

**ESTIMATE FOR COMPENSATORY AFFORESTATION ON DEGRADED FOREST  
LAND 13.2 Ha.**

Based on Labour Rate Rs. 213 per day

**ADVANCE ACTION ( 0 YEAR )**

S.N.	ITEMS	UNIT	QUANTITY	RATE	AMOUNT
1	Survey of the area by chain and compass, demarcation, layout and line cutting and making kachhi muddis	Ha.	13.2	190.97	2521
2	Dividing the area into subplots of approx 2 to 2.5 ha and their semipermanent demarcation by fixing stones and writing with paint	Ha.	13.2	183.83	2427
3	Fencing by Stone Wall and/or by Ditch and/or by RCC Post Barbed Wire etc	Rmt.	1500	225.00	337500
4	Raising seedling in Nursery 770 per Ha.	No.	10164	3.78	38420
5	Digging of Pits of size (0.50+0.40)/2 m X (0.50+0.40)/2 m X 0.45 m including alignment and layout; 300 pits per Ha.	No.	3960	16.66	65968
6	Digging up 300 rmt. Staggered Contour Trenches 45 Cm x 45 Cm cross section on middle slopes and V-Ditches of size ( 0+0.30)/2 m X 1.20 m as per site requirement	Rmt.	3960	26.78	106043
7	Construction SMC Structures and sowing of suitable thorny shrub species seeds	Prorata			20000
8	Treatment of Nallas by Construction series of Checkdams by Dry Random Rubble/Earthen/ Brushwood	Prorata			8220
9	Cost of collection and purchase of grass and other seeds of trees and shrubs	Prorata			2500
10	Construction of Thatched cattle guard hut	Prorata			9000
11	Purchase or construction of water storage tank	Prorata			5000
12	Watch and ward	Month	4	5538	22152
13	Construction and Fixing of Gate & Signboard	Prorata			13000
14	Labour amenities and purchase of Tools and Plants	Prorata			5000
15	Misc. and unforeseen expenditures including POL for vehicles	Prorata			5250
	<b>Total</b>				<b>643000</b>
					64300
16	Administrative charges 10%				<b>707300</b>
	<b>G. Total</b>				

**PLANTING YEAR ( YEAR 1 )**

1	Maintenance of Seedling in Nursery	No.	10164	2.01	20465
2	Transportation of Plants from Nursery to Planting Site	No.	10164	1.35	13721
3	Digging of Pits of size (0.50+0.40)/2 m X (0.50+0.40)/2 m X 0.45 m including alignment and layout; 400 pits per Ha.	No.	5280	16.66	87965
4	In situ soil and moisture conservation measures like Nadies, Earthenbunds etc.	Prorata			35124
5	Planting of seedling ( including local transportation of plants upto pits, insecticide treatment )	No.	9240	4.67	43151
6	Making of crescent shaped thanvala, having 45 cm radius and 15 cms height above ground level	No.	9240	2.90	26796
7	Watering of plants using bucket, pipa, earthen pots/ matka ( 15 Liters of water made available ). 2 times	No.	18480	3.86	71333



