

{COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for new plantation in Non-tribal areas (at wage rate of Rs. 400/- for non tribal areas)

Modal -I : 1100 Plants per hectare (300 Tall plants+800 Normal plants)- Activity-wise calculations)

CHECK LIST SERIAL NUMBER:18

Sr. No.	Particulars Of Works	Unit	Qty	Rate per unit at the wage rate of 150/-	Amount at wage rate of Rs. 150/- for Non-Tribal areas	Amount at wage rate of Rs. 400/- for Non Tribal areas
A	SURVEY, DEMACATION & FENCING:-					
1	Survey & Demarcation of Plantation Area	Ha.	1	101.00	101	269.33
2	Digging of Pits of 60X60X60 cm Size for tall plants	No.	300	17.45	5235	13959.65
3	Filling of Pits of 60X60X60 cm Size for tall plants	No.	300	2.54	762	2031.95
4	Digging of Pits of 45X45X45 cm Size	No.	800	9.54	7632	20351.49
5	Filling of Pits of 45X45X45 Ccm Size	No.	800	2.72	2176	5802.52
6	Planting of Tall Plants	No.	300	654.30/100	1962.9	5234.27
7	Planting of Normal Plants	No.	800	2.18	1744	4650.55
8	Construction of Inspection Path	Rmt.	100	11.00	1100	2933.26
9	Construction of Staggered contour trenches	Rmt.	600	12.00	7050	18799.53
10	Planting in gradional trenches	No.		L/S	2000	5333.20
11	Cost of RCC Fence posts	No.	50	450.00	22500	22500
12	Fixing of RCC Fence i/c strutting	No.	50	696.35	348.18	928.46
13	Carriage of RCC fence posts		50	L/S	4000	10666.40
14	Carriage of B/Wire over a distance of 2 Kms	KM/Qtls.	0.75	73.65	110.48	294.61
15	Stretching & Fixing of Barbed Wire in 5 Strands	Rmt.	750	4.80	3600	9599.76
16	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600	1599.96
17	Cost of Barbed Wire	Qtl.	1.1	9000.00	9900	9900
18	Cost of U-Nails	Qtl.	0.05	8800.00	440	440
19	Carriage of Tall Plants over distance 2 Km uphill/downhill	No	300	14.76	4428	11807.70
20	Digging of forest soil,carriage and mixing in the pits	No.	0	L/S	12000	12000.00
21	Carriage of normal Plants over distance 2KM uphill/downhill	KM/No.	800	1.90	1520	4053.23
22	Cost of manure,carriage and application in pits	No	0	L/S	3000	3000
23	Mulching with local grasses/shrubs	No	1100	84.81/100	932.8	2487.40
24	Weeding and hoeing	No.	1100	70.85/100	779.35	2078.21
25	Watering during lean season	No	4	L/S	8000	8000
26	Sign Board, Carriage & Fixing	No	0	L/S	450	450
(B)	Grand Total of all components of (A)				102371.71	179171.49
					Or Say=	179000.00
(C)	Contingency, Photography &IT Costs @ 3%					5370.00
(D)	Cost of Tall Plants	No.	300	68.68		20604
(E)	Cost of Normal Plants	No.	800	20.83		16664
	Grand Total B+C+D+E					221809
(F)	Restricted to Rs./Ha (New Plantation)					210000
	1st Maint. @ 30% of Creation					63000
	2nd Maint. @ 30% of Creation					63000
	3rd Maint. @ 20% of Creation					42000
	4th Maint. @ 15% of Creation					31500
	5th Maint. @ 15% of Creation					31500
	6th Maint. @ 10% of Creation					21000
	7th Maint. @ 10% of Creation					21000
	8th Maint. @ 10% of Creation					21000
	9th Maint. @ 10% of Creation					21000
	10th Maint. @ 10% of Creation					21000
(G)	Total Maint. For 1st to 10th Maint.					336000
(H)	Activity	Name of component				
	Cleaning of areas infested with invasive Alien Species	(Year-1)- Clearing of new areas				31100.00

