

Check - Cost - 17

BILL FOR COMPENSATORY AFFORESTATION SCHEME

in lieu of diversion of 0.1680 ha of forestland
for the construction of road Challah to Salathari 0/00 to 0/200 mtr. Gram Panchayat Dunkharighar
near village Challah P.O ShallangTeh And Distt. Kullu

PER HECTARE COST NORM FOR MODEL PLANTTATION UNDER

1500 plant per Ha with RCC fence posts

Area taken for CA = $0.1680 \times 2 = .3360$ or say 0.50ha. Species to be planted (conifer & B.L)

S.N	Particular of work	Unit	Qty	Rate in Rs.	Amount in Rs.
FENCING:-					
1	Survey & demarcation of plantation area		1Hec	67.33	67.33
2	Preparation/purchase of RCC fence posts		60 Nos	230 / Post	13800.00
3	Carriage of RCC fence post up to 2 mtr. Long Over distance 2 KM		60 Nos	907.34%	544.40
4	Preparation/digging of holes 20-30 CM dia & 50 CM deep		60 Nos	604.51%	362.70
5	Fixing of RCC fence posts i/e strutting		60 Nos	477.34%	286.40
6	Carriage of barbed wire over distance 2 Km		0.90 Qtl	54.50/Qtl/Km	98.10
7	Stretching & fixing of barbed wire in 4 stands		720 Rmt	3.16Per Rmt	2275.20
8	Preparation of inspection path 60 Cm width		250 Rmt	7.24/Rmt	1810.00
9	Preparation of water retention trenches		L.S		2000.00
10	Interlacing of thorny bushes along the fence		180 Rmt	2.74/ Rmt	493.00
TOTAL FENCING COST :					21737.13
20% increase on labour rates					
PLANTING:-					
1	Digging of pits 45x45x45 cm		600 Nos	636.28%	3817.68
2	Digging of pits 30x30x30 cm		900 Nos	318.22%	2863.98
3	Filling of pits 45x45x45 cm		600 Nos	182.31%	1093.86
4	Filling of pits 30x30x30 cm		900 Nos	127.22%	1144.98
5	Carriage of naked roots plant over distance 2KM up hill		600 Nos	23.49%	281.88
6	Carriage of plant in P/bags over distance 2Km up hill		900 Nos	145.39%	2617.02
7	Planting of entire plant raised in P.bages		900 Nos	145.49%	1309.41
8	Planting of naked roots plants		600 Nos	122.66%	735.96

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9	Planting of grass tufts/preparation of strips i/c			
	Sowing in strips 100x30x5 cm for grass sowing			
	Along counter	500 Strips	613.33%	3066.65
				16931.42
	TOTAL PLANTING COST :			
	MATERIAL:-			
		0.90 Qtl	7000/ Qtl	6300.00
1	Cost of barbed wire			
	NURSERY COST OF PLANT:-			
1	Naked roots plant	600 Nos	6 Per Plant	3600.00
2	Polythene bags plant	900 Nos	8 Per Plant	7200.00
				10800.00
	TOTAL COST OF PLANT :			55768.55
	GRAND TOTAL:-			55770.00
	SAY Rs. :-			
	MAINTENANCE COST:-			
	1st year maintenance 30% mortality			
	Re digging of pits 45x45x45 cm	180 Nos	318.22%	572.79
	Re digging of pits 30x30x30 cm	270 Nos	159.07%	429.48
	Filling of pits 45x45x45 cm	180 Nos	182.31%	328.15
	Filling of pits 30x30x30 cm	270 Nos	127.22%	343.49
	Planting of P.Bags plant	270 Nos	145.49%	392.82
	Planting of naked root plant	180 Nos	122.66%	220.78
	Planting of grass tufts/preparation strips i/e sowing in			
	Strips 100x30x5 cms for grass sowing	200 Strips	613.13%	1226.26
	Carriage of P.bags plant distance 2 Km up hill	270 Nos	145.39%	392.55
	Carriage of naked root plant over distance 2Km up hill	180 Nos	23.49%	42.28
	Nursery cost of plant	375 Nos	8&6 per plant	3240.00
	Repair of fence	180 Rmt	1.16/ Rmt	208.00
	Repair of inspection path	L.S.		700.00
	Moisture conservation works	L.S.		1000.00
	TOTAL:-			9097.40
	SAY Rs. :-			9100.00

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2nd year maintenance 20% mortality

Re digging of pits 45x45x45 cm	120 Nos	318.22%	381.86
Re digging of pits 30x30x30 cm	180 Nos	159.07%	286.32
Filling of pits 45x45x45 cm	120 Nos	182.31%	160.43
Filling of pits 30x30x30 cm	180 Nos	127.22%	167.93
Planting of P.Bags plant	192 Nos	145.49%	279.34
Planting of naked root plant	108 Nos	122.66%	132.47
Carriage of P.bags plant distance 2 Km up hill	192 Nos	145.39%	556.80
Carriage of naked root plant over distance 2Km up hill	108 Nos	23.49%	50.74
Nursery cost of plant	300 Nos	8&6 per plant	2184.00
Repair of fence	180 Rmt	1.16/Rmt	208.80
Repair of inspection path	L.S.		500.00
Moisture conservation works	L.S.		800.00
TOTAL:-			5708.69
SAY Rs. :-			5700.00

