

Diversion of 1.85 (instead of 1.96) ha forest land for laying water surface, Drinking Water Supply Scheme (40 Village) in take point at Parowal, (Total Length of Forest Effect Liner 19600 Meter), Tehsil & District Gurdaspur. Proposal No(FP/PB/WATER/43199/2019).

ESTIMATE FOR PLANTING OF TALL PLANTS

Name of Scheme:- Compensatory Afforestation

1) Diverted Forest Area = 1.85 Ha.
2) Comp. Aff. Tall plants Schme area = 1.12Ha.
3) Name of Site of Plantation = Ajnala Distributory RD 4-10B/s
4) No. of plants Planted = 560 Plants

Wage Rate:

328

Advance Work and Plantation					
	Name of Work	Unit	Unit Cost (In Rs.)	Qty	Total Amt
	Nursery				
	Cost of tall plants	1	60.00	550	33000.00
	Soil Works				
1	Site /Jungle Clearance (50%)	Ha.	5367.22	0.50	2683.61
2	Alignment & Dagbailing	Ha.	984.00	1	984.00
3	Earth Work- (a) Digging of Pits 500x 0.6m x0.6mx0.5m	1M ³	101.38	90	9124.20
4	Kana Stubbing 20%	Ha.	26836.30	0.25	6709.08
	Planting				
1	Refilling of Pits	100 M ³	2747.00	72	1977.84
2	Loading & Unloading of Plants (500+10% Wastage=550)	100 No	246.00	550	1353.00
3	Carriage of Plants (500+10% Wastage=550 avg. distance upto 10 km.) 500 trolly	Km	196.80	1	196.80
4	i) Carriage from site to site	100 No	131.20	550	721.60
	ii) Planting of Plants (500 No Including 10% replacement)	100 No	984.00	550	5412.00
5	Spot Irrigation (500 Plants)	100 No	205.00	500	1025.00
6	Application of Insecticide (2 times)	100 No	41.00	1000	410.00
7	Application of Fertilizers (2 times)	100 No	41.00	1000	410.00
8	Weeding & Hoeing 3 times	100 No	357.52	1500	5362.80
9	Hand Water 6 month x 2 times (12 times)	100 No	205.00	6000	12300.00
10	Replanting of Plants 10%	100 No	579.11	50	289.56
11	Rejungle Clearance (2 times)	Per Ha.	2378.00	1.00	2378.00
12	Covering (25% plants) of plants	100 No	295.20	125	369.00
13	Uncovering of plants	100 No	32.80	125	41.00
14	Restubbing of Kana (1 time)		26836.30	0.25	6709.08
15	Laying out & fixing of Barbed Wire	L/s			4200.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	5528	1Man 7 Month	5969.60
17	Material				
	i) Insecticides/Fertilizers				5000
	ii) POL				5000
				Sub Total	111626.16

