

DIVERSION OF 0.9925 HA. OF FOREST LAND FOR DEVELOPMENT OF PARAGLIDING SITE AT BIR BILLING IN TEHSIL BAJNATH, DISTRICT KANGRA, HIMACHAL PRADESH.

: FP/HP/Others/14799/2015

; 29.08.2015

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Date of Proposal

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					251.25
1	Survey & demarcation of plantation area	ha.	1	101.00	0.67	17900.00
2	Preparation/purchase of RCC Fence posts.	No.	50	358.00	0.00	8373.75
3	Carriage of RCC Fence posts up to 165 cm long over distance 2 Km	Km/ No.	50	33.50	22.33	1132.50
4	Preparation/digging of holes of 20x30x50 cm size	No.	50	9.06	3.02	896.25
5.	Fixing of RCC fence posts including strutting.	No.	50	7.16	2.39	277.50
6	Carriage of Barbed wire over distance 2 Km. uphill / downhill	Km/ Qtl.	0.75	73.65	0.74	3000.00
7	Stretching & fixing of barbed wire in 4 strands	Rmt.	600	4.80	8.00	1533.75
8	Interlacing of Thorny bushes along the fence	Rmt.	150	4.09	4.09	4882.00
9	Cost of Barbed Wire	Qtl.	0.75	6510.00	0.00	40700.00
9	Nursery Cost of Plants	No.	1100	37.00	0.00	78947
10	Total - A (Survey, Demarcation & Fencing)					78950

B	Planting Cost	ha.	1	1192.80	7.95	2981.25
1	Bush Cutting in Strips (3 m x 3 m)	No.	1100	9.54	69.96	26235.00
2	Digging of pits 45x45x45 cm	No.	1100	2.72	19.95	7481.25
3	Filling of pits 45x45x45 cm.					
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

Total Planting Cost

or Say

135295

Grand Total (A+B)

13530

D

Add 10 % Increase on D

148825

Total Plantation Cost

E

Total Plantation Cost		
1st Year Maintenance Cost (30 % Beating Up):		
	No	3

		Total Plantation Cost				
E	1st Year Maintenance Cost (30 % Beating Up):					
		No.	330	4.77	10.49	3935.25
1	Re-digging of Pits 45 x 45 x 45 cm	No.	330	2.72	5.98	2244.00
2	Filling of Pits 45 x 45 x 45 cm	No.	330	2.18	4.80	1798.50
3	Planting of Plants raised in P/Bags	No.	330	1.90	8.36	3135.00
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/ downhill	Km/ No.	330	1.80	0.72	270.00
5	Repair of Fencing	Rmt.	60			
				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

F	Maintenance Cost	Amount	No. of Plants	Cost of Plants	Total Amount	Increase %	Increased Amount	Total Maintenance Cost
1	1st year Maintenance	11385	330	37	23595	20%	4719	28314
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
G	Total Maintenance Cost 1 to 10 Years							161512

Abstract of Cost				
H	Particulars of work	Area (in ha)	Cost per Ha.	Cost for 26.3 Ha
	Total Planting Cost	2	148825	297650
	1st year Maintenance	2	28314	56628
	2 nd year Maintenance	2	20566	41132
	3 rd year Maintenance	2	11263	22526
	4 th year Maintenance	2	12068	24136
	5 th year Maintenance	2	12872	25744
	6 th year Maintenance	2	13677	27354
	7 th year Maintenance	2	14481	28962
	8 th year Maintenance	2	15286	30572
	9 th year Maintenance	2	16090	32180
	10 th year Maintenance	2	16895	33790
	Total			620674
I	Constituency Charges @ 5%			31034
	Total			651708
J	Departmental Charges @ 17.5%			114049
	Grand Total (H to J)			765757
	Total Cost of CA for 2 ha			765757

Dr. Sanjay Sharma (IFS)
 Deputy Conservator of Forests
 Palampur Forest Division
 Palampur

DIVERSION OF 0.9925 HA. OF FOREST LAND FOR DEVELOPMENT OF PARAGLIDING SITE AT BIR BILLING IN TEHSIL BAIJNATH, DISTRICT KANGRA, HIMACHAL PRADESH.	
FILE NO.	: FP/HP/Others/14799/2015
DATE OF PROPOSAL	: 29.08.2015

CHECK LIST SERIAL NUMBER: - 17
"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation to be carried out in lieu of 0.9925 ha. of forest area proposed to be diverted for Development of Paragliding Site at Bir Billing in Tehsil Baijnath, District Knagra (H.P.)

Detail of degraded forest land :

District : Kangra, Tehsil : Baijnath, Division : Palampur	Range Baijnath, Block/Comptt. No. UP 131 B Baggidhar C-6	Area to be Afforested – 2 HAC.
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1. Description of Area

a.	Whether the site selected for Compensatory Afforestation is a land bank or not	Land Bank
b.	If the CA site is other than the land bank, reasons be given	Not Applicable
c.	In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	Not Applicable
d.	Soil type	Sandy Loam
e.	Topography : a.) Hilly/Undulating /Plain b.) Slope- Steep/Medium/Gentle	Hilly Medium
f.	Whether the area is bearing any root stock of vegetation	Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial breakup to be enclosed.

4. Schedule of Plantation Programme

Detail of year wise break-up of requirements of funds is as under:-

YEAR	AREA (Ha.)	Cost per Ha.	TOTAL AMOUNT (Rs.)
0 Year	2.00	148825	297650
1 st Year Maintenance	2.00	28314	56628
2 nd Year Maintenance	2.00	20566	41132
3 rd Year Maintenance	2.00	11263	22526
4 th Year Maintenance	2.00	12068	24136
5 th Year Maintenance	2.00	12872	25744
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10 th Year Maintenance	2.00	16895	33790
TOTAL (Rs.)			620674
Contingency Charges 5 %			31034
TOTAL (Rs.)			651708
Departmental Charges 17.5 %			114049
TOTAL (Rs.)			765757

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation in Forest Range Baijnath Area 2.00 Hac.
b.	Spacing	3.0 x 3.0
c.	Species	Mix Broad Leave, Arjun, Bhera, Ambla and native Species
d.	Plantation Method	By pits 30 cm & 45 cm.
e.	Soil and Moisture Conservation Works	Check dam / Retaining walls / Vegetative check dam
f.	Protection (Fencing, Watch man, People's Participation etc.)	Fencing, Watch man, People's Participation etc. Fencing 5 Stand Barbed Wire interlacing with thorny bushes.
g.	Proposed Monitoring Mechanism	Proper inspection of the area by field staff & officers of the Department.
h.	Any other information	N.A.

Place : Palampur

Dated : 18-06-2024,

Dr. Sanjeev Sharma (IFS)
 Deputy Conservator of Forests
 Palampur Forest Division
 Palampur