

ON ALLOTTED NON FOREST LAND

UNIT :

50 Ha

PERIMETER:

60 M/Ha.

LABOUR RATE:

Rs.201/Day

COST ESTIMATE:

in Rs./Ha.

ADVANCE ACTION (0 YEAR)

S.No	ITEMS	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
			COMPONENT	COMPONENT	
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	516 / ha	469	47	516
2	Survey of area, lay out of contour trenches, burrowpits and making of segments / plots	416/ha	369	47	416
3	Fencing by stone wall and or by ditch.				
	a.) Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	201/rmt	6030	0	6030
	b.) Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	219/rmt	6570	0	6570
4	Cost of raising 1210 seedlings in nursery.	3.57/- per	2703	1617	4320
5	Digging of 500 pits size: 0.45x(.4+ .5/2)2	15.72/ pit	7860	0	7860
6	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	25.27/rmt	10108	0	10108
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	27.20/ rmt.	408	0	408
8	Treatment of Nallas by construction series of Checkdams of dry ramdom rubble/earthan/brushwood	Prorata	586	0	586
9	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column	Prorata	64	91	155
10	Construction of approach road and inspection path	Prorata	221	0	221
11	Watch and ward @13600 per month for 4 months	Prorata	1157	0	1157
12	Construction of Thatched cattle guard hut.	Prorata	113	73	186
13	Cost of grass and other seeds	Prorata	0	227	227
14	Labour aminities	Prorata	73	80	153
15	Purchase of tools and plants	Prorata	0	103	103
16	Purchase or construction of water storage tank.	Prorata	63	45	108
17	Purchase of signboards and their fixing	Prorata	25	86	111
18	Misc. and unforeseen expenses including running of vehicles	Prorata	119	152	271
	TOTAL YEAR 0		36938	2568	39506
19	Administrative charges 10%				3951
	TOTAL				43457

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	assessment and strengthening Joint Forest Management.				
2	Layout of of staggered/continuous contour trenches, V-ditches, contour dykes and pits etc. by contour survey in 1/4th area	63/ha	63	0	63
3	Digging of 600 pits of size 0.45 (4+5/2)*2 Cum	15.72/ pit.	9432	0	9432
4	Construction of silt detention dams/small anicut/check dams, etc.	Prorata	2520	239	2759
5	Maintenance of 1210 seedling in nursery	1.90 / plant	1980	319	2299
6	Restoration of natural regeneration by making crescent shapad mounds on the lower slopes of seedling and sapling and making ring trenches around the natural trees/shrubs. (150 plant/ ha)	3.66/plant	549	0	549
7	Sowing of pellats of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing.	Prorata	785	58	843
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.)	0.53/ rmt.	185	11	196
9	Sowing of seeds of shrub spp. on 60 mt. "V" ditch	Prorata	33	3	36
10	Transportation of 1100 plants from nursery to planting site	1.27/plant	1333	64	1397
11	Planting of 1100 seedlings including Refilling of pits	3.66/plant	4026	0	4026
12	Making of 1100 crescent shaped mounds below planted sapling after planting and dibbling 2 or 3 seeds of shrub species on the mound.	3.20/plant	3520	0	3520
13	Spot watering & application of insecticides in 1100 plants in case of advance planting.	2.83/plant	3113	0	3113
14	Additional watering in case of long drought spell with insecticide.	2.83/plant	3113	0	3113
15	Weeding and hoeing of 1100 plants in 2 times.	3.19/plant	7018	0	7018
16	One additional hoeing of 1100 plants.	1.82/ plant	2002	0	2002
17	Wedding and hoeing on staggered/ continuous contour trenches and 'V' ditch including Singling/spacement in the line sowing.	Prorata	631	0	631
18	Purchase of insecticide and Fertilizers for 1100 plants.	0.77/plant	0	847	847
19	Raising of 110 seedlings in nursery for casualty replacement in year-2 (10% of 1100)	3.57/seedling	246	147	393
20	Watch and ward @13600 per month for 12 months	prorata	3471	0	3471
21	Special protection of frost tender species.	Prorata	33	34	67
22	Labour amenities.	Prorata	155	22	177
23	Repairs of fencing.	193/hact	184	9	193
24	Repairs of check dams	Prorata	67	5	72
25	Micellaneous and unforeseen expenditure	Prorata	124	110	234
	TOTAL YEAR 1		44583	1936	46519
26	Administrative charges 10%				4652
	TOTAL				51171

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2	Maintenance of 110 Seedling in nursery for casualty replacement in 2nd year	1.90 /plant	180	29	209
3	Casualty replacement 110 plants including redigging of pits, transportation planting, watering	10.34/plant	1072	65	1137
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.)	0.54/ rmt.	95	5	100
5	Weeding and Hoeing in 1100 plants in pits two times	3.19/plant	7018	0.00	7018
6	Wedding and hoeing on staggered/ continuous contour trenches and "V" ditch including Singling/ spacement in the line sowing. (185 rmt.)	3.41/plant	631	0.00	631
7	Repair of fencing	193/-ha.	184	9	193
8	Repairing of Check dams	Prorata	128	11	139
9	Pruning of Trees species to boost up the growth	Prorata	195	12	207
10	Wages of Chowkidar @ Rs. 13600/ month (only applicable to work chage employee)	prorata	3471	0	3471
11	Misc. and unforeseen expenditure	prorata	112	63	175
TOTAL YEAR 2			13086	262	13348
12	Administrative charges 10%				1335
TOTAL					14683

SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)

1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	68	68
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.)	0.54/ rmt.	95	5	100
3	Repair of fencing	193/hact.	184	9	193
4	Repairing of Check dams	Prorata	6	6	12
5	Pruning of Trees species to boost up the growth	Prorata	97	4	101
6	Wages of Chowkidar @ Rs. 9720/- month (only applicable to work chage employee)	prorata	3474	0	3474
7	Maintenance of Vehicles	prorata	89	94	183
TOTAL YEAR 3.			3945	186	4131
Administrative charges 10%					413
GRAND TOTAL			Total		4544

0Year	43457
First Year	51171
Second Year	14683
Third Year	4544
Fourth Year	4544
Fifth Year	4544
Sixth Year	4544
Seventh Year	4544
Eighth year	4544
Ninth Year	4544
Tenth Year	4544
Eleventh Year	4544
Twelfth Year	4544
Total	154751
Say	155000

प्रत्यावर्तित वन भूमि 2.0467 है. हेतु आवश्यक राशि

$$2.0467 \times 164100 = 335863/-$$

(डी.पी. जागावत)
उप वन संरक्षक
भीलवाड़ा

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