

ersion of 0.0072 ha. of Forest Land for construction of AGI Palace at Village Pholriwal, Jalandhar City to Partapura 66
et road, Tehsil and Distt. Jalandhar

Compensatory Afforestation will be done at Jandiala Drain 05.00 Ha.

Diversion : 0.0072

Current Wage Rate : 368.85

Plantation Model For Standard Plantation under Compensatory Afforestation
Plants Per Hectare : 1000 Nos.

Sr. No.	Name of Work	Unit	Qty.	Unit Cost (in Rs.)	Amount
	Nursery				
	Nursery cost of raising plants	1100	1100	22.49	24739.00
A	Soil Work				
1	Site / Jungle Clearance (25%)	Ha.	0.5	6035.66	3017.83
2	Alignment & Dagbaling	Ha.	1	1106.55	1106.55
3	Earth Works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m	1 M3	100	114.00	11400.00
4	Preparation of Boundary Watt (1 w x 0.50 m x 168 m)	1 M3	84	114.00	9576.00
5	Kana Stubbing 25%	Ha.	0.25	30178.22	7544.56
B	Plantation Work				
1	Refilling of Pits 1000x0.5mx0.5mx0.3	100 cum	75	3089.11	2316.83
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No.	1100	618.49	6803.39
3	Carriage of Plants (1000+10% wastage =1100 avg. distance upto 10 km.)	100 No.	1100	221.31	2434.41
4	i) Carriage from site to site	100 No.	1000	147.54	1475.40
	ii) Planting of Plants (1000 No. including 10% replacement)	100 No.	1000	1106.55	11065.50
5	Spot Irrigation (1000 Plants)	100 No.	1000	230.53	2305.30
6	Application of Insecticide (2 Times)	100 No.	1000	46.10	461.00
7	Application of Fertilizers (2 Times)	100 No.	1000	46.10	461.00
8	Weeding & Hoeing 3 Times	100 No.	3000	402.04	12061.20
9	Hand Watering (12 Times)	100 No.	12000	230.53	27663.60
10	Replanting of Plants 10%	100 No.	100	651.23	651.23
11	Rejungle Clearance (2 Times)	100 No.	1	2674.16	26.74
12	Covering (25% plants) of plants	100 No.	250	331.96	829.90
13	Uncovering of plants	100 No.	250	36.88	92.20
14	Restubbing of Kana (1 Time)		0.25	30178.56	7544.64
15	Laying out & fixing of Barbed Wire	L/s			8852.40
16	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1 Man 7 Month	9590.10	6713.07
17	Material				
	i) Insecticides / Fertilizers	L/s			5622.71
	ii) POL	L/s			5622.71
	iii) Barbed Wire	L/s			5622.71
	Sub Total				166009.88

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Maintenance 1 Year					
1	Cost of raising plants for 30% replacement	1 No.	300	22.49	6747.00
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 M3	22.5	67.05	1508.63
3	Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30	1 M3	22.5	30.89	695.03
4	Loading & Unloading of Plants	1 No.	300	2.76	828.00
5	Carriage of Plants (300+10% Wastage = 330 avg. distance upto 10 Km.)	100 No.	300	220.63	661.89
6	Spreading of plants pit to pit	100 No.	165	147.54	243.44
7	Re-Planting to plants	100 No.	165	370.06	610.60
8	Spot Irrigation	100 No.	165	230.53	380.37
9	Weeding & Hoeing (Three)	100 No.	1500	402.04	6030.60
10	Application of Insecticide (2 Times)	100 No.	1000	46.10	461.00
11	Application of Fertilizers (2 Times)	100 No.	1000	46.10	461.00
12	Hand Watering (6 Times)	100 No.	6000	402.04	24122.40
13	Rejungle Clearance (2 Times)	Per.Ha	1	2674.16	2674.16
14	Restubbing of Kana	Per.Ha	0.25	30178.22	7544.56
15	Watch & Ward for every 10 Ha. (10 Months)	Man Year	1/10 Man Yr.	9590.10	9590.10
16	Repair of Barbed Wire	L/s			5622.71
17	POL & Machinery	L/s			5622.71
18	Material and Supply	L/s			5622.71
Sub Total					79426.90
2nd Year Maintenance					
1	Cost of raising plants for 15% replacement	1 No.	150	22.49	3373.50
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 M3	21.6	67.05	1448.28
3	Refilling of pits with earth in other soils 150x 0.60 x 0.60 x 0.40	1 M3	21.6	30.89	667.22
4	Loading & Unloading of Plants	1 No.	75	2.76	207.00
5	Carriage of Plants Wastage = 75 avg. distance upto 10 Km.)	100 No.	75	220.64	165.48
6	Spreading of plants pit to pit	100 No.	75	147.54	110.66
7	Re-Planting to plants	100 No.	75	257.62	193.22
8	Spot Irrigation	100 No.	75	230.53	172.90
9	Weeding & Hoeing (Twice)	100 No.	1500	402.04	6030.60
10	Hand Watering (5 Times)	100 No.	5000	230.53	11526.50
11	Rejungle Clearance (2 Times)	100 No.	1	2674.16	2674.16
12	Pruning to Plants	100 No.	100	435.88	435.88
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	9590.10	9590.10
14	Repair of Barbed Wire	L/s			5622.71
15	POL & Machinery	L/s			5622.71
18	Material and Supply	L/s			5622.71
Sub Total					53463.62

