	1226	0	1226
12	Construction of Thatched cattle guard hut.	Prorate	120	78.11	198
13	Cost of grass and other seeds	Prorate	0	242.89	243
14	Labour aminities	Prorate	78	85.6	164
15	Purchase of tools and plants	Prorate	0	110.21	110
16	Purchase or construction of water storage tank.	Prorate	67	48 15	115
17	Purchase of signboards and their fixing	Prorate	27	92.02	119
18	Misc. and unforeseen expenses including running of vehicles	Prorate	127	162.64	290
	TOTAL YEAR 0		39157	2747.76	41905
19	Administrative charges 10%				4190
	TOTAL				46095

(सुरेश मिश्रा)
उप वन संरक्षक
दुल्ही (राज०)

(Signature)
(Priya Ranjan)
CCO (P) (a)
राज. वन संरक्षण विभाग,
दुल्ही, राज. 227001

उप वन संरक्षक (प्रशासन)
राज. वन संरक्षण विभाग
दुल्ही, राज. जयपुर
फोन नं. 13337

		PLANTING YEAR)		
1	Line items regarding impact assessment and strengthening Joint Forest Management	Prorata	0	0
2	Layout of staggered/continuous contour trenches, V ditches, contour dykes and pits etc by contour survey in 1/4th area	67/ha	67	12.76
	Digging of 600 pits of size 0.45 (4+5/2) * 2 Cum		67	0
	Construction of silt detention dams/small anicut/check dams, etc.	16.66/ pit.	9996	67
	Maintenance of 1210 seedling in nursery	Prorata	2671	0
	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)	2.00 / plant	2101	255.73
	Sowing of pellets of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing.	3.88/plant	382	141.33
	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.)	Prorata	822	0
	Sowing of seeds of shrub spp. on 60 mt. "V" ditch	0.56/rmt.	196	62.06
	Transportation of 1100 plants from nursery to planting site	1.34/plant	35	11.77
	Planting of 1100 seedlings including Refilling of pits	Prorata	1410	3.21
	Making of 1100 crescent shaped mounds below planted sapling after planting and dibbling 2 or 3 seeds of shrub species on the mound.	3.88/plant	4268	68.48
	Spot watering & application of insecticides in 1100 plants in case of advance planting.	3.39/plant	3729	0
	Additional watering in case of long drought spell with insecticide.	3.00/plant	3300	0
	Weeding and hoeing of 1100 plants in 2 times.	3.00/plant	3300	0
	One additional hoeing of 1100 plants.	3.38/plant	7436	0
	Weeding and hoeing on staggered/ continuous contour trenches and 'V' ditch including Singling/spacement in the	1.93/ plant	2123	0
	Purchase of insecticide and Fertilizers for 1100 plants.	Prorata	669	0
	Raising of 110 seedlings in nursery for casualty replacement in year-2 (10% of 1100)	0.77/plant	0	906.29
	Watch and ward @15325 per month for 12 months	3.71/seedling	261	157.29
	Special protection of frost tender species.	prorata	3678	0
	Labour amenities.	Prorata	35	36.38
	Repairs of fencing.	Prorata	165	23.54
	Repairs of check dams.	193/hact	195	9.63
	Miscellaneous and unforeseen expenditure.	Prorata	71	5.35
	TOTAL YEAR 1		47252	2071.52
	Administrative charges 10%			4932
	TOTAL			54256

Joint Forest Management (JFM) Officer (Administration)
 Forest Department
 Government of Rajasthan
 Jaipur-302001
 19337

(सुरेश मिश्रा)
 उप वन संरक्षक
 बून्दी (राज०)


(Priya Ranjan)

First Year Maintenance (year 2)

1	Collection of data regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	72.76	73
2	Maintenance of 110 Seedling in nursery for casualty replacement in 2nd year	2.00 /plant	191	31.03	222
3	Casualty replacement 110 plants including redigging of pits, transportation planting, watering	10.92/plant	1137	69.55	1207
4	Sowing/dibbling of seeds of shurb 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 plants in pits two times	3.38/plant	7436	0	7436
6	Wedding and hoeing on staggered/ continuous contour trenches and "V" ditch including Singling/ spacement in the line sowing. (185 rmt.)	3.62/plant	670	0	670
7	Repair of fencing	204/-ha	195	9.63	205
8	Repairing of Check dams	Prorata	136	11.77	148
9	Pruning of Trees species to boost up the growth	Prorata	207	12.84	220
10	Wages of Chowkidar @ Rs.15325/ month (only applicable to work chage employee)	prorata	3678	0	3678
11	Misc. and unforeseen expenditure	prorata	121	67.41	188
	TOTAL YEAR 2		13873	280	14153
12	Administrative charges 10%				1415
	TOTAL				15569

SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)

1	Collection of data regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	72.76	73
2	Sowing/dibbling of seeds of shurb 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.	195	9.63	205
4	Repairing of Check dams	Prorata	7	6.42	13
5	Pruning of Trees species to boost up the growth	Prorata	103	4.28	107
6	Wages of Chowkidar @ Rs. 15325/- month (only applicable to work chage employee)	prorata	3678	0	3678
7	Maintenance of Vehicles	prorata	95	100.58	196
	TOTAL YEAR 3.		4180	199	4379
	Administrative charges 10%				438
				Total	4817


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	GRAND TOTAL
0Year	
First Year	46095
Second Year	54256
Third Year	15569
Fourth Year	4817
Fifth Year	4817
Sixth Year	4817
Seventh Year	4817
Eighth year	4817
Ninth Year	4817
Tenth Year	4817
Eleventh Year	4817
Twelfth Year	4817
Total	164089
Say	164100

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 (सुरेश मिश्रा)
 उप वन संरक्षक
 बून्दी (राज०)

(Ishir Jain)
 प्र (नियंत्रण) अधिकारी
 संरक्षक (प्रशासन)
 मुख्य वन संरक्षक
 इ. ई. राज. जयपुर
 इ. स. 1922

(Priya Ranjan)
 (प्रिया रंजान)
 मुख्य वन संरक्षक (प्रायोजन)
 राजस्थान जयपुर