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Maintenance I Year					
1	Cost of raising plants for 30% replacement	1 No.	60.00	150	9000.00
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 m3	59.63	21.6	1288.01
3	Refilling of pits with earth in other soils 150 x 0.60 x 0.60 x 0.40	1 m3	27.47	21.6	593.35
4	Loading & Unloading of Plants	1 No.	2.46	150	369.00
5	Carriage of Plants (150+10% Wastage=330 avg. distance upto 10 km.)	500 NO	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	165	216.48
7	Re-planting to plants	100 No	329.08	165	542.98
8	Spot Irrigation	100 No.	205.00	165	338.25
9	Weeding & Hoeing (thrice)	100 No	357.52	1500	5362.80
10	App. Of Fertilizer (two times)	100 No	41.00	1000	410.00
11	App. Of Insecticide (two times)	100 No	41.00	1000	410.00
12	Hand Water 6 month x 2 times (12 times)	100 No	357.52	6000	21451.20
13	Rejungle Clearance (2 times)	Per Ha.	2378.00	1.00	2378.00
14	Restubbing of Kana	Per Ha.	26836.00	0.25	6709.00
15	Watch & Ward for every 10 Ha. (10 months)	Man year	8528.00	1/10 Man yr.	8528.00
16	POL & Machinery	L/s			5000.00
17	Material and supply	L/s			5000.00
				Sub Total	67793.27
Maintenance II Year					
1	Cost of raising plants for 15% replacement	No.	60.00	75	4500.00
2	Reopening of Pits 75 x 0.60 x 0.60 x 0.40	1 m3	59.63	10.8	644.00
3	Refilling of pits with earth in other soils 75 x 0.60 x 0.60 x 0.40	1 m3	27.47	10.8	296.68
4	Loading & Unloading of Plants	1 No.	2.46	75	184.50
5	Carriage of Plants (75+10% Wastage=75 avg. distance upto 10 km.)	100 No	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	75	98.40
7	Re-planting to tall plants	100 No	229.08	75	171.81
8	Spot Irrigation	100 No.	205.00	75	153.75
9	Weeding & Hoeing (twice)	100 No	357.52	1500	5362.80
10	Hand Watering 10 Times	100 No	205.00	5000	10250.00
11	Rejungle Clearance (2 times)	Per Ha.	2378.00	1.00	2378.00
12	Stubbing of Kana	Per Ha.	26836.00	0.10	2683.60
13	Pruning to plants	100 No.	387.61	100	387.61
14	Watch & Ward for every 10 Ha.	Man year	8528.00	1/10 Man yr.	8528.00
15	POL & Machinery	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	45835.35
Maintenance III Year					
1	Cost of raising plants for 10% replacement	1 No.	60.00	50	3000.00

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2	Reopening of Pits 50 x 0.60 x 0.60 x 0.40	1 m3	5963.00	7.2	429.34
3	Refilling of pits with earth in other soils 50 x 0.60 x 0.60 x 0.40	1 m3	27.47	7.2	197.78
4	Loading & Unloading of Plants	1 No.	2.46	50	123.00
5	Carriage of Plants (50+10% Wastage=50 avg. distance upto 10 km.)	100 No	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	50	65.60
7	Re-planting to plants	100 No	229.08	50	114.54
8	Spot Irrigation	100 No.	205.00	50	102.50
9	Weeding & Hoeing (three)	100 No	357.52	1500	5362.80
10	Hand Watering (8 times)	100 No	205.00	4000	8200.00
11	Rejungle Clearance (2 times)	Per Ha.	2378.00	1.00	2378.00
12	Stubbing of Kana	Per Ha.	26836.00	0.10	2683.60
13	Pruning to plants 20%	100 No.	387.61	100	387.61
14	Watch & Ward for every 10 Ha.	Man year	8528.00	1/10 Man yr.	8528.00
15	POL & Machinery	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	41768.97
Maintenance IV Year					
1	Cost of raising plants for 5% replacement	1 No.	60.00	25	1500.00
2	Reopening of Pits 25 x 0.60 x 0.60 x 0.40	1 m3	59.63	3.6	214.67
3	Refilling of pits with earth in other soils 25 x 0.60 x 0.60 x 0.40	1 m3	27.47	3.6	98.89
4	Loading & Unloading of Plants	1 No.	2.46	25	61.50
5	Carriage of Plants (25+10% Wastage=25 avg. distance upto 10 km.)	100 No	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	25	32.80
7	Re-planting to plants	100 No	229.08	25	57.27
8	Spot Irrigation	100 No.	205.00	25	51.25
9	Weeding & Hoeing (twice)	100 No	357.52	1500	5362.80
10	Rejungle Clearance (2 times)	Per Ha.	2378.00	1.00	2378.00
11	Pruning to plants 30%	100 No.	387.61	300	1162.83
12	Watch & Ward for every 10 Ha.	Man year	8528.00	1/10 Man yr.	8528.00
13	POL & Machinery	L/s			5000
14	Material and supply	L/s			5000
				Sub Total	29644.21
				TOTAL	296667.96
	Over Head expenses 5%				14833.40
	Enhancement due to wage escalation @9%				26700.12
				G.Total	338201.48
Note The watch and ward in subsequent years will carry out the necessary operations of Pruning Cost per plant (in Rs) 676 @ 328 Wage Rate but now wage the rate 365.05 so cost per plant is @ 760 Rs. Per Plant					
	Total No. of effected plants 280*2 = 560Plants	L/s	560	760	425600
	Grand Total				425600/-

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