

Estimated cost of per ha of model of Degraded forest area

1) Diverted Forest Area =0.6926 ha			Daily Wage Rate @ 411/-	
2) Comp. Aff. Scheme area = 1.3852 ha			Plants/Ha : 1000	
3) Name of Site of Plantation : Bindrahan C-4				
4) No. of plants Planted =1385 plants				
5. Name of species to be planted : Bamboo,Amla,Khair,Mango and Fruit trees				
Name of Work	Unit	Unit cost W.R 411	Qty.	Amount wage rate 411/-
Nursery				
Nursery cost of raising plants (10% beating up of failure, 10% wastage in Nursery and 5% transportation wastage) *	No	16.75	1250	20939
Soil Work				
1 Site Clearance				
I Jungle Clearance	Ha	6722.79	0.50	3361
II Kana Stubbing	Ha	33625.68	0.25	8406
2 Alignment and Dag bailing	Ha	1233.00	1	1233
3 Earthwork (500 X 0.50 X 0.50 X 0.40) 50% Hard Soil	cmt	127.14	50	6357
(500*0.5*0.5*0.4m) 50% Medium Soil	cmt	97.16	50	4858
Sub Total				24216
Sub Total Nursery and Soil Work				45155
Plantation				
Loading & Unloading of Plants	No	0.52	1100	567
Carriage of Plants (avg. distance upto 10 Km)	No	2.47	1100	2715
i Refilling of pits 1000 x 0.50 x 0.50 x 0.30	m3	33.61	75	2521
ii Planting	No	4.45	1000	4453
Application of Insecticide (2 Times)	No	0.50	2000	1009
Spot Irrigation	No	3.70	1000	3702
Maintenance				
Re Kana Stubbing (2nd time)	ha	10275.00	0.25	2569
Re Jungle Clearance (2nd time)	ha	2976.81	0.5	1488
Replacement of 10% failures	No	17.60	100	1760
Weeding & Hoeing (Twice)	No	4.45	2000	8907
Application of Fertilizers (twice)	No	0.50	2000	1009
Spot Irrigation (8 times)	No	3.70	8000	29618
Watch & Ward for every 10 Ha of plantation	Man/ Year	10686.00		10686
Covering (25% plants)	No	3.70	250	926
Uncovering	No	0.41	250	102
Sub Total Plantation				
i)Material and Supply 3% of Plantation Cost				72030
ii) POL and Machinery 2% of plantation cost				2161
iii) Other Charges 5% of Plantation Cost				1441
Sub Total				3602
Total Cost of Creation Year				7203
Maintenance 1 Year				124388
Nursery				
Nursery cost of raising plants 25% (including 10% wastage in Nursery and 5% transportation wastage)	1 No	16.75	287	4808
Planting				
Re Kana Stubbing (2nd time)	ha	10275.00	0.25	2569
Re Jungle Clearance (2nd time)	ha	2976.81	0.5	1488
Reopening of Pits 250 x 0.50 x 0.50 x 0.40	1 m3	74.73	25	1868
Refilling of pits 250 x 0.50 x 0.50 x 0.30	1 m3	33.62	18.75	630
Loading/Unloading of plants	No	0.50	262	132
Carriage of plants (avg. distance of 10 km)	No	2.47	262	647
I Planting	No	4.45	250	1113
II Carriage from site to site	No	0.16	250	40
Spot Irrigation (Once)	No	3.70	250	926
Maintenance				
Application of fertilizer (Twice)	No	0.50	2000	1009
Spot Irrigation (6 times)	No	3.70	6000	22213
Weeding & Hoeing (Twice)	No	4.45	2000	8907
Watch & Ward	Man/ Year	10686.00	10/12	10686


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Singling and Pruning to plants 50%	No	3.77	500	1883
Sub Total				54112
i) Material and Supply 3% of Plantation Cost				1623
ii) POL and Machinery 2% of plantation cost				1082
iii) Other Charges 5% of Plantation Cost				2706
Total Cost of 1st Year Mtc. Without Nursery				59523
Total Cost of First year Maintenance including nursery				64331
Maintenance 2nd year				
Nursery				
Nursery cost of raising plants 15% (including 10% wastage in Nursery and 5% transportation wastage)	No	16.75	173	2898
Planting				
ReJungle Clearance	Ha	2976.81	0.5	1488
Loading/Unloading of plants	No.	0.50	157	79
Carriage of plants				
(avg. distance of 10 km)	No	2.47	157	387
Re opening of pits 150 x 0.50 x 0.50 x 0.40	Cmt	74.68	15	1120
Refilling of pits 150 x 0.50 x 0.50 x 0.30	1 m3	33.62	11.25	378
I Planting	No	4.45	150	668
II Carriage from site to site	No	0.16	150	24
Spot Irrigation (Once)	No.	3.70	150	555
Singling and Pruning to plants 50%	No.	3.77	500	1883
Maintenance				
Weeding & hoeing (once)	No.	4.45	1000	4453
Spot Irrigation (6 times)	No.	3.70	900	3332
Watch & Ward	Man/ Year	10686.00	10/12.	10686
Sub Total				25056
ii) POL and Machinery 2% of plantation cost				501
iii) Other Charges 5% of Plantation Cost				1253
Total Cost of 2nd Year Mtc. Without nursery				26810
Total Cost of 2nd year maintenance including nursery				29708
3rd Year Maintenance				
Nursery				
Nursery cost of raising plants 10% (including 10% wastage in Nursery and 5% transportation wastage)	No.	16.75	115	1926
Planting				
ReJungle Clearance	ha	2976.81	0.5	1488
Re opening of pits 100 x 0.50 x 0.50 x 0.40	Cmt	74.68	10	747
Refilling of pits 100 x 0.50 x 0.50 x 0.30	1 m3	33.62	7.5	252
Loading/Unloading of plants	No.	0.50	105	53
Carriage of plants				
(avg. distance of 10 km)	No.	2.47	105	259
I. Planting	No.	4.45	100	445
II Carriage from site to site	No.	0.16	100	16
Spot Irrigation (Once)	No.	3.70	100	370
Maintenance				
One man per 10 hac. for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	No.	10686.00	10/12.	10686
Total Cost of 3rd Year Mtc. Without nursery				14317
Total Cost of 3rd year maintenance including nursery				16243
4th Year Maintenance				
One man for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	Man/ Year	10686.00	10/12.	10686
5th Year Maintenance				
One man per 20 hac. for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	Man/ Year	10686.00	10/12.	10686
6th Year Maintenance				
One man per 20 hac. for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	Man/ Year	10686.00	10/12.	10686
7th Year Maintenance				
One man per 20 hac. for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	Man/ Year	10686.00	10/12.	10686
8th Year Maintenance				


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One man per 20 hac. for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	Man/ Year	10686.00	10/12.	10686
9th Year Maintenance				
One man per 20 hac. for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	Man/ Year	10686.00	10/12.	10686
10th Year Maintenance				
One man per 20 hac. for tending operations like singling and pruning, weeding, hand watering etc. as per site requirements and simultaneous protection works.	Man/ Year	10686.00	10/12.	10686
Total Cost Up To 10Th Year Mtc.				309472
Comp. Aff. Scheme for 1.00 Ha.				309472
Scheme Details				
A. Compensatory. Afforestation Scheme	Rs	1.3852	309472.00	428680.61
B. Entry Point Activities including livelihood generation (Strengthening of JFMC's, Trainings , Solar Lights etc) 10% of CA	Rs			42868.06
C. Administrative Charges 5 %	Rs			21434.03
			Total	492982.71


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