

**{COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for new
plantation in Non-tribal areas (at wage rate of Rs. 300/- for non tribal areas)**

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

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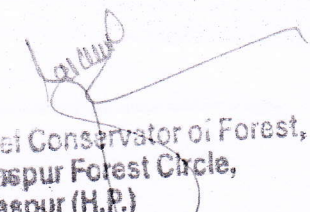
Sr. No.	Particulars Of Works	Unit	Qty	Rate per unit at the wage rate of 150/-	Manday's involved	Amount at wage rate of Rs. 300/- for Non-Tribal areas
A	SURVEY, DEMACATION & FENCING:-					
1	Survey & Demarcation of Plantion Area	Ha.	1	101.00	0.67	202
2	Prepration/ Purchase of RCC Fence Post	No.	50	358.00	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	6700
4	Preparation/ Digging og Holes of 20x30x50 cm	No.	50	9.06	3.02	906
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	2.39	716
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.75	73.65	0.74	220.95
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	19.20	5760
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	4.09	1227
9	Cost of Barbed wire	Qtl.	0.75	6510.00	0.00	4882
Total -A / Survey, Demarcation & Fencing:						38513.95
					Or Say	38500
B	PLANTING:-					
1	Bush Cutting in Strips (3mx3m)	Ha.	1	1192.80	7.95	2385.6
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	69.96	20988
3	Filling of Pits of 45x45x45 cm Size	No.	1100	2.72	19.95	5984
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1100	1.90	27.87	8360
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	15.99	4796
6	Consturction of Inspection Path	Rmt.	100	11.00	7.33	2200
7	Cost of Sign Board, Carriage& Fixing	No.	0	L/S	0.00	450
Total - B/ Planting:						45163.60
					Or Say	45160
Total Fencing and Planting (A+B)						83660


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	3148.2
2	Filling of pits 45X45X45 cms	No	330	2.72	5.98	1795.2
3	Planting of Plants Raised in P/Bags	No	330	2.18	4.80	1438.8
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	330	1.90	8.36	2508
5	Repair of fencing	Rmt	60	1.80	0.72	216
Total 1st year maintenance						9106.20
						Or Say 9100
2nd year maintenance (20% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	220	4.77	7.00	2098.8
2	Filling of pits 45X45X45 cms	No	220	2.72	3.99	1196.8
3	Planting of Plants Raised in P/Bags	No	220	2.18	3.20	959.2
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	220	1.90	5.57	1672
5	Repair of fencing	RMT	60	1.80	0.72	216
Total 2nd year maintenance						6142.8
						Or Say 6140
3rd year to 10th maintenance (10% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	110	4.77	3.50	1049.4
2	Filling of pits 45X45X45 cms	No	110	2.72	1.99	598.4
3	Planting of Plants Raised in P/Bags	No	110	2.18	1.60	479.6
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	110	1.90	2.79	836
5	Repair of fencing	RMT	60	1.80	0.72	216
Total 3rd year maintenance						3179.4
						Or Say 3180
1	4th year Maintenance					3180
2	5th year Maintenance					3180
3	6th year Maintenance					3180
4	7th year Maintenance					3180
5	8th year Maintenance					3180
6	9th year Maintenance					3180
7	10th year Maintenance					3180
Total (C) Maintenance cost for 10 years						40680
Activity		Name of component	Non tribal Areas (Amt in Rs.)			
Cleaning of areas infested with invasive Alien Species upto 25%		(Year-1)- Clearing of new areas	15650.00			
		(Year-11) 1st Maint. Of cleared areas	4210.00			

	(Year-III) 2nd Maint. Of cleared areas	1695.00	
	year-IV)-3rd Maint. Of cleared areas	1695.00	
	Total cost including Maint.	23250.00	
E	TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=		147590.00
Full Title of the Project:			
Diversion of 1.3463 ha of forest land in favour of Jal Shakti Vibhag for c/o Source Level Augmentation of WSS/LWSS by providing LWSS from Govind Sagar Lake at Kut-Bounger within the jurisdiction of Bilaspur Forest Division.			
File No.:		FP/HP/Water/118984/2021	
Date of Proposal:		9.1.2021	
"SCHEME FOR COMPENSATORY AFFORESTATION"			
1	Detail of degraded forest land/non-forest land:-		
	District	Bilaspur	Village
	Tehsil	Naina Devi Ji	Badoh
	Name of Division	Bilaspur	Range
	Block/Compartment	DPF Badoh	Naina Devi Ji
	Area to be afforested (in hac)	2.70	
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 blank, 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	83660
	1 th Year	1.00	9100
	2 nd Year	1.00	6140
	3 rd Year	1.00	3180
	4 th Year	1.00	3180
	5 th Year	1.00	3180
	6 th Year	1.00	3180
	7 th Year	1.00	3180

	8th year	1.00	3180		
	9th year	1.00	3180		
	10th year	1.00	3180		
	Total (A):-	1.00	124340		
(B) Cleaning of areas infested with invasive Alien Species upto 25%.					
	Year	Area in Hact	Rate P/hac		
	Year New	1.00	15650.00		
	1 th Year	1.00	4210.00		
	2 nd Year	1.00	1695.00		
	3rd year	1.00	1695.00		
	Total (B)		23250.00		
	Gross Total for 1 Hact (A+B):-	1.00	147590.00		
	Total C.A. Expenditure for raising of CA		2.7	398493.00	
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:		2.7	Hact.	
b	Number of plants to be afforested per Hact.:		1100	Nos.	
c	Total number of plants including maintenance:		6831	Nos.	
d	Cost per plant		18.16	P/plant	
	Total Cost of plants		124051		
Total CA+ Cost of plants=			522544.00		
	Contingency Charges @5%		26127		
	Departmental Charges @ 17.5%		91445		
	GST @ 18% on cost of Fence Posts and B/Wire		11072		
	G. Total CA Scheme =		651188		

Approved

 Chief Conservator of Forest,
 Bilaspur Forest Circle,
 Bilaspur (H.P.)


 Divisional Forest Officer,
 Bilaspur Forest Division
 Bilaspur, HP.