

DIVERSION OF 1.11.63 HECTARE OF FOREST LAND FOR THE CONSTRUCTION OF 0.56 MW LINGTI SMALL HYDRO PROJECT WITHIN THE JURISDICTION OF PALAMPUR FOREST DIVISION, DISTT. KANGRA HP.

FILE No. _____

Date of Proposal _____

Scheme for Compensatory Afforestation of 2.25 ha. for 2023-24 in lieu of Diversion of 1.1163 ha of forest land for Construction of MW Lingti Small Hydro Project within the jurisdiction of Palampur Forest Division.

Sr. No.	Particulars of work	Unit	Qty.	Rate per Unit at wage rate of Rs. 150/-	Mandays Involved	Amount at wage rate of Rs. 375/- for Non-Tribal Areas
A	Survey, Demarcation & Fencing Cost					
1	Survey & demarcation of plantation area	ha.	1	101.00	0.67	251.25
2	Preparation/purchase of RCC Fence posts.	No.	50	358.00	0.00	17900.00
3	Carriage of RCC Fence posts up to 165 cm long over distance 2 Km	Km/ No.	50	33.50	22.33	8373.75
4	Preparation/digging of holes of 20x30x50 cm size	No.	50	9.06	3.02	1132.50
5	Fixing of RCC fence posts including strutting.	No.	50	7.16	2.39	896.25
6	Carriage of Barbed wire over distance 2 Km. uphill / downhill	Km/ Qtl.	0.75	73.65	0.74	277.50
7	Stretching & fixing of barbed wire in 4 strands	Rmt.	600	4.80	8.00	3000.00
8	Interlacing of Thorny bushes along the fence	Rmt.	150	4.09	4.09	1533.75
9	Cost of Barbed Wire	Qtl.	0.75	6510.00	0.00	4882.00
10	Nursery Cost of Plants	No.	1100	37.00	0.00	40700.00
Total - A (Survey, Demarcation & Fencing)						78947
						or Say 79000
B	Planting Cost					
1	Bush Cutting in Strips (3 m x 3 m)	ha.	1	1192.80	7.95	2981.25
2	Digging of pits 45x45x45 cm	No.	1100	9.54	69.96	26235.00
3	Filling of pits 45x45x45 cm.	No.	1100	2.72	19.95	7481.25
4	Carriage of plants in P/bags over distance 2 km. uphill.	Km/ No.	1100	1.90	27.87	10451.25
5	Planting of entire plant raised in P.bags.	No.	1100	2.18	15.99	5996.25
	Planting of grass tufts/preparation of strips including sowing in strips 100x30x5 cm for grass sowing along contour.	Rmt.	100	11.00	7.33	2748.75
		No.	0	LS	0	450.00
Total Planting Cost						56344
						or Say 56345
C	Grand Total (A+B)					135345
D	Add 10 % Increase on D					13535
E	Total Plantation Cost					148880
1st Year Maintenance Cost (30 % Beating Up):						
1	Re-digging of Pits 45 x 45 x 45 cm	No.	330	4.77	10.49	3935.25
2	Filling of Pits 45 x 45 x 45 cm	No.	330	2.72	5.98	2244.00
3	Planting of Plants raised in P/Bags	No.	330	2.18	4.80	1798.50
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	330	1.90	8.36	3135.00
5	Repair of Fencing	Rmt.	60	1.80	0.72	270.00
Total/ 1st Year Maintenance Cost						11383
						or Say 11385

2nd Year Maintenance Cost (20 % Beating Up):

1	Re-digging of Pits 45 x 45 x 45 cm	No.	220	4.77	7.00	2623.50
2	Filling of Pits 45 x 45 x 45 cm	No.	220	2.72	3.99	1496.00
3	Planting of Plants raised in P/Bags	No.	220	2.18	3.20	1199.00
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	220	1.90	5.57	2090.00
5	Repair of Fencing	Rmt.	60	1.80	0.72	270.00
Total/ 2nd Year Maintenance Cost						7679
or Say						7680

3rd Year to 10th Year Maintenance Cost (10 % Beating Up):

1	Re-digging of Pits 45 x 45 x 45 cm	No.	110	4.77	3.50	1311.75
2	Filling of Pits 45 x 45 x 45 cm	No.	110	2.72	1.99	748.00
3	Planting of Plants raised in P/Bags	No.	110	2.18	1.60	599.50
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	110	1.90	2.79	1045.00
5	Repair of Fencing	Rmt.	60	1.80	0.72	270.00
Total/ 3rd Year Maintenance Cost						3974
or Say						3975

27835

G.Total

195780

	Year	Amount	No. of Plants	Cost of Plants	Total Amount	Increase %	Increased Amount	Total Maintenance Cost
		11385	330	37	23595	20%	4719	28314
1	1st year Maintenance							
2	2 nd year Maintenance	7680	220	37	15820	30%	4746	20566
3	3 rd year Maintenance	3975	110	37	8045	40%	3218	11263
4	4 th year Maintenance	3975	110	37	8045	50%	4023	12068
5	5 th year Maintenance	3975	110	37	8045	60%	4827	12872
6	6 th year Maintenance	3975	110	37	8045	70%	5632	13677
7	7 th year Maintenance	3975	110	37	8045	80%	6436	14481
8	8 th year Maintenance	3975	110	37	8045	90%	7241	15286
9	9 th year Maintenance	3975	110	37	8045	100%	8045	16090
10	10 th year Maintenance	3975	110	37	8045	110%	8850	16895
Total Maintenance Cost 1 to 10 Years								161512
Abstract of Cost								
H	Total Plantation Cost (E)							148880
I	Total Maintenance Cost for 10 years (G)							161512
	Total							310392
J	Constituency Charges @ 5%							15520
	Total							325911
K	Departmental Charges @ 17.5%							57034
	Grand Total (C to P)							382946
	Total Cost of CA for 1 ha							382946

Total Cost of CA for 2.25 ha is Rs 3,82,946 x 2.25 ha = Rs 8,61,629/-

Dy. Conservator of Forest,
Palampur Forest Division
Palampur