

ESTIMATED COST FOR DEGRADED IN SHIWALIKS					
Diversion of 0.6926 ha (instead of 0.5392ha) forest land for construction of Marriage Palace on Mukerian to Talwara Road Km 22-23 L/S at village SathwanKhasraNo907,1141/906/2, 1,221/1139/905/2,1,230/1149/932/2 area closed under Section 4 & d of PLPA 1900 PO Fatehpur Tehsil Mukerian under Forest Division Dasuya Distt. Hoshiarpur. FP/PB/Others/31455/2018					
1) Diverted Forest Area = 0.6926				Daily Wage Rate @ 353.56	
2) Comp. Aff. Schme area =1.7315 ha + 2 times Penal CA = 0.257 ha Total 1.9885 ha				Plants/Ha :1000	
3) Name of Site of Plantation : Bai Channel R/s (Bhussa Pul (Dasuya Range)					
4) No. of plants Planted =CA Plant 1732 + Penal CA 's 257 Plant planted					
Sr. No.	Nature of Work Component	Unit	Unit Cost	Quantity	Amount
A. Nursery					
1	Cost of seedling (upto tall plants) including (a) Original planting=1100 per ha. (b) Replacement 10%= 100 per ha Total 1100 No. in P. bag	No	77.54	1100	85289
B. Soil /Adv Works.					
2	Lantana stubbing	Ha.	28926.89	0.60	17356.14
3	Survey and alignment	Ha.	1414.24	1.00	1414.24
4	Earth work i.e. digging of Pits of Bouldry Soil size 1000 No. x .50 Mtr. x .50 Mtr x .40 Mtr	M3	154.27	100	15427.41
					119486
C. Plantation.					
5	Refilling of pits 1000 No x .0.50 Mtr x .50 Mtr x .30 Mtr =75 m3	M3	28.55	75.00	2141.52
6	Carriage of seedlings (Tall Plants) by Tractor- Trolly	No	11.20	1000	11196
7	Carriage of seedlings (Tall Plants) by M/L lead 500mt.	Mtr	9.92	1000	9924
8	Loading & unloading of plants (Tall Plants)	100 No	88.35	1000	883.49
9	Planting of seedlings (Tall Plants)	No	10.61	1000	10607
10	Fixing of cement concrete fence post including digging of pits 1/2 Mtr deep.	100 No.	1060.68	130	1379
11	Layout and Fixing of barwed wire per stand	100 Mtr	176.78	1950	3447
12	Application of Insecticides 1000 x 2 times = 1000	100 No	61.85	2000	1237.05
13	Application of fertilizers 1000 x 2 times = 1000	100 No	61.85	2000	1237.05
14	Prepration of inspection path in Bouldry Soil 50 Mtr x .10 Mtr x 1Mtr= 5 M3	M3	154.27	5	771.37
					42823.92
D. Mtc on Planting Year					
15	Repair i.e. cleaning and dressing of inspection path	M3	154.27	5	771.37
16	Watch and ward for every 10 ha. Of plantation x 2.6 days	No.	353.56	26	9192.56
17	Cutting of lantana/mallaha 2nd and 3rd times. 0.50 x 2= 1	Ha	18494.70	1.00	18494.70
18	Weeding hoeing i.e. 1000m x 3 = 3000 m	No.	3.10	3000	9304
19	Application of Insecticides 1000 x 2 times = 2000	100 No	61.85	2000	1237.05
20	Application of fertilizers 100 x 2 times = 2000	100 No	61.85	2000	1237.05
21	Re-Opening of pits 100 No x .0.50 Mtr x .50 Mtr x .30 Mtrm = 2.18 m3	Mtr	58.3374	7.5	437.53
22	Carriage of seedlings (Tall Plants) by Tractor- Trolly	No	11.20	1000	11196
23	Carriage of seedlings (Tall Plants) by M/L lead 500mt.	Mtr	9.92	100	992
24	Loading & unloading of plants (Tal Plants)	100 No	88.35	100	88.35
25	Re -Planting of seedlings (Tall Plants)	No	10.61	100	1061
26	Covering (25% Plants)	No.	3.15	250	788.27
27	Uncovering	No.	0.34	250	85.29
					54886