upto 50%	(Year-II) 1st Maint. Of cleared areas		7400.00
	(Year-III) 2nd Maint. Of cleared areas		3700.00
	(Year-IV)-3rd Maint. Of cleared areas		3700.00
Total cost including Maint.			45900
Total New+Maint.+Cleaning (F+G+H) =			591900
	Or Say		592000
Area to be afforested (in hac)			5.00
Total C.A. Expenditure			2960000
Contingency Charges @5%			148000
Departmental Charges @ 17.5%			518000
GST @ 18% on cost of Fence Posts and B/Wire			532800
Soil and Moisture Conservation Works: i.e. c/o farm ponds to enhance the moisture and water level in the area & small scale engineering works for soil protection etc .		L/S	300000
G. Total CA Scheme =			4458800
Full Title of the Project:			
Diversion of 8.1683 hectare of forest land in favour of M/S Shyam Kumar r/o Village Tikkari PO Panjgain Tehsil Sadar Distt. Bilaspur HP for collection/extraction of sand, stone & Bajri within the jurisdiction of Bilaspur Forest Division.			
File No.:		FP/HP/MIN/34102/2018	
Date of Proposal:		09.06.2018	
"SCHEME FOR COMPENSATORY AFFORESTATION"			
1	Detail of degraded forest land/non-forest land:-		
	District	Bilaspur	Village UPF Kathpur
	Tehsil	Sadar	
	Name of Division	Bilaspur	Range Sadar
	Block/Compartment	UPF Kathpur	
4	Technical details:		
	Technical details of Compensatory Afforestation Scheme are as follows:		
a)	General Details: An area of 5 hectares at UPF Kathpur of Sadar range will be closed and afforested to improve vegetation cover and enhance moisture retention and groundwater levels in the region.		
b)	Spacing of plants : 3.00x3.00 m		
c)	Species to be plantes: Khair 2000, Shisham 1100, Amaltash 1200, Bair 800, Bamboo 200, Kachnar 200=5500		
d)	Plantation Method: Triangular Planting/ Pit digging.		
e)	Soil and Moisture Conservation Works: Small scale engineering like Vegetative structure, contour, trenches, farm ponds etc. work will be carried out to enhance the moisture and water level in the area.		
f)	Protection (Fencing, Watch Man, People's Participation etc.): Fencing and people participation is required.		
g)	Soil depth --- soil depth of 10-30 inches (25- 60 cm) is available at most of points		
h)	Aspect --East and West-facing Slopes:		
i)	Photogrphic evidence Attached		
j)	Proposed Monitoring Mechanism:- As per guidelines.		
Note			
1	Cost for geotextiles /hydrogels etc to be charged on actual market rate basis in addition to above cost norms.		
2	Increase in cost norms for Tribal Areas shall be in accordance to GoHP directions from time to time.		

Divisional Forest Officer
 Bilaspur Forest Division
 Bilaspur, HP

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Species upto 50%		(Year-11) 1st Maint. Of cleared areas		7400.00
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		(Year-IV)-3rd Maint. Of cleared areas		3700.00
Total cost including Maint.				45900
Total New+Maint.+Cleaning (F+G+H) =				591900
		Or Say		592000
Area to be afforested (in hac)				12.00
Total C.A. Expenditure				7104000
Contingency Charges @5%				355200
Departmental Charges @ 17.5%				1243200
GST @ 18% on cost of Fence Posts and B/Wire				1278720
Soil and Moisture Conservation Works: i.e. c/o farm ponds to enhance the moisture and water level in the area & small scale engineering works for soil protection etc.		L/S		300000
G. Total CA Scheme =				10281120
Full Title of the Project:				
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	District	Bilaspur	Village	UPF Dhar Tatoh
	Tehsil	Sadar		
	Name of Division	Bilaspur	Range	Sadar
	Block/Compartment	UPF Dhar Tatoh		
4	Technical details:			
	Technical details of Compensatory Afforestation Scheme are as follows:			
a)	General Details: An area of 12 hectares at UPF Dhar Tatoh of Sadar range will be closed and afforested to improve vegetation cover and enhance moisture retention and groundwater levels in the region.			
b)	Spacing of plants : 3.00x3.00 m			
c)	Species to be plantes: Khair 4100, Shisham 3000, Amaltash 2000, Bair 1500, Bamboo 1300,Kachnar 1300=13200			
d)	Plantation Method: Triangular Planting/ Pit digging.			
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