

{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)

CHECKLIST 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. 350/- for Non-Tribal areas
A	SURVEY, DEMACATION & FENCING:-					
1	Survey & Demarcation of Planton 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 75%	(Year-1)- Clearing of new areas	31615.00
	(Year-11) 1st Maint. Of cleared areas	6910.00
	(Year-III) 2nd Maint. Of cleared areas	4245.00
	year-IV)-3rd Maint. Of cleared areas	4245.00
Total cost including Maint.		47015.00

E TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)= **198415.00**

Full Title of the Project:

Diversion of 3.3438 hectare of forest land in favour of HPPWD for the Construction of link road Bassi Ghawandal KM 0/0 to 6/0 in Distt. Bilaspur HP

File No.:

FP/HP/Road/39140/2019

Date of Proposal:

3.10.2020

"SCHEME FOR COMPENSATORY AFFORESTATION"

1 Detail of degraded forest land/non-forest land:-

District	Bilaspur	Village	Dhalet
Tehsil	Naina Devi Ji		
Name of Division	Bilaspur	Range	Naina Devi Ji
Block/Compartment	DPF Dhalet		
Area to be afforested (in hac)			6.6876

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:

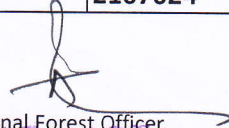
(A) Detail of yearwise break up of requirement of funds is as under

Year	Area in Hact	Rate P/hac
0 th Year Fencing & Planting	1.00	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 75%.				
Year	Area in Hact	Rate P/hac		
Year New	1.00	31615.00		
1 th Year	1.00	6910.00		
2 nd Year	1.00	4245.00		
3rd year	1.00	4245.00		
Total (B)		47015.00		
Gross Total for 1 Hact (A+B):-		1.00	198415.00	
Total C.A. Expenditure for raising of CA			6.6876	1326920.15
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			
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			
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:		6.6876	Hact.
b	Number of plants to be afforested per Hact.:		1100	Nos.
c	Total number of plants including maintenance:		16920	Nos.
d	Cost per plant		21.18	P/plant
Total Cost of plants			358366	
Total CA+ Cost of plants=			1685286.15	
Contingency Charges @5%			84264	
Departmental Charges @ 17.5%			294925	
GST @ 18% on cost of Fence Posts and B/Wire			42548	
G. Total CA Scheme =			2107024	

Approved


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


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