

Check List Sr. No-18

Detailed Scheme for Compensatory Afforestation to be carried out for the diversion of 0.3442 hac of forest land for the construction of Choj-I SHP within the jurisdiction under Forest Range Kasol, Parvati Forest Division at Shamshi. (Total 700 trees / plants to be planted over 0-70 hectare). (COST MODEL: 1000 PLANTS PER HECTARE)

Sr. No.	Particulars of Works	Unit	Qty.	Mandays involved	Amount at wage rate of Rs. 275/- for non Tribal areas.
A	Survey, Demarcation & Fencing				
1	Survey and demarcation of plantation area	Hec.	1	0.67	184.25
2	Preparation/ Purchase of RCC fence post	Nos.	50	Rs.358.00 per No.	17900.00
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2KM uphill/downhill	Nos.	50	22.33	6140.75
4	Preparation/Digging of holes of 20x30x50xcm for fixing of fence	Nos.	50	3.02	830.50
5	Fixing of RCC fence posts in concrete i/c strutting	Nos.	50	2.39	657.25
6	Carriage of B/wire over distance 2Km uphill/downhill	per Km per qntl.	0.75	0.74	203.50
7	Stretching and fixing of Barbed wire in 4 stands	Rmt.	600	19.2	5280.00
8	Interlacing of thorny bushes along the fence	Rmt.	150	4.09	1124.75
9	Cost of Barbed wire	Qntl.	0.75	Rs.6510.00 per Qntl..	4882.50
Total-A/Survey, Demarcation & Fencing					37203.50
Or Say					37204.00
B	Planting				
1	Bush cutting in strip (3mX3m)	Hec.	1	7.95	2186.25
2	Digging of pits of 45x45x45cm size	Nos.	1000	63.60	17490.00
3	Filling of pits of 45x45x45cm size	Nos.	1000	18.13	4985.75
4	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	1000	25.33	6965.75
5	Planting of plants raised in P/bags	Nos.	1000	14.53	3995.75
6	Construction of Inspection Path	Rmt.	100	7.33	2015.75
7	Cost of Sign Board, Carriage & Fixing	No.	1	LS	450.00
Total:- B/Planting					38089.25
Or Say					38090.00
C	Cost of P/bags plants	Nos.	1000	19.78	19780.00
Total Cost of New Plantation (A+B+C)					95074.00
Or Say					95080.00

D	1st Year Maintenance (30% Beating up)				
1	Re-digging of pits 45x45x45 cm	Nos.	300	9.53	2620.75
2	Filling of pits 45x45x45cm	Nos.	300	5.43	1493.25
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill/plant	Nos.	300	4.36	1199.00
4	Planting of plants raised in P/bags	Nos.	300	7.60	2090.00
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	300	19.78	5439.50
G. Total					13040.50
Or Say					13050.00
	2nd Year Maintenance (20% Beating up)				
1	Re-digging of pits 45x45x45 cm	Nos.	200	6.36	1749.00
2	Filling of pits 45x45x45cm	Nos.	200	3.62	995.50
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	200	2.90	797.50
4	Planting of P/bags plants	Nos.	200	5.06	1391.50
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	No.	200	19.78	5439.50
G. Total					10571.00
Or Say					10580.00
	3rd Year Maintenance (10% Beating up)				
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
	4th Year Maintenance (10% Beating up)				
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
	5th Year Maintenance (10% Beating up)				
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00

6th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
7th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
8th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
9th Year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00
10th year Maintenance (10% Beating up)					
1	Re-digging of pits 45x45x45 cm	Nos.	100	3.18	874.50
2	Filling of pits 45x45x45cm	Nos.	100	1.80	495.00
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	100	1.45	398.75
4	Planting of P/bag plants	Nos.	100	2.63	723.25
5	Repair of fencing	Rmt.	60	0.72	198.00
6	Cost of P/bags plants	Nos.	100	19.78	5439.50
Total					8129.00
Or Say					8130.00

Total:- D/Maintenance Cost of 10 years	88670.00
Total Cost of New Plantation + Maintenance for 1000 plants per Hectare	183750.00
Area to be taken for Diversion (In Hectare)	0.3442
Area to be taken for Compensatory Afforestation (0.3442 Hectare X 2 Times)	0.7000
Tree to be Planted Per Hectare	1000
Tree to be Planted In Total Compensatory Afforestation Area	700
Cost of Compensatory Afforestation	128625.00
Increase in wages rate @ 20%.	25725.00
Total	154350.00
Departmental Charges @ 17.50%	22509.38
Contingency charges @ 5%.	7717.50
Grand Total	184576.88
Or Say	184780.00
(Rupees One Lakhs Eighty Four Thousand and Seven Hundred Eighty Only)	


 Range Forest Officer,
 Kasol Forest Range


 Divisional Forest Officer,
 Parvati Forest Division at Shamshi