

Ludhiana Forest Division

Wage Rate : 270

Plants Per Hectare : 1000 Nos.

Advance Work and Plantation

Sr. No.	Name of Work	Unit	Qty.	Unit Cost (in Rs.)	Amount
	Nursery				
	Nursery cost of raising plants	1100	1100	13.37	22846.16
	Soil Work				
1	Site / Jungle Clearance (25%)	Ha.	0.25	2842.244554	1104.11
2	Alignment & Dagbaling	Ha.	1	521.2871287	810.00
3	Earth works				
	a) Digging of Pits 800 x 0.5 m x 0.5 m x 0.4 m	1M3	80	53.69257426	6673.80
	b) Preparation of Ridges 500 x 0.8 x 0.50 m in (base 100 cm. top 60 cm)	1M3	200 m3	53.69257426	16686.00
4	Kana Stubbing 20%	Ha.	0.2	14216.19505	4417.95
1	a) Refilling of Pits	100 No.	900	72.05792079	1007.66
	b) Digging of slots 200 x 0.3 x 0.3 x 0.2 m	m3	3.6	31.58465347	176.68
2	Loading & Unloading of Plants (100+10% Wastage=1100)	100 No.	1100	21.1990099	362.24
3	Carriage of Plants (100+10% wastage =1100 avg. distance upto 10 km.)	100 No.	1100	103.8163366	1774.50
4	i) Carriage from site to site	100 No.	1000	6.362376238	98.92
	ii) Planting of Plants (1000 No. including 10% replacement)	100 No.	1000	188.5856436	2930.39
5	Spot Irrigation (1000 Plants)	100 No.	1000	156.8272277	2436.81
6	Application of Insecticide (2 Times)	100 No.	2000	21.1990099	658.59
7	Application of Fertilizers (2 Times)	100 No.	2000	21.1990099	658.59
8	Weeding & Hoeing 3 Times	100 No.	3000	188.5856436	8791.16
9	Hand Watering (12 Times)	100 No.	12000	156.8272277	29241.75
10	Replanting of Plants 10%	100 No.	100	476.710396	740.73
11	Rejungle Clearance (2 Times)	Per Ha.	0.5	1259.763861	978.73
12	Covering (25% plants) of plants	100 No.	250	156.8272277	609.20
13	Uncovering of plants	100 No.	250	16.93514851	65.69
14	Restubbing of Kana (1 Time)		00-Jan	5402.95396	1259.30
15	Laying out & fixing of Barbed Wire	L/s			6480.00
16	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1 Man Month	3162.475248	4914.00
17	Material				
	i) Insecticides / Fertilizers	L/s			3115.38
	ii) POL	L/s			9346.15
	iii) Barbed Wire	L/s			38423.08
	Sub Total				166607.60
	Maintenance 1 Year				
1	Cost of raising plants for 30% replacement	1 No.	300	13.36633663	6230.77
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	22.5 m3	19.11386139	632.28
3	Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30	1 m3	22.5 m3	9.543564356	315.90
4	Loading & Unloading of Plants	1 No.	300	0.213861386	98.40
5	Carriage of Plants (300+10% Wastage = 330 avg. distance upto 10 Km.)	100 No.	330	103.8163366	532.32
6	Spreading of plants pit to pit	100 No.	300	6.362376238	29.70

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Diversion of 0.0800 Ha. Of Forest Land for access road to Retail outlet of Indian Oil Corporation Limited on Chandigarh-Ludhiana Road (NH-95) Km. 56-57 L/s. at village Katani Kalan, Tehsil Distt Ludhiana.