C:\Users\LENOVO\Downloads\REVISED Estimate

Atal Kumar
Divisional Forest Officer
Dasuya Forest Division Dasuya
24/2/22

Scanned with Cam

Sr. No.	Nature of Work	Unit	Unit Cost	Quantity	Amount
	Component				
	E. Material				
28	Insecticides including carriage				
29	Fertilizers i.e. urea etc. including carriage	litre	467.64	10	4676.40
30	Misc. Items (tools, etc)	kg	35.07	200	7013.31
31	Fence Post (Concrete)	L/S			5000
32	Barwed Wire	No.	550.00	130	71500
		kg	145.00	325	47125
					135315
	Total Cost of Planting Year				352511
	Countingency 10%				35251
	Total Cost of Planting Year				387762
	1st year Maintenance (Labour rate Rs. 366/-)				
1	Re-opening of pits for replacement 250 no x .50m x .50m x .30m = 18.75 m3	M3	60.39	18.75	1132.31
2	Refilling of pits 250 No. x 0.50m x 0.50m x 0.30m = 18.75 m3	M3	37.99	18.75	712.34
3	Nursery cost of seedling (Tall Plants)	No	107.02	250	26754.39
4	Carriage of seedlings (Tall Plants) by Tractor-Trolly	No	11.59	250	2897.50
5	Carriage of seedlings (Tall Plants) by M/L labour lead 500mt.	100 Mtr	10.27	250	2568.42
6	Loading & unloading of plants (Tall Plants)	100 No	91.46	250	228.64
7	Re- Planting of seedlings (Tall Plants)	No	10.98	250	2745.00
8	Repair of Barwed Wire fence in hills	100 Mtr	109.16	1950	2129
9	Weeding and hoeing to trenches (Twice)	Mtr	2.28	4000	9117.89
10	Application of insecticides (Twice)	100 No	64.03	2000	1280.57
11	Application of fertilizers (twice)	100 No	64.03	2000	1280.57
12	Repair of inspection path (Twice)	Mtr	159.70	100	15970.22807
13	Cutting of lantana/mallah etc. per ha II & III times	Ha	6654.09	1.00	6654.09
14	Watch and ward for every 10 ha. Of plantation	No	366.00	26.00	9516
15	Covering (25% Plants)	No.	3.264035	250	816.01
16	Uncovering	No.	0.353158	250	88.29
					83890.84
	Cost of material				
17	Insecticides including carriage	litre	452.35	10	4523.50
18	Fertilizers i.e. urea etc. including carriage	kg	33.92	200	6784.00
19	Misc. Items (tools, etc)	L/S			5000
					16307.50
	Total				100198.34
	Countingency 10%				10019.83
	Total Cost of 1st Year Mtc				110218.17
	2nd Year Maintenance (Labour Rate Rs. 392/-)				
1	Reopening of pits for replacement 150 no x .50 m x .50 m x .30m = 11.25 m3	M3	64.68	11.25	727.65
2	Refilling of pits 150 No. x 0.50m x 0.50m x 0.30m = 11.25 m3	M3	40.69	11.25	457.75
3	Nursery cost of seedling (Tall Plants)	No	114.62	150	17193.38
4	Carriage of seedlings (Tall Plants) in P bags i) M/L Average Lead 1.5 km	No	11.00	150	1649.93
5	ii) Tractor trolly average lead 15 km (1000 plants per trolly)	No	12.41	150	1862.00
6	Loading & unloading of plants (Tall Plants) from T/ Trolly	100 No	97.96	150	146.94
7	Re -Planting of seedlings (Tall Plants)	No	11.76	150	1764
8	Repair of Barwed Wire fence in hills	100 Mtr	116.91	1950	2280
9	Weeding and hoeing to tranches (Twice)	Mtr.	2.44	4000	9767.87
10	Application of insecticides (Twice)	100 No	68.58	2000	1371.57
11	Application of fertilizers (Twice)	100 No	68.58	2000	1371.57
12	Repair of inspection path (Twice)	M3	171.04	100	17104.48
13	Lantana cutting (subsequent time 0.50 Ha) x 2 times =1.00	Ha	6413.84	1.00	6413.84
	Total				62110.81
	Cost of material				