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3rd Year Maintenance					
1	Cost of raising plants for 10% replacement	1 No.	100	22.49	2249.00
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.40	1 M3	10	6705.64	67056.40
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 M3	7.5	30.89	231.68
4	Loading & Unloading of Plants	1 No.	100	2.76	276.00
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	50	1.12	56.00
6	Spreading of plants pit to pit	100 No.	100	147.54	147.54
7	Re-Planting to plants	100 No.	100	257.62	257.62
8	Spot Irrigation	100 No.	100	230.53	230.53
9	Weeding & Hoeing (thrice)	100 No.	3000	402.04	12061.20
10	Hand Watering (8 Times)	100 No.	8000	230.53	18442.40
11	Rejungle Clearance (2 Times)	Per.Ha	1	2674.16	2674.16
12	Pruning to Plants 20%	100 No.	200	435.88	871.76
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	9590.10	9590.10
14	Repair of Barbed Wire	L/s			5622.71
15	POL & Machinery	L/s			5622.71
18	Material and Supply	L/s			5622.71
Sub Total					131012.52
4th Year Maintenance					
1	Cost of raising plants for 5% replacement	1 No.	50	22.49	1124.50
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 M3	5	6705.64	33528.20
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 M3	7.5	30.89	231.68
4	Loading & Unloading of Plants	1 No.	50	2.76	138.00
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	50	1.12	56.00
6	Spreading of plants pit to pit	100 No.	50	147.54	73.77
7	Re-Planting to plants	100 No.	50	257.62	128.81
8	Spot Irrigation	100 No.	50	230.53	115.27
9	Weeding & Hoeing (thrice)	100 No.	3000	402.04	12061.20
10	Hand Watering (8 Times)	100 No.	8000	230.53	18442.40
11	Rejungle Clearance (2 Times)	Per.Ha	1	2674.16	2674.16
12	Pruning to Plants 30%	100 No.	300	435.88	1307.64
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	9590.10	9590.10
14	Repair of Barbed Wire	L/s			5622.71
15	POL & Machinery	L/s			5622.71
18	Material and Supply	L/s			5622.71
Sub Total					96339.85
5th Year Maintenance					

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1	Watch & Ward for every 10 Ha. (12 Months)	Man Year	1/12 Man Yr.	9590.10	11508.12
	Sub Total				11508.12
	6th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man Year	1/12 Man Yr.	9590.10	11508.12
	Sub Total				11508.12
	7th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man Year	1/12 Man Yr.	9590.10	11508.12
	Sub Total				11508.12
	8th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man Year	1/12 Man Yr.	9590.10	11508.12
	Sub Total				11508.12
	9th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man Year	1/12 Man Yr.	9590.10	11508.12
	Sub Total				11508.12
	10th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man Year	1/12 Man Yr.	9590.10	11508.12
	Sub Total				11508.12
	Total				595301.49
	Over Head expenses 5%				29765.07
	Wage Enhancement @ 10%				59530.15
	G. Total				684596.71
	Or Say				684597.00

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Divisional Forest Officer,
Jalandhar Forest Division,
Jalandhar. 35
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Cost of CA (Compensatory Afforestation) Per Ha. for 10 Years
@684597 Per Ha = 100 trees / 1000 = 0.10 x 684597 = 68459.7 or say 68460/-

Cost of PCA (Penal Compensatory Afforestation) Per Ha. for 10 Years
@684597 Per Ha. = 0.0072 Ha. x 2 = 0.0144 x 684597 = 9858.1968
2 Times Penal CA amount = 9859

Rate of N.P.V. 626000
Net Present Value Per Ha. @ Rs. 626000 X 0.0072 = 4507.2
Or Say = 4507

	Penal N.P.V.
Rate of N.P.V.	626000
Violation Area	0.0072
Violation time period (year)	1
12% of N.P.V.	75120
N.P.V. + 12% of N.P.V.	701120
Amount of Penal N.P.V.	5048.064
or Say	5049

(a) **General Details:-** The area in which compensatory afforestation is to be done falls along the

Jandiala Drain 05.00 Ha. Area to be afforested 0.010 Ha. Non Forest land of falls near this forest strip

area of the strip is plain and growing stock already existing is less & needed to be afforestation.

(b) **Spacement:- 3x3mt**

(c) **Species:-** Shisham, Neem, Drek, Tun, Kikar, Sirs, Cessia Fistula

(d) **Plantation Method:- Trench & Pits.**

(e) **Soil and Moisture Conservation Works:- NA**

(f) **Protection (Fencing, Watch & Ward, People's Participation etc.):-** Fencing, Watch & Ward, People's Participation etc.

(g) **Proposal Monitoring Mechanism:-** Segment of plantation to be made done by Forester, Range Officer, D.D.F.O. / D.F.O.

(h) **Any other information:-**

Divisional Forest Officer,
Divisional Forest Officer,
Jalandhar Forest Division,
Jalandhar at Phillaur
@ BS