

Diversion 0.0455 ha of forest land in Favour of Punjab State Transmission Corporation Ltd for Connecting 220 KV S/C Line on D/C Towers Ludhiana to Doraha with S/C on S/C Dhandari kalan to Lalton kalan line under Forest Division under Forest Division & Distt. Ludhiana.
 Proposal No. : FP/PB/TRANS/116838/2020
 Date of Proposal: 23.12.2020
 Email Address: verma.193@gmail.com

Rate= 353

Estimate for planting of Tall plants

	Name of Work	Unit	Unit Cost (In Rs.)	Qty	Total Amt
	Nursery				
	Cost of Tall plants	1 No	64.56	550	35508.00
	Soil Works				
1	Site /Jungle Clearance (50%)	Ha.	5776.3	0.5	2888.15
2	Alignment & Dagbailing	Ha.	1059	1	1059.00
3	Earth Work- Digging of Pits 500x 0.6m x0.6m x0.5m Heavy Soil	1M ³	109.1	90	9819.00
4	Kana Stubbing 25%	Ha.	28881.7	0.25	7220.43
	Planting				
1	Refilling of Pits	100 cum	2956.38	72	2128.59
2	Loading & Unloading of Plants (500+10% Wastage=550)	100 No	264.75	550	1456.13
3	Carriage of Plants (500+10% Wastage=550 avg. distance upto 10 km.)500 Trolly	100 No	211.8	1	211.80
4	i) Carriage from site to site	100 No	141.2	550	776.60
	ii) Planting of Plants (500 No Including 10% replacement)	100 No	1059	550	5824.50
5	Spot Irrigation (500 Plants)	100 No	220.62	500	1103.10
6	Application of Insecticide (2 times)	100 No	44.12	1000	441.20
7	Application of Fertilizers (2 times)	100 No	44.12	1000	441.20
8	Weeding & Hoeing 3 times	100 No	384.77	1500	5771.55
9	Hand Water 6 months x 2 times =12 times	100 No	220.62	6000	13237.20
10	Replanting of Plants 10%	100 No	623.24	50	311.62
11	Rejungle Clearance (2 times)	Per Ha.	2559.25	1	2559.25
12	Covering (25% plants) of plants	100 No	317.7	125	397.13
13	Uncovering of plants	100 No	35.3	125	44.13
14	Restubbing of Kana (1 time)	Ha.	28881.7	0.25	7220.43


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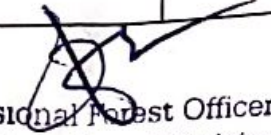
15	Laying out & fixing of Barbed Wire	L/s			4200.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	9178	1 Man 7 Month	9178.00
17	Material				
	i) Insecticides/Fertilizers	L/s			5000.00
	ii) POL	L/s			5000.00
				Sub Total	121796.99

Maintenance I Year

1	Cost of plants for 30% replacement	1 No.	64.56	150	9684.00
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 m3	64.16	21.6	1385.86
3	Refilling of pits with earth in other soils 150 x 0.60 x 0.60 x 0.40	1 m3	29.6	21.6	639.36
4	Loading & Unloading of Plants	1 No.	2.64	150	396.00
5	Carriage of Plants (150+10% Wastage=330 avg. distance upto 10 km.)	500 No	211.15	1	211.15
6	Spreading of plants pit to pit	100 No	141.20	165	232.98
7	Re-planting Tall Plants	100 No	353	165	582.45
8	Spot Irrigation	100 No.	220.62	165	364.02
9	Weeding & Hoeing (thrice)	100 No	384.77	1500	5771.55
10	App. Of Fertilizer (two times)	100 No	44.12	1000	441.20
11	App. Of Insecticide (two times)	100 No	44.12	1000	441.20
12	Hand watering 6 months x 2 times = 12 times	100 No	384.77	6000	23086.20
13	Rejungle Clearance (2 times)	Ha.	2559.25	1	2559.25
14	Restubbing of Kana	Ha.	28881.2	0.25	7220.30
15	Watch & Ward for every 10 Ha. (10 months)	Man year	9178	1/10 Man yr.	9178.00
16	POL	L/s			5000.00
17	Material and supply	L/s			5000.00
				Sub Total	72193.52