3rd year maintenance 10% mortality

Re digging of pits 45x45x45 cm	60 Nos	318.22%	190.93
Re digging of pits 30x30x30 cm	90 Nos	159.07%	143.16
Filling of pits 45x45x45 cm	60 Nos	182.31%	109.39
Filling of pits 30x30x30 cm	90 Nos	127.22%	114.50
Planting of P.Bags plant	90 Nos	145.49%	130.94
Planting of naked root plant	60 Nos	122.66%	73.59
Carriage of P.bags plant distance 2 Km up hill	90 Nos	145.39%	261.70
Carriage of naked root plant over distance 2Km up hill	60 Nos	23.49%	28.18
Nursery cost of plant	150 Nos	8&6 per plant	1080.00

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Repair of fence	200 Rmt	1.16/ Rmt	232.00
Repair of inspection path	L.S.		400.00
Moisture conservation works	L.S.		800.00
TOTAL:-			3564.39
SAY Rs. :-			3600.00

4th year maintenance 10% mortality

Re digging of pits 45x45x45 cm	60 Nos	318.22%	190.93
Re digging of pits 30x30x30 cm	90 Nos	159.07%	143.16
Filling of pits 45x45x45 cm	60 Nos	182.31%	109.39
Filling of pits 30x30x30 cm	90 Nos	127.22%	114.50
Planting of P.Bags plant	90 Nos	145.49%	130.94
Planting of naked root plant	60 Nos	122.66%	73.59
Carriage of P.bags plant distance 2 Km up hill	90 Nos	145.39%	261.70
Carriage of naked root plant over distance 2Km up hill	60 Nos	23.49%	28.18
Nursery cost of plant	150 Nos	886 per plant	1080.00
Repair of fence	200 Rmt	1.16/ Rmt	232.00
Repair of inspection path	L.S.		300.00
Moisture conservation works	L.S.		700.00
TOTAL:-			3364.39
SAY Rs. :-			3400.00

5th year maintenance 10% mortality

Re digging of pits 45x45x45 cm	60 Nos	318.22%	190.93
Re digging of pits 30x30x30 cm	90 Nos	159.07%	143.16
Filling of pits 45x45x45 cm	60 Nos	182.31%	109.39
Filling of pits 30x30x30 cm	90 Nos	127.22%	114.50
Planting of P.Bags plant	90 Nos	145.49%	130.94

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Planting of naked root plant	60 Nos	122.66%	73.59
Carriage of P.bags plant distance 2 Km up hill	90 Nos	145.39%	261.70
Carriage of naked root plant over distance 2Km up hill	60 Nos	23.49%	28.18
Nursery cost of plant	150 Nos	8&6 per plant	1080.00
Repair of fence	200 Rmt	1.16/ Rmt	232.00
Repair of inspection path	L.S.		300.00
Moisture conservation works	L.S.		500.00
TOTAL:-			3164.39
SAY Rs. :-			3200.00

6th year maintenance 10% mortality

Re digging of pits 45x45x45 cm	60 Nos	318.22%	190.93
Re digging of pits 30x30x30 cm	90 Nos	159.07%	143.16
Filling of pits 45x45x45 cm	60 Nos	182.31%	109.39
Filling of pits 30x30x30 cm	90 Nos	127.22%	114.50
Planting of P.Bags plant	90 Nos	145.49%	130.94
Planting of naked root plant	60 Nos	122.66%	73.59
Carriage of P.bags plant distance 2 Km up hill	90 Nos	145.39%	261.70
Carriage of naked root plant over distance 2Km up hill	60 Nos	23.49%	28.18
Nursery cost of plant	150 Nos	8&6 per plant	1080.00
Repair of fence	200 Rmt	1.16/ Rmt	232.00
Repair of inspection path	L.S.		300.00
Moisture conservation works	L.S.		500.00
TOTAL:-			3164.39
SAY Rs. :-			3200.00

7th year maintenance 10% mortality

Re digging of pits 45x45x45 cm	60 Nos	318.22%	190.93
Re digging of pits 30x30x30 cm	90 Nos	159.07%	143.16
Filling of pits 45x45x45 cm	60 Nos	182.31%	109.39
Filling of pits 30x30x30 cm	90 Nos	127.22%	114.50

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Planting of naked root plant	60 Nos	122.66%	73.59
Carriage of P.bags plant distance 2 Km up hill	90 Nos	145.39%	261.70
Carriage of naked root plant over distance 2Km up hill	60 Nos	23.49%	28.18
Nursery cost of plant	150 Nos	886 per plant	1080.00
Repair of fence	200 Rmt	1.16/ Rmt	232.00
Repair of inspection path	L.S.		300.00
Moisture conservation works	L.S.		500.00
TOTAL:-			3033.45
SAY Rs. :-			3200.00

ABSTRACT:-

New Plantation	55770.00
1st Year Maintenance	9100.00
2 nd Year Maintenance	5700.00
3rd Year Maintenance	3600.00
4th Year Maintenance	3400.00
5th Year Maintenance	3200.00
6 th year Maintenance	3200.00
7th year Maintenance	3200.00
GRAND TOTAL:-	87170.00
Add 80 % increase on schedule/ labour rates	69736.00
Grand Total norms/Hec.	156906.00
or say	156906
Add 17.50% Departmental charges	27459
Add 5% contingency charges	7845
Total:-	192210
Area to be taken for Comepnsatory Afforestation	0.50 ha
Cost for compensatory a forestation = 0.50 x 192210	96105
or Say Rs.:-	96105.00

Total Compensatory a forestation scheme cost **96105.00**

Note:-

- 1 Above scheme is liable to correct as per instruction/guide lines issued by the Govt. time to time.
- 2 Any Bonafide mistake grammatical or other wise shall be liable to corrected.


Range Forest Officer,
Bhutti Forest Range


Divisional Forest Officer
Kullu Forest Diva Kullu