

Full Title of the Projects:- Diversion of 0.0232 ha of forest land permission for approach road to M/S Vallabh Steel West Pvt Ltd Vill: Baproun on G.T road (NH-1) Km 215-216 L/S Tehsil: Rajpura Distt: Patiala under forest division Patiala, Punjab.

Patiala Forest Division

Wage
Rate : 328

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	16.24	27753.85
	Soil Work				
1	Site / Jungle Clearance (25%)	Ha.	0.25	3452.50	1341.29
2	Alignment & Dagbaling	Ha.	1	633.26	984.00
3	Earth works				
	a) Digging of Pits 800 x 0.5 m x 0.5 m x 0.4 m	1M3	80	65.22340741	8106.46
	b) Preparation of Ridges 500 x 0.8 x 0.50 m in (base 100 cm. top 60 cm)	1M3	200 m3	65.22340741	20270.40
4	Kana Stubbing 20%	Ha.	0.2	17269.80741	5366.99
1	a) Refilling of Pits	100 No.	900	87.52740741	1224.12
	b) Digging of slots 200 x 0.3 x 0.3 x 0.2 m	m3	3.6	38.36385185	214.63
2	Loading & Unloading of Plants (100+10% Wastage=1100)	100 No.	1100	25.74192593	440.05
3	Carriage of Plants (100+10% wastage =1100 avg. distance upto 10 km.)	100 No.	1100	126.1099259	2155.69
4	i) Carriage from site to site	100 No.	1000	7.726222222	120.17
	ii) Planting of Plants (1000 No. including 10% replacement)	100 No.	1000	229.0897778	3559.88
5	Spot Irrigation (1000 Plants)	100 No.	1000	190.5072593	2960.27
6	Application of Insecticide (2 Times)	100 No.	2000	25.74192593	800.06
7	Application of Fertilizers (2 Times)	100 No.	2000	25.74192593	800.06
8	Weeding & Hoeing 3 Times	100 No.	3000	229.0897778	10679.63
9	Hand Watering (12 Times)	100 No.	12000	190.5072593	35523.31
10	Replanting of Plants 10%	100 No.	100	579.1143704	899.85
11	Rejungle Clearance (2 Times)	Per Ha.	0.5	1530.375111	1188.98
12	Covering (25% plants) of plants	100 No.	250	190.5072593	740.07
13	Uncovering of plants	100 No.	250	20.56681481	79.80
14	Restubbing of Kana (1 Time)		0-Jan	6563.583704	1529.82
15	Laying out & fixing of Barbed Wire	L/s			7872.00
16	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1 Man 7 Month	3841.815407	5969.60
17	Material				
	i) Insecticides / Fertilizers	L/s			3784.61
	ii) POL	L/s			11353.84
	iii) Barbed Wire	L/s			46676.93
	Sub Total				202396.37
	Maintenance 1 Year				
1	Cost of raising plants for 30% replacement	1 No.	300	16.22992593	7569.23
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	22.5 m3	23.21511111	768.10
3	Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30	1 m3	22.5 m3	11.58933333	383.76
4	Loading & Unloading of Plants	1 No.	300	0.255111111	119.54
5	Carriage of Plants (300+10% Wastage = 330 avg. distance upto 10 Km.)	100 No.	330	126.1099259	646.67