8	Procurement of water including transportation upto site ( 15 Liters of water per plant every time ). 2 Times	No.	18480	4.67	86302
9	Weeding and Hoeing of plants ( in 45 cm radius and 15 cm depth ) including repair of thanvala				
	(I) Weeding, 2 times	No.	18480	1.46	26981
	(II) Hoeing, 4 times	No.	36960	2.33	86117
10	Weeding - Hoeing on Trenches/ V- Ditches (Keeping an interval of one meter in surviving plants )	No.	3960	2.48	9821
11	Application of insecticides/fertilizers to plants. 2 times	No.	18480	0.43	7946
12	Restoration of natural regeneration by making crescent shaped thanvala of seedling and sapling	No.	1980	2.90	5742
	Seed Sowing in Notches				0
13	(I) Sowing of seeds after making notches by dibbling in loamy / sandy soil	No.	5000	0.35	1750
	(I) Sowing of seeds after making notches of 15 cm depth in Hard Soil	No.	5000	1.46	7300
14	Making balls of grass seeds, Farm yard manure, sand, and clay in the ratio of 1:1:2:2 ( including beating and screening of FYM and clay, cleaning of grass seeds )	1 kg material	52.8	6.33	334
15	Sowing balls of grass seed in the area by dibbling method	1 kg material	52.8	32.29	1705
16	Seed Sowing on Ditch, Doli of Trenches or V-ditches or others in three rows at an interval of 20 cms.	Rmt.	11880	0.18	2138
17	Raising of seedling in nursery for casualty replacement in year 2	No.	924	3.88	3585
18	Making furrows by ploughing between the rows of pits	Ha.	13.2	700	9240
19	Watch & Ward	Month	12	5538	66456
20	Purchasing of insecticides and fertilizers for plants	L.S.			7115
21	Construction of approach road/Inspection path	Prorata			4500
22	Labour amenities and hut repair				4500
23	Miscellaneous and unforeseen expenditures etc. .	L.S.			5008
	<b>Total</b>				<b>635094</b>
					63509
24	Administrative charges 10%				<b>698604</b>
	<b>G. Total</b>				

#### FIRST YEAR MAINTENANCE ( YEAR 2 )

1	Re-Digging of Pits of size (0.50+0.40)/2 m X (0.50+0.40)/2 m X 0.45 m for casualty replacement	No.	924	8.33	7697
2	Maintenance of Seedling in Nursery	No.	924	2.01	1857
3	Transportation of Plants from Nursery to Planting Site for casualty replacement	No.	924	1.27	1173
4	Planting of seedling ( including local transportation of plants upto pits, insecticide treatment ) & Watering	No.	924	4.67	4315
5	Making of crescent shaped thanvala, having 45 cm radius and 15 cms height above ground level	No.	924	2.90	2680
6	Watering of plants using bucket, pipa, earthen pots/ matka (15 Liters of water made available). 2 times	No.	18480	3.86	71333
7	Procurement of water including transportation upto site (15 Liters of water per plant every time). 2 times	No.	18480	4.67	86302
8	Weeding and Hoeing of plants ( in 45 cm radius and 15 cm depth ) including repair of thanvala				0
	(I) Weeding, 2 times	No.	18480	1.46	26981
	(II) Hoeing, 4 times	No.	36960	2.33	86117

9	Watch & Ward	Month	12	5538	66456
10	Repair of fencing				2600
11	Miscellaneous and unforeseen expenditures etc. .	L.S.			5000
	<b>Total</b>				<b>362510</b>
12	Administrative charges 10%				36251
	<b>G. Total</b>				<b>398761</b>

**SUBSEQUENT MAINTENANCE ( YEAR 3 to 12 )**

1	Collection of data regarding impact assesment and strengthening JFM	Prorata			898
2	Watch & Ward	Month	12	5538	66456
3	Miscellaneous and unforeseen expenditures including repairing of fencing/structures, pruning etc. .	Prorata			5000
	<b>Total</b>				<b>72354</b>
6	Administrative charges 10%				7235
	<b>G. Total</b>				<b>79589</b>

**NB:** - The rate has been taken from the CADFL model (for 50 ha); the estimated cost for the proposed site has been reduced proportionately except fencing and watch and Ward which cannot be reduced as per area; looking into the harsh condition of desert, 2 watering provision for planting year and 1<sup>st</sup> maintenance year has been kept in the estimate; these above changes are as per requirement of the site.

<b>GRAND TOTAL</b>	
0 Year	707300
First Year	698604
Second Year	398761
Third Year	79589
Fourth Year	79589
Fifth Year	79589
Sixth Year	79589
Seventh Year	79589
Eighth Year	79589
Ninth Year	79589
Tenth Year	79589
Eleventh Year	79589
Twelfth Year	79589
<b>TOTAL</b>	<b>2600560</b>

  
 (विक्रम केशरी प्रधान)  
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 बाड़मेर