

कार्यालय उप वन संरक्षक, झालावाड़

Full Title of the Project : Extension of Kolana air strip at Jhalawar
File No. : FP/RJ/Others/21735/2016
Date of Proposal : 07.10.2016

"SCHEME FOR COMPENSATORY AFFORESTATION

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 120.4062 hect. Of forest area to be diverted for the construction of Extension of Kolana air strip in Forest Division Jhalawar of Jhalawar District.

1. Details of degraded forest land/non-forest land :-
 - District :- Jhalawar
 - Name of Forest division/ Range :- Jhalawar/ dag
 - Block/Compartment/survey No. - NA
 - Area to be afforestation :- 120.4062 ha.
2. Description of the area
 - i. Whether the site selected for compensatory Afforestation is a land bank or not :- Not
 - ii. If the CA site is other than the land bank reasons be given :- No land bank exists at jhalawar
 - iii. In case of non- forest area identified for CA then what is the distance of CA site from the adjoining forest boundary. :- 0 km
 - iv. Soil type :- Moram soil
 - v. Topography:
 - (a) Hilly/Undulating/Plain :- Undulating
 - (b) Slope: Steep/Medium/Gentle :- Medium and gentle
 - vi whether the area is bearing any root of vegetation :- Yes, it consists of grass root vegetation with few no. of ronj.
3. Plantation modules
 - Copy of the approved Compensatory Afforestation Scheme/Model showing component :- Enclosed Copy of Approved model rate
4. Schedule of plantation Program

S No.	Year	Area in Ha.	Model Rate	Amount
1	0 (Advance work)	120.4062	43457	5232492
2	1 Year (planting year)	120.4062	51171	6161306
3	2 Year (maintenance I st)	120.4062	14683	1767924
4	3 Year (maintenance II nd)	120.4062	4544	547125.8
5	4 Year (maintenance III rd)	120.4062	4544	547125.8
6	5 Year (maintenance IV th)	120.4062	4544	547125.8
7	6 Year (maintenance V th)	120.4062	4544	547125.8
8	7 Year (maintenance VI th)	120.4062	4544	547125.8
9	8 Year (maintenance VII th)	120.4062	4544	547125.8
10	9 Year (maintenance VIII th)	120.4062	4544	547125.8
11	10 Year (maintenance IX th)	120.4062	4544	547125.8
12	11 Year (maintenance X th)	120.4062	4544	547125.8
13	12 Year (maintenance XI th)	120.4062	4544	547125.8
	Total		154751	18632980

Technical Details :-

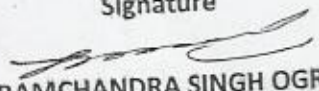
Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) General Details :- 1100 plants par hect. proposed for plantation with soil moisture conservation works treatment.
- (b) Spacing : 3 mts X 3 mts
- (c) Species :- Ronj, Ber, Kher, Aanwla, Neem, Arjun, Churel etc.
- (d) Plantation method :- By manual pit digging and manual labor
- (e) Soil and Moisture conservation works :- 400 Rmt. par hect. contour trenches and nallah treatment.
- (f) Protection (fencing, watch man, People's Participation etc.) :- Ditch fencing and watchman.
- (g) Proposal Monitoring mechanism :- By Field staff, DFO and evaluation Team of CCF and PCCF.
- (h) Any other information :- As per site condition minor violation may be from approved model rate.

Place: Jhalawar

Date: 18/8/2017

Signature


RAMCHANDRA SINGH OGARA
DY. CONSERVATOR FOREST
JHALAWAR

ON ALLOTTED NON FOREST LAND

UNIT :

PERIMETER :

LABOUR RATE :

COST ESTIMATE :

50 Ha

60 MHa

Rs.201/Day

in Rs./Ha

ADVANCE ACTION (0 YEAR)

S.No	ITEMS	RATE (Rs.)	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL
1	Collection of Basic Dates for Microplanning and carrying out joint forest management 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: $0.45 \times (4 + 5/2) \times 2$	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 random rubble/earth/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 amenities	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

मुख्य वन संरक्षक
(वन) राज्यपाल
नैपथ्य सचिव प्राकृतिक संसाधन विभाग

YEAR I (PLANTING YEAR)

1	Cost of data regarding impact assessment and strengthening Joint Forest Management.	Prorata	0	68	68
2	Cost 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 shaped 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 pellets 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 mt.)	0.53/ mt	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/spot 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	Weeding 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/mact	184	9	193
24	Repairs of check dams	Prorata	67	5	72
25	Miscellaneous and unforeseen expenditure	Prorata	124	110	234
TOTAL YEAR 1			44583	1936	46519
26	Administrative charges 10%				4652
TOTAL					51171

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	Collection of data regarding impact assessment and strengthening Joint Forest Management	180	25	205
	Planting of 110 Seedling in nursery	190 /plant		
	Annual replacement in 2nd year	1072	65	1137
	Annual replacement 110 plants including digging of pits, transportation planting, watering	10.34/plant		
	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	Weeding and hoeing on staggered/continuous contour trenches and "V" ditch including Singling/ spacing 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 data regarding impact assessment 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/rmt	184	9 193
4	Repairing of Check dams	Prorata	5	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
	Total			4544

GRAND TOTAL		43457
Year		51171
First Year		14683
Second Year		4544
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		154751
Total	Say	155000

समस्त वन संपदा
संरक्षण, राजस्थान, जयपुर
सदस्य सचिव जोडल सन्तुभादन सचिव