

{COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for new plantation in Non-tribal areas (at wage rate of Rs. 375/- for non tribal areas)

Modal : 1100 Plants per hectare- Activity-wise calculations)

CHECK LIST SERIAL NUMBER:18

Sr. No.	Particulars Of Works	Unit	Qty	Rate per unit at the wage rate of 150/-	Manday's involved	Amount at wage rate of Rs. 375/- for Non-Tribal areas
A	SURVEY, DEMACATION & FENCING:-					
1	Survey & Demarcation of Plantion Area	Ha.	1	101.00	0.67	251.25
2	Prepration/ Purchase of RCC Fence Post	No.	50	358.00	0.00	17900
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2 km uphill/downhill	KM/No.	50	33.50	22.33	8373.75
4	Preparation/ Digging of Holes of 20x30x50 cm	No.	50	9.06	3.02	1132.5
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	2.39	896.25
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.75	73.65	0.74	277.5
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	8.00	3000
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	4883
Total -A / Survey, Demarcation & Fencing:						38247.50
						Or Say 38200
B	PLANTING:-					
1	Bush Cutting in Strips (3mx3m)	Ha.	1	1192.80	7.95	2981.25
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	69.96	26235
3	Filling of Pits of 45x45x45 cm Size	No.	1100	2.72	19.95	7481.25
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1100	1.90	27.87	10451.25
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	15.99	5996.25
6	Consturction of Inspection Path	Rmt.	100	11.00	7.33	2748.75
7	Cost of Sign Board, Carriage& Fixing	No.	0 L/S		0.00	450
Total - B/ Planting:						56343.75
						Or Say 56300
Total Fencing and Planting (A+B)						94500
Norms for Maintenance of Old Plantation in Non-Tribal Areas						
C	MAINTENANCE					
1st year maintenance (30% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	330	4.77	10.49	3933.75
2	Filling of pits 45X45X45 cms	No	330	2.72	5.99	2246.25
3	Planting of Plants Raised in P/Bags	No	330	2.18	4.79	1796.25
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	330	1.90	8.36	3135
5	Repair of fencing	Rmt	60	1.80	0.72	270

	Total 1st year maintenance					11381.25	
					Or Say	11400	
	2nd year maintenance (20% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	220	4.77	7.00	2623.5	
2	Filling of pits 45X45X45 cms	No	220	2.72	3.99	1496	
3	Planting of Plants Raised in P/Bags	No	220	2.18	3.20	1199	
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	220	1.90	5.57	2090	
5	Repair of fencing	RMT	60	1.80	0.72	270	
	Total 2nd year maintenance					7678.5	
					Or Say	7700	
	3rd year to 10th maintenance (10% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	110	4.77	3.50	1311.75	
2	Filling of pits 45X45X45 cms	No	110	2.72	1.99	748	
3	Planting of Plants Raised in P/Bags	No	110	2.18	1.60	599.5	
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	110	1.90	2.79	1045	
5	Repair of fencing	RMT	60	1.80	0.72	270	
	Total 3rd year maintenance					3974.25	
					Or Say	3900	
	1 4th year Maintenance					3900	
	2 5th year Maintenance					3900	
	3 6th year Maintenance					3900	
	4 7th year Maintenance					3900	
	5 8th year Maintenance					3900	
	6 9th year Maintenance					3900	
	7 10th year Maintenance					3900	
	Total (C) Maintenance cost for 10 years						50300
	Activity	Name of component	Non tribal Areas (Amt in Rs.				
	Cleaning of areas infested with invasive Alien Species upto 100%	(Year-1)- Clearing of new areas	47300.00				
		(Year-11) 1st Maint. Of cleared areas	8500.00				
		(Year-III) 2nd Maint. Of cleared areas	5200.00				
		year-IV)-3rd Maint. Of cleared areas	5200.00				
	Total cost including Maint.		66200.00				
E	TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=					211000.00	
	Full Title of the Project:						
	Diversion of 0.3122 hectare of forest land for construction of link road from Chanjyar to Kaloh Km 0/00 to 2/690 within the jurisdiction of Bilaspur Forest Division, Distt. Bilaspur, HP.						
	File No.:	FP/HP/Road/145508/2021					
	Date of Proposal:	31-Jul-21					
	"SCHEME FOR COMPENSATORY AFFORESTATION"						
1	Detail of degraded forest land/non-forest land:-						
	District	Bilaspur	Village	Dagsech			

	Tehsil	Sadar		
	Name of Division	Bilaspur	Range	Sadar
	Block/Compartment	UPF Dagsech		
	Area to be afforested (in hac)	0.6244		
2	Description of area:			
(i)	Whether the site selected for Compensatory Afforestation is a land bank or not:			YES
(ii)	If the CA site is other than the land bank, reasons be given			N.A.
(iii)	In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary			N.A.
(iv)	Soil Type:	Sandy loom mixed with rocky strata		
(v)	Topography:			
	(a): Hilly			
	(b): Slope: Medium			
(vi)	Whether the area is bearing any root stock of vegetation:			No
3	Schedule of Plantation Programme:			
(A) Detail of yearwise break up of requirement of funds is as under				
	Year	Area in Hact	Rate P/hac	
	0 th Year Fencing & Planting	1.00	94500	
	1 th Year	1.00	11400	
	2 nd Year	1.00	7700	
	3 rd Year	1.00	3900	
	4 th Year	1.00	3900	
	5 th Year	1.00	3900	
	6 th Year	1.00	3900	
	7 th Year	1.00	3900	
	8th year	1.00	3900	
	9th year	1.00	3900	
	10th year	1.00	3900	
	Total (A):-	1.00	144800	
(B) Cleaning of areas infested with invasive Alien Species upto 100%.				
	Year	Area in Hact	Rate P/hac	
	Year New	1.00	47300.00	
	1 th Year	1.00	8500.00	
	2 nd Year	1.00	5200.00	
	3rd year	1.00	5200.00	
	Total (B)		66200.00	
	Gross Total for 1 Hact (A+B):-	1.00	211000.00	
	Total C.A. Expenditure for raising of CA		0.6244	131748.40
4	Technical details:			
	Technical details of Compensatory Afforestation Scheme are as follows:			
a)	General Details: The area will be closed to improve the vegetation cover to enhance the moisture and water level			
b)	Spacing: 3.00x3.00			
c)	Species: Khair, Shisham, Chil and medical species i.e. Harar, Behra, Amla, Arjun Ritha, Jamun etc.			
d)	Plantation Method: Triangular Planting/ Pit digging.			

e)	Soil and Moisture Conservation Works: Small scale engineering work will be carried out to enhance the moisture and water level in the area.		
f)	Protection (Fencing, Watch Man, People's Participation etc.):-		
g)	Proposed Monitoring Mechanism:- As per guidelines.		
h)	Any other information:- Nil		
Detail of Plants to be Planted:			
a	Area to be afforested:	0.6244	Hact.
b	Number of plants to be afforested per Hact.:	1100	Nos.
c	Total number of plants including maintenance:	1580	Nos.
d	Cost per plant	21.18	P/plant
Total Cost of plants		33464	
Total CA+ Cost of plants=		165212.40	
Contingency Charges @5%		8261	
Departmental Charges @ 17.5%		28912	
GST @ 18% on cost of Fence Posts and B/Wire		2561	
G. Total CA Scheme =		204946	


 Divisional Forest Officer,
 Bilaspur Forest Division,
 Bilaspur, H.P.