C:\Users\LENOVO\Downloads\Revised Estimate

Atal Kumar
Divisional Forest Officer
Dasuya Forest Division Dasuya

24/2/22

Scanned with Cam

Sr. No.	Nature of Work	Unit	Unit Cost	Quantity	Amount
	Component				
14	Insecticide	Kg	452.35	10.00	4523.50
15	Fertilizers i.e. urea etc.	Kg	33.92	200.00	6784.00
	Total				11307.50
	Total				73418.31
	Contingency 10%				7341.83
	Total Cost of 2nd Year Mtc				80760.14
	3rd Year Maintenance (Labour Rate Rs. 419/-)				
1	Reopening of pits for replacement 100 no x 0.50 x .50 m x .30m	M3	69.14	7.50	518.51
2	Refilling of trenches 100 No. x 0.50m x 0.50m x 0.30m	M3	43.49	7.50	326.19
3	Nursery cost of seedling (Tall Plants)	No	122.51	100	12251.47
4	Carriage of seedlings (Tall Plants) by manual labour lead 500mt.	100 Mtr.	11.76	100	1175.77
5	Loading & unloading of plants (Tall Plants) from T/ Trolley	100 No	104.71	100	104.71
6	ii) Tractor trolley average (Tall Plants) lead 15 km (1000 plants per trolley)	No	13.26	100	1326.48
7	Re-Planting of seedlings (Tall Plants)	No	12.57	100	1257.00
8	Repair of Barbed Wire fence in hills	100 Mtr	124.96	1950	2437
9	Weeding and hoeing to trenches (Twice)	Mtr.	2.61	4000	10432.24
10	Cutting of lantana/mallaha IInd and IIIrd times.	Ha	7617.66	0.70	5332.36
11	Application of fertilizers	100 No	73.30	1000	733.04
12	Repair of inspection path (Twice)	Mtr	182.82	100	18282.08
13	Pruning of plants	No.	3.33	150	500.23
14	Jungle Clearance i.e. Bhang, Jhau tall weed etc.	No.	6856.07	0.2	1371.21
	Total				56048.07
	Cost of material				
15	Fertilizers i.e. urea etc.	Kg	33.92	56.00	1899.52
	Total				1899.52
	Total Cost of 3rd maintenance				57947.59
	Contingency 10%				5794.76
	SubTotal Cost of 3rd year maintenance				63742.35
	4th Year Maintenance (Labour rate Rs. 448/-)				
1	Watch and ward for every 10 ha. Of plantation	No	448.00	26.00	11648
	Total				11648.00
	5th Year Maintenance (Labour rate Rs. 479/-)				
1	Watch and ward for every 10 ha. Of plantation	No	479.00	26.00	12454
	Total				12454.00
	6th Year Maintenance (Labour rate Rs. 513/-)				
1	Watch and ward for every 10 ha. Of plantation	No	513.00	26.00	13338
	Total				13338.00
	7th Year Maintenance (Labour rate Rs. 549/-)				
1	Watch and ward for every 10 ha. Of plantation	No	549.00	26.00	14274
	Total				14274.00
	8th Year Maintenance (Labour rate Rs. 587/-)				
1	Watch and ward for every 10 ha. Of plantation	No	587.00	26.00	15262
	Total				15262.00
	9th Year Maintenance (Labour rate Rs. 628/-)				
1	Watch and ward for every 10 ha. Of plantation	No	628.00	26.00	16328
	Total				16328.00
	10th Year Maintenance (Labour rate Rs. 672/-)				
1	Watch and ward for every 10 ha. Of plantation	No	672.00	26.00	17472
	Total				17472.00
	ABSTRACT				

C:\Users\LENOVO\Downloads\REvised Estimate

Atal Kumar
Divisional Forest Officer
Dasuya Forest Division Dasuya

24/2/22

Scanned with Cam

Sr. No.	Nature of Work	Unit	Unit Cost	Quantity	Amount
	Component				
1	Total Cost On Plantation Works				387761.65
2	Total Cost of 1st year Maintenance				110218.17
3	Total Cost of 2nd year Maintenance				80760.14
4	Total Cost of 3rd year Maintenance				63742.35
5	Total Cost of 4th year Maintenance				11648.00
6	Total Cost of 5th year Maintenance				12454.00
7	Total Cost of 6th year Maintenance				13338.00
8	Total Cost of 7th year Maintenance				14274.00
9	Total Cost of 8th year Maintenance				15262.00
10	Total Cost of 9th year Maintenance				16328.00
11	Total Cost of 10th year Maintenance				17472.00
	G.Total				743258.31
	Comp. Aff. Scheme for 1.00 Ha.				743258.00
	Compensatory afforestation scheme 0.6926 ha X 2.5 = 1.7315	Ha.	1.7315	743258	1286951.23
	Entry Point activity 10 % (Development works of village under concern JFMC/VFC)				128695.12
				Total	1415646.35
	Cost of per Ha. For 7-10 Year 2 Times Penal CA violated area. ha.0.1285 (0.1285 X 2 =257)	Ha.	0.257	743258	191017.31
	Total of CA and 2 Time Penal CA area is	Ha.	1.989		1606663.66
	Net Present Value	Ha.	0.6926	957780	663358.4
	2 time Penal NPV amount	Ha.	0.257	957780	246149.5
	Simple Interest 12% on 2 Penal NPV amount for 1 year (246149.50 X 12% X 1 Year)				29550.00
	Total NPV+ Penal NPV including 12% interest				939057.89
				Grand Total	2545721.54
				Or Say	2545722

Divisional Forest Officer,
 Atal Kuman Division,
 Divisional Forest Officer
 Dasuya Forest Division Dasuya

24/2/22