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7	Re-Planting to plants	100 No.	300	188.5856436	879.16
8	Spot Irrigation	100 No.	300	156.8272277	731.08
9	Weeding & Hoeing (Three)	100 No.	3000	188.5856436	8791.16
10	Application of Insecticide (2 Times)	100 No.	2000	21.1990099	658.59
11	Application of Fertilizers (2 Times)	100 No.	2000	4285403.72	658.59
12	Hand Watering (8 Times)	100 No.	8000	156.8272277	19494.50
13	Rejungle Clearance (2 Times)	Per Ha.	0.5	1259.763861	9.78
14	Restubbing of Kana	Per Ha.	0.15	5403.568812	1259.45
15	Watch & Ward for every 10 Ha. (10 Months)	Man Year	1/10 Man Yr.	45178.21782	7020.00
16	Repair of Barbed Wire	L/s			3946.15
17	POL & Machinery	L/s			9346.15
18	Material and Supply	L/s			6438.46
	Sub Total				67072.44
	2nd Year Maintenance				
1	Cost of raising plants for 20% replacement	1 No.	200	13.36633663	4153.85
2	Reopening of Pits 200 x 0.50 x 0.50 x 0.30	1 m3	15 m3	19.11386139	445.50
3	Refilling of pits with earth in other soils 200 x 0.50 x 0.50 x 0.30	1 m3	15 m3	9.543564356	222.23
4	Loading & Unloading of Plants	1 No.	200	0.213861386	65.61
5	Carriage of Plants (200+10% Wastage = 220 avg. distance upto 10 Km.)	100 No.	220	103.8163366	354.95
6	Spreading of plants pit to pit	100 No.	200	6.362376238	19.73
7	Re-Planting to plants	100 No.	200	188.5856436	586.11
8	Spot Irrigation	100 No.	200	156.8272277	487.45
9	Weeding & Hoeing (Twice)	100 No.	3000	188.5856436	8791.16
10	Hand Watering (5 Times)	100 No.	5000	156.8272277	12184.06
11	Rejungle Clearance (2 Times)	Per Ha.	0.6	1259.763861	1174.48
12	Pruning to Plants	100 No.	300	157.8831683	735.96
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	49887.19158	7751.08
14	Repair of Barbed Wire	L/s			3946.15
15	POL & Machinery	L/s			9346.15
18	Material and Supply	L/s			6438.46
	Sub Total				56702.93
	3rd Year Maintenance				
1	Cost of raising plants for 10% replacement	1 No.	100	13.36633663	2076.92
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.30	1 m3	7.5 m3	19.11386139	222.75
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	7.5 m3	9.543564356	111.22
4	Loading & Unloading of Plants	1 No.	100	0.213861386	32.79
5	Carriage of Plants (100+10% Wastage = 110 avg. distance upto 10 Km.)	100 No.	110	103.8163366	177.45
6	Spreading of plants pit to pit	100 No.	100	6.362376238	9.89
7	Re-Planting to plants	100 No.	100	188.5856436	293.03
8	Spot Irrigation	100 No.	100	156.8272277	243.69
9	Weeding & Hoeing (Twice)	100 No.	3000	188.5856436	8791.16
10	Hand Watering (3 Times)	100 No.	3000	156.8272277	7310.44
11	Rejungle Clearance (2 Times)	Per Ha.	0.4	1259.763861	783.00
12	Pruning to Plants 50%	100 No.	50	157.8831683	122.66
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	45178.21782	7020.00
14	Repair of Barbed Wire	L/s			3946.15
15	POL & Machinery	L/s			9346.15
18	Material and Supply	L/s			6438.46

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		Sub Total				46925.77
		4th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	49887.19158	7732.38	
		Sub Total				7732.38
		5th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	49887.19158	7732.38	
		Sub Total				7732.38
		6th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	49887.19158	7732.38	
		Sub Total				7732.38
		7th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	49887.19158	7732.38	
		Sub Total				7732.38
		8th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	49887.19158	7732.38	
		Sub Total				7732.38
		9th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	49887.19158	7732.38	
		Sub Total				7732.38
		10th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	49887.19158	7732.38	
		Sub Total				7732.38
		Total				391435.43
		Over Head expenses 5%				19571.77
		G. Total				411007.20
		Or Say				411007

Cost of Compensatory Afforestation per Ha. For 10 Years

@ Rs.411007 Per Ha. = Rs.411007 x 0.2=82201.4 or Says82201/-

Net Present Value Per Ha. @ Rs 626000 x 0.0800=50080 or says50080/-

Grand Total = Rs. =132281/-

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