

1	Cost of raising plants for 50% replacement	1 No.	24.16	50	1207.92
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.30	1 m3	33.22	3.75 m3	82.50
3	Refilling of pits with earth in other soils 50 x 0.50 x 0.50 x 0.30	1 m3	18.12	3.75 m3	45.00
4	Loading & Unloading of Plants	1 No.	0.38	50	18.87
5	Carriage of Plants (100+10% Wastage=110 avg. distance upto 10 km.)	100 No	182.70	110	200.97
6	Spreading of plants pit to pit	100 No	10.57	50	5.28
7	Re-planting to plants	100 No	330.67	50	165.33
8	Spot Irrigation	100 No.	274.80	50	137.40
9	Weeding & Hoeing (thrice)	100 No	330.67	3000	9920.05
10	Hand Watering (3 times)	100 No	274.80	3000	8244.06
11	Rejungle Clearance (2 times)	Per Ha.	2210.50	0.50	1105.25
12	Stubbing of Kana	Per Ha.	9485.20	0.20	1897.04
13	Pruning to plants 30%	100 No.	277.82	300	833.47
14	Watch & Ward for every 10 Ha.	Man year	79300.00	1/10 Man yr.	7930.00
15	Repair of Barbed wire	L/s			6794.55
16	POL & Machinery	L/s			15099.01
17	Material and supply	L/s			10569.31
				Sub Total	64256.01
Maintenance VII Year					
1	Re Jungle Clearance two times	Per Ha.	2210.50	0.50	1105.25
2	Re-Kana Stubbing	Per Ha.	9485.20	0.20	1897.04
3	Watch and Ward every 10 ha.		87565.20	1/10 Man yr.	8756.52
				Sub Total	11758.81
Maintenance VIII Year					
1	Re Jungle Clearance two times	Per Ha.	2210.50	0.50	1105.25
2	Re-Kana Stubbing	Per Ha.	9485.20	0.20	1897.04
3	Watch and Ward every 10 ha.		87565.20	1/10 Man yr.	8756.52
				Sub Total	11758.81
Maintenance IX Year					
1	Watch and Ward every 10 ha.	Per Ha.	87565.20	1/10 Man yr.	8756.52
				Sub Total	8756.52
Maintenance X Year					
1	Watch and Ward every 10 ha.	Per Ha.	87565.20	1/10 Man yr.	8756.52
				Sub Total	8756.52
				TOTAL	675420.14
	Over Head expenses 5%				33771.01
				G.Total	709191.15

Summary of Costs

a) Cost of Plantation:

- (i) Cost of plantation in 1 Hect. Area (1000 Plants)+
(ii) Cost of plantation for 0.969 ha. Area
supervision charges 10%

Rs	709191.15
Rs	687207
Rs	68721
TOTAL	755928

b) Net present value as fixed by Govt. for open area diverted @ Rs 6.26 lac per ha.

Rs	242638
G.TOTAL	998566

Silvicultural operations can be changed as per site requirement after recording proper reasons by Divisional Forest Officer. Changes in operation will be done by remaining within the financial limits of cost model proposed.

S.K. Sagar, IFS
Divisional Forest Officer,
Amritsar Forest Division,
Amritsar.