

{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-
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

Total (C) Maintenance cost for 10 years			
Activity	Name of component	Non tribal Areas (Amt in Rs.	
Cleaning of areas infested with invasive Alien Species upto 75%	(Year-1)- Clearing of new areas	39200.00	
	(Year-II) 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.		
E	TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=		202900.00
Full Title of the Project:			
Diversion of 1.90 hectare of forest land for the construction of link road Bholi to Lower Bholi Gassour KM 0/0 to 2/500 within the jurisdiction of Bilaspur Forest Division.			
File No.:		FP/HP/Road/37475/2018	
Date of Proposal:		10.05.2022	
"SCHEME FOR COMPENSATORY AFFORESTATION"			

1 Detail of degraded forest land/non-forest land:-					
District		Bilaspur		Village	Illewal
Tehsil		Shree Naina Devi Ji			
Name of Division		Bilaspur	Range	Shree Naina Devi Ji	
Block/Compartment		UPF Illweal			
Area to be afforested (in hac)				3.80	
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 75%.					
	Year	Area in Hact	Rate P/hac		
	Year New	1.00	39200.00		
	1 th Year	1.00	8500.00		
	2 nd Year	1.00	5200.00		
	3rd year	1.00	5200.00		
	Total (B)		58100.00		
	Gross Total for 1 Hact (A+B):-	1.00	202900.00		
	Total C.A. Expenditure for raising of CA			3.80	771020.00
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:	3.8	Hact.
b	Number of plants to be afforested per Hact.:	1100	Nos.
c	Total number of plants including maintenance:	9614	Nos.
d	Cost per plant	21.18	P/plant
	Total Cost of plants	203625	
	Total CA+ Cost of plants=	974645.00	
	Tentative 10% Increase due to acceleration of wage rates in future	97464.50	
	G.Total	1072109.50	
	Contingency Charges @5%	53605	
	Departmental Charges @ 17.5%	187619	
	GST @ 18% on cost of Fence Posts and B/Wire	15584	
	G. Total CA Scheme =	2401027	

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