39

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6	Spreading of plants pit to pit	100 No.	300	7.726222222	36.08
7	Re-Planting to plants	100 No.	300	229.0897778	1068.02
8	Spot Irrigation	100 No.	300	190.5072593	888.13
9	Weeding & Hoeing (Three)	100 No.	3000	229.0897778	10679.63
10	Application of Insecticide (2 Times)	100 No.	2000	25.74192593	800.06
11	Application of Fertilizers (2 Times)	100 No.	2000	25.74192593	800.06
12	Hand Watering (8 Times)	100 No.	8000	190.5072593	23682.21
13	Rejungle Clearance (2 Times)	Per Ha.	0.5	1529.451852	11.88
14	Restubbing of Kana	Per Ha.	0.15	6563.644444	1530.00
15	Watch & Ward for every 10 Ha. (10 Months)	Man Year	1/10 Man Yr.	54883.15881	8528.00
16	Repair of Barbed Wire	L/s			4793.84
17	POL & Machinery	L/s			11353.84
18	Material and Supply	L/s			7821.54
	Sub Total				81480.59
	2nd Year Maintenance				
1	Cost of raising plants for 20% replacement	1 No.	200	16.22992593	5046.16
2	Reopening of Pits 200 x 0.50 x 0.50 x 0.30	1 m3	15 m3	23.21511111	541.20
3	Refilling of pits with earth in other soils 200 x 0.50 x 0.50 x 0.30	1 m3	15 m3	11.58933333	269.97
4	Loading & Unloading of Plants	1 No.	200	0.255111111	79.70
5	Carriage of Plants (200+10% Wastage = 220 avg. distance upto 10 Km.)	100 No.	220	126.1099259	431.20
6	Spreading of plants pit to pit	100 No.	200	7.726222222	23.97
7	Re-Planting to plants	100 No.	200	229.0897778	712.02
8	Spot Irrigation	100 No.	200	190.5072593	592.20
9	Weeding & Hoeing (Twice)	100 No.	3000	229.0897778	10679.63
10	Hand Watering (5 Times)	100 No.	5000	190.5072593	14801.38
11	Rejungle Clearance (2 Times)	Per Ha.	0.6	1530.375111	1426.78
12	Pruning to Plants	100 No.	300	191.794963	894.06
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	60603.69748	9416.13
14	Repair of Barbed Wire	L/s			4793.84
15	POL & Machinery	L/s			11353.84
18	Material and Supply	L/s			7821.54
	Sub Total				68883.60
	3rd Year Maintenance				
1	Cost of raising plants for 10% replacement	1 No.	100	16.22992593	2523.07
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.30	1 m3	7.5 m3	23.21511111	270.60
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	7.5 m3	11.58933333	135.11
4	Loading & Unloading of Plants	1 No.	100	0.255111111	39.83
5	Carriage of Plants (100+10% Wastage = 110 avg. distance upto 10 Km.)	100 No.	110	126.1099259	215.57
6	Spreading of plants pit to pit	100 No.	100	7.726222222	12.01
7	Re-Planting to plants	100 No.	100	229.0897778	355.98
8	Spot Irrigation	100 No.	100	190.5072593	296.04
9	Weeding & Hoeing (Twice)	100 No.	3000	229.0897778	10679.63
10	Hand Watering (3 Times)	100 No.	3000	190.5072593	8880.83
11	Rejungle Clearance (2 Times)	Per Ha.	0.4	1530.375111	951.20
12	Pruning to Plants 50%	100 No.	50	191.794963	149.01

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13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	54883.15881	8528.00
14	Repair of Barbed Wire	L/s			4793.84
15	POL & Machinery	L/s			11353.84
18	Material and Supply	L/s			7821.54
	Sub Total				57006.11
	4th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	60603.69748	9393.41
	Sub Total				9393.41
	5th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	60603.69748	9393.41
	Sub Total				9393.41
	6th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	60603.69748	9393.41
	Sub Total				9393.41
	7th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	60603.69748	9393.41
	Sub Total				9393.41
	8th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	60603.69748	9393.41
	Sub Total				9393.41
	9th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	60603.69748	9393.41
	Sub Total				9393.41
	10th Year Maintenance				
1	Watch & Ward for every 10 Ha. (10 Motnts)	Man Year	1/10 Man Yr.	60603.69748	9393.41
	Sub Total				9393.41
	Total				475520.54
	Over Head expenses 5%				23776.03
	G. Total				499296.57
	Or Say				499297
	Compensatory Afforestation = 0.0232 x 2500 = 58 x <u>499297</u>				
	1000				28959/-
	Net Present Value = 0.0232 x 887000				20578/-

Divisional Forest Officer,
Patiala Forest Division,
Patiala

20 JUL 2016