

**Office of the Dy. Conservator of Forests & Dy. Field Director (pratham) Project
tiger Ranthambhore Sawai Madhopur**

CA Plan

**Proposal Name : Widening, Strengthening and Reconstruction of Sawai Madhopur- Shivpuri Road (SH-30)
online proposal no. FP/RJ/Road?16889/2015**

Total Diverted AREA - 6.86 Hac.

Proposed area for CA - Awand (Sawai Madhopur)

S.No.	ITEMS	UNIT	QU.	RATE	AMOUNT
ADVANCE ACTION (0 YEAR)					
1	Collection of basic datas for Microplanning and carrying out joint forest management activities.	Ha.	6.86	516	3539.76
2	Survey of area, lay out of contour trenches, burrowpits and making of segments /plots	Ha.	6.86	416	2853.76
3	Fencing by stone wall and or by ditch				
	a) Stone wall fencing 1.20m high 0.80 m at base & 0.60 at top (on an average 30m/ha.)	Rmt			
	b) Ditch fencing 1.20 m deep, 1.50m wide at top & 0.90 m at bottom (on an average 30m/ha.)	Rmt	411.6	219	90140.4
4	Cost of raising 1210 seedlings in nursery.	Rmt	830.6	3.57	29633.142
5	Digging of 500 pits size 0.45x(4+5/2)2	Rmt	3430	15.72	53919.6
6	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle stopes and V-ditch as per site requirement.	Rmt	2744	25.27	69340.88
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	Rmt	102.9	27.2	2798.88
8	Treatement of Nallas by construction series of Chekdams of dry ramdom rubble/earthan/bruchwood	Ha.	6.86	586	4019.96
9	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square columm	Ha.	6.86	155	1063.3
10	Construction of approach road and inspection path	Ha.	6.86	221	1516.06
11	Watch and ward @ 13600 per month for 4 months	Ha.	6.86	1157	7937.02
12	Construction of Thatched cattle guard hut	Ha.	6.86	186	1275.96
13	Cost of grass and other plants	Ha.	6.86	227	1557.22
14	Labour aminties	Ha.	6.86	153	1049.58
15	Purchase of tools and plants	Ha.	6.86	103	706.58

16	Purchase of construction of water storage tank	Ha.	6.86	108	740.88
17	Purchase of signboards and their fixing	Ha.	6.86	111	761.46
18	Misc, and unforeseen expenses including running of vehicles	Ha.	6.86	271	1859.06
	Total			4500.76	274713.502
					27471.3502
19	Administrative charges				302184.8522
	Total				

YEAR I (PLANTING YEAR)

1	Collection of data regarding impact assessment and strengthening Joint Forest Management	Ha.	6.86	68	466.48
2	Layout of staggered /continuous contour trenches, V- ditches, contour dykes and pits etc. by contour survey in 1/4th area	Ha.	6.86	63	432.18
3	Digging of 600 pits of size 0.45 (4+5/2)*2 Cum	No.	4116	15.72	64703.52
4	Construction of silt detention dams/small anicut/ check dams, etc.	Ha.	6.86	2759	18926.74
5	Maintenance of 1210 seeding in nursery	No.	8300.6	190	15771.14
6	Restoration of natural regeneration by making crescent shaped mounds of the lower slopes seeding and sapling and making ring trenches around the natural trees/ shrubs (150 plant /ha)	Ha.	6.86	549	3766.14
7	Sowing of pellets of grass /pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing.	Ha.	6.86	843	5782.98
8	Sowing /dibbing of seeds of shrub species of the mounds of staggered /continuous contour trenches "V" ditch and ditch fencing including pretreatment of seeds (370rmt)	Ha.	6.86	196.1	13452.46
9	Sowing of seeds of shrub spp. On 60 mt. "V" ditch	Ha.	6.86	36	236.96
10	Transportation of 1100 plants from nursery to planting site	No.	7546	1.27	9583.42
11	Planting of 1100 seeds including Refilling of pits	No.	7546	3.66	27618.36
12	Making of 1100 crescent shaped mounds below planted sapling after planting and dibbing 2 or 3 seeds of shrub species on the mound.	No.	7546	3.2	24147.2
13	Spot watering & application of insecticides in 1100 plants in case of advance planting	No.	7546	2.83	21355.18
14	Additional watering in case of long drought spell with insecticide	No.	7546	2.83	21355.18