Maintenance II Year

1	Cost of plants for 15% replacement	No.	64.54	75	4840.50
2	Reopening of Pits 75 x 0.60 x 0.60 x 0.40	1 m3	64.16	10.8	692.93
3	Refilling of pits with earth in other soils 75 x 0.60 x 0.60 x 0.40	1 m3	29.55	10.8	319.14
4	Loading & Unloading of Plants	1 No.	2.64	75	198.00


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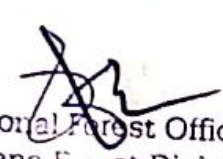
5	Carriage of Plants = 75 avg. distance upto 10 km.)	500 No	211.15	1	211.15
6	Spreading of plants pit to pit	100 No	141.2	75	105.90
7	Re-planting to tall plants	100 No	353.43	75	265.07
8	Spot Irrigation	100 No.	220.62	75	165.47
9	Weeding & Hoeing (twice)	100 No	220.62	1500	3309.30
10	Hand Watering 10 Times	100 No	220.62	5000	11031.00
11	Rejungle Clearance (2 times)	Ha.	2559.25	1	2559.25
12	Stubbing of Kana	Ha.	27654	0.1	2765.40
13	Pruning to plants	100 No.	28881.2	100	28881.20
14	Watch & Ward for every 10 Ha.	Man year	9178	1/10 Man yr.	9178.00
15	POL	L/s			5000.00
16	Material and supply	L/s			4800.00
Sub Total					74322.31

Maintenance III Year

1	Cost of plants for 10% replacement	1 No.	64.56	50	3228.00
2	Reopening of Pits 50 x 0.60 x 0.60 x 0.40	1 m3	64.16	7.2	4.62
3	Refilling of pits with earth in other soils 50 x 0.60 x 0.60 x 0.40	1 m3	29.55	7.2	212.76
4	Loading & Unloading of Plants	1 No.	2.64	50	132.00
5	Carriage of Plants 50 avg. distance upto 10 km.)	500 No	211.15	1	211.15
6	Spreading of plants pit to pit	100 No	141.2	50	70.60
7	Re-planting to plants	100 No	340.46	50	170.23
8	Spot Irrigation	100 No.	220.62	50	110.31
9	Weeding & Hoeing (thrice)	100 No	384.77	1500	5771.55
10	Hand Watering (8 times)	100 No	220.62	4000	8824.80
11	Rejungle Clearance (2 times)	Ha.	2559.25	1	2559.25
12	Stubbing of Kana	Ha.	28881.2	0.1	2888.12
13	Pruning to plants 20%	100 No.	417.14	100	417.14
14	Watch & Ward for every 10 Ha.	Man year	9178	1/10 Man yr.	9178.00
15	POL	L/s			5000.00
16	Material and supply	L/s			4760.00
Sub Total					43538.53

Maintenance IV Year

1	Cost of plants for 5% replacement	1 No.	64.56	25	1614.00
2	Reopening of Pits 25 x 0.60 x 0.60 x 0.40	1 m3	64.16	3.6	230.98

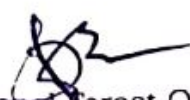

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3	Refilling of pits with earth in other soils 25 x 0.60 x 0.60 x 0.40	1 m3	29.55	3.6	106.38
4	Loading & Unloading of Plants	1 No.	2.64	25	66.00
5	Carriage of Plants = 25 avg. distance upto 10 km.)	500 No	211.15	1	211.15
6	Spreading of plants pit to pit	100 No	141.2	25	35.30
7	Re-planting to plants	100 No	353	25	88.25
8	Spot Irrigation	100 No.	220.62	25	55.16
9	Weeding & Hoeing (twice)	100 No	384.77	1500	5771.55
10	Rejungle Clearance (2 times)	Ha.	2559.25	1	2559.25
11	Pruning to plants 30%	100 No.	417.14	300	1251.42
12	Watch & Ward for every 10 Ha.	Man year	9178	1/10 Man yr.	9178.00
15	POL	L/s			5000.00
16	Material and supply	L/s			4760.00
				Sub Total	30927.43
				TOTAL	342778.77
	Over Head expenses 5%				17138.94
	Enhancement due to wage escalation @9%				30850.09
				G.Total	390767.80
				Or Say	390768

Total Cost per plant (in Rs)

782 (16X 782=12512)

Total=12512/-


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