

{COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for new plantation in Non-tribal areas (at wage rate of Rs. 350/- for non tribal areas)

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

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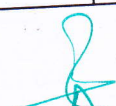
Sr. No.	Particulars Of Works	Unit	Qty	Rate per unit at the wage rate of 150/-	Manday's involved	Amount at wage rate of Rs. 350/- for Non-Tribal areas
A	SURVEY, DEMACATION & FENCING:-					
1	Survey & Demarcation of Plantion Area	Ha.	1	101.00	0.67	234.5
2	Prepration/ Purchase of RCC Fence Post	No.	50	525.00	0.00	26250
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	7815.5
4	Preparation/ Digging of Holes of 20x30x50 cm	No.	50	9.06	3.02	1057
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	2.39	836.5
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.75	73.65	0.74	259
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	8.00	2880
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	4.09	1431.5
9	Cost of Barbed wire	Qtl.	0.75	12128.00	0.00	9096
Total -A / Survey, Demarcation & Fencing:						49860.00
					Or Say	49900
B	PLANTING:-					
1	Bush Cutting in Strips (3mx3m)	Ha.	1	1192.80	7.95	2783
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	69.96	24486
3	Filling of Pits of 45x45x45 cm Size	No.	1100	2.72	19.95	6983
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1100	1.90	27.87	9755
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	15.99	5597
6	Consturction of Inspection Path	Rmt.	100	11.00	7.33	2566
7	Cost of Sign Board, Carriage& Fixing	No.	0	L/S	0.00	1000
Total - B/ Planting:						53170.00
					Or Say	53200
Total Fencing and Planting (A+B)						103100

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	3673
2	Filling of pits 45X45X45 cms	No	330	2.72	5.98	2095
3	Planting of Plants Raised in P/Bags	No	330	2.18	4.80	1679
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	330	1.90	8.36	2926
5	Repair of fencing	Rmt	60	1.80	0.72	252
Total 1st year maintenance						10625.00
						Or Say 10700
2nd year maintenance (20% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	220	4.77	7.00	2449
2	Filling of pits 45X45X45 cms	No	220	2.72	3.99	1396
3	Planting of Plants Raised in P/Bags	No	220	2.18	3.20	1120
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	220	1.90	5.57	1951
5	Repair of fencing	RMT	60	1.80	0.72	252
Total 2nd year maintenance						7168
						Or Say 7200
3rd year to 10th maintenance (10% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	110	4.77	3.50	1225
2	Filling of pits 45X45X45 cms	No	110	2.72	1.99	698
3	Planting of Plants Raised in P/Bags	No	110	2.18	1.60	560
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	110	1.90	2.79	975
5	Repair of fencing	RMT	60	1.80	0.72	252
Total 3rd year maintenance						3710
						Or Say 3800
1	4th year Maintenance					3800
2	5th year Maintenance					3800
3	6th year Maintenance					3800
4	7th year Maintenance					3800
5	8th year Maintenance					3800
6	9th year Maintenance					3800
7	10th year Maintenance					3800
Total (C) Maintenance cost for 10 years						48300
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		18200.00		
		(Year-11) 1st Maint. Of cleared areas		4900.00		

	(Year-III) 2nd Maint. Of cleared areas	2000.00		
	year-IV)-3rd Maint. Of cleared areas	2000.00		
	Total cost including Maint.	27100.00		
E	TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=		178500.00	
Full Title of the Project:				
Diversion of 3.9654 ha instead of 5.5334 hectare of forest land in favour of HPPWD for the construction of link road from Khal Tiba Km o/o to 7/0 within the jurisdiction of Bilaspur Forest Division.				
File No.:		FP/HP/Road/20681/2016		
Date of Proposal:				
"SCHEME FOR COMPENSATORY AFFORESTATION"				
1	Detail of degraded forest land/non-forest land:-			
	District	Bilaspur	Village	Dhangu
	Tehsil	Ghumarwin		
	Name of Division	Bilaspur	Range	Ghumarwin
	Block/Compartment	UPF Dhangu (Harlog block of Ghumarwin range)		
	Area to be afforested (in hac)		7.94	
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	103100	
	1 th Year	1.00	10700	
	2 nd Year	1.00	7200	
	3 rd Year	1.00	3800	
	4 th Year	1.00	3800	
	5 th Year	1.00	3800	
	6 th Year	1.00	3800	
	7 th Year	1.00	3800	

8th year	1.00	3800		
9th year	1.00	3800		
10th year	1.00	3800		
Total (A):-	1.00	151400		
(B) Cleaning of areas infested with invasive Alien Species upto 25%.				
Year	Area in Hact	Rate P/hac		
Year New	1.00	18200.00		
1 th Year	1.00	4900.00		
2 nd Year	1.00	2000.00		
3rd year	1.00	2000.00		
Total (B)		27100.00		
Gross Total for 1 Hact (A+B):-	1.00	178500.00		
Total C.A. Expenditure for raising of CA		7.94	1417290.00	
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:			7.94	Hact.
a	Area to be afforested:	1100		Nos.
b	Number of plants to be afforested per Hact.:	20088		Nos.
c	Total number of plants including maintenance:	21.18		P/plant
d	Cost per plant	425464		
	Total Cost of plants	1842754.00		
	Total CA+ Cost of plants=	92138		
	Contingency Charges @5%	322482		
	Departmental Charges @ 17.5%	50517		
	GST @ 18% on cost of Fence Posts and B/Wire	2307890		
	G. Total CA Scheme =			


 Divisional Forest Officer,
 Bilaspur Forest Division
 Bilaspur, HP.