15	Weeding and hoeing of 1100 plants in 2 times	No.	15092	3.19	48143.48
16	One additional hoeing of 1100 plants	No.	7546	1.82	14035.56
17	Wedding and hoeing on staggered/ contiionus contour trenches and "V" ditch including Singling / spacemnent in the line sowing	Ha.	6.86	631	4328.66
18	Purchase of insecticide and Fertilizers for 1100 plants	No.	7546	0.77	5810.42
19	Raising of 110 seedilings in nursery for casually replacement of year -2 (10% of 1100)	No.	7546	3.57	26939.22
20	Watch and ward @ 13600 per month for 12 months	No.	7546	3471	23811.06
21	Special protection of forest tender species	Ha.	6.86	67	459.62
22	Labour aminties	Ha.	6.86	177	1214.22
23	Rapairs of fencing	Ha.	6.86	193	1323.98
24	Rapairs of check dams	Ha.	6.86	72	493.92
25	Misc, and unforeseen expenditure	Ha.	6.86	234	1605.24
	Total			9587.96	355763.32
26	Administrative charges 10%				35576.332
	Total				391339.652

First Year Maintenance (Year 2)

1	Collection of datas regarding impact assesmment and strengthening Joint Forest Management	Ha.	6.86	68	466.48
2	Maintenance of 110 Seeding in nursery for casually replacement in 2nd year	No.	7546	1.9	14337.4
3	Casualty replacement 110 platns including redigging of pits, transportation planting watering	No.	7546	10.34	78025.64
4	Sowing /dibbing of seeds of shurb species of the mounds of staggered /contiounus contour trenches "V" ditch and ditch fencing including pretreatment of seeds (185rmt)	No.	1269.1	0.54	685.314
5	Weeding and hoeing of 1100 plants in pits 2 times	No.	15092	3.19	48143.48
6	Wedding and hoeing on staggered/ contiionus contour trenches and "V" ditch including Singling / spacemnent in the line sowing (185rmt)	No.	1269.1	3.41	4327.631
7	Repair of fencing	Ha.	6.86	193	1323.98
8	Repairing of Check dams	Ha.	6.86	139	953.54
9	Pruning of Trees species to boost up the growth	Ha.	6.86	207	1420.02

10	Wages of Chowkidar @ 13600/ month (only applicable to work chage employee)	Ha.	6.86	3471	23811.06
11	Misc. and unforeseen expenditure	Ha.	6.86	175	1200.5
	Total			4272.38	174695.045
12	Administrative charges 10%				17469.5045
	Total				192164.5495

SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)

1	Collection of datas regarding impact assesmment and strengthening Joint Forest Management	Ha.	6.86	68	466.48
2	Sowing /dibbing of seeds of shurb species of the mounds of staggered /contiounus contour trenches "V" ditch and ditch fencing including pretreatment of seeds (185rmt)	No.	1269.1	0.54	685.314
3	Repair of fencing	Ha.	6.86	193	1323.98
4	Repairing of Check dams	Ha.	6.86	12	82.32
5	Pruning of Trees species to boost up the growth	Ha.	6.86	101	692.86
6	Wages of Chowkidar @ 9720/ month (only applicable to work chage employee)	Ha.	6.86	3474	23831.64
7	Maintanence of Vehicles	Ha.	6.86	89	610.54
	Total 3			3937.54	27693.134
	Administrative charges 10%				2769.3134
	Grand Total				30462.4474
	0 Year				302184.852
	First Year				391339.652
	Second Year				192164.55
	Third Year				30462.4474
	Fourth Year				30462.4474
	FifthYear				30462.4474
	Sixth Year				30462.4474
	Seventh Year				30462.4474
	Eighth Year				30462.4474
	Ninth Year				30462.4474
	Tenth Year				30462.4474
	Eleventh Year				30462.4474
	Twelfth Year				30462.4474
	Total				1190313.528
	Say				

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Dy. Conservator of Forests
and Dy. Field Director (First)
Project Tiger, Sawai Madhopur