

{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)

CHECK LIST SERIAL NUMBER:18

FORM 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. 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
	3rd year to 10th maintenance (10% beating up of failures)			Or Say		6140

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-I)- Clearing of new areas	15650.00	
	(Year-II) 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 2.26 ha of forest land for construction of Kenderiya Vidyalya, Ghumarwin within jurisdiction of Bilaspur Forest Division.

File No.: FP/HP/SCH/19350/2016

Date of Proposal: 2.12.2016

"SCHEME FOR COMPENSATORY AFFORESTATION"

1	Detail of degraded forest land/non-forest land:-				
	District	Bilaspur	Village	Kalri	
	Tehsil	Naina Devi Ji			
	Name of Division	Bilaspur	Range	Naina Devi Ji	
	Block/Compartment	C-27 Kalri (DPF)			
	Area to be afforested (in hac)			4.52	
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	
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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		4.52	667106.80	


4 Technical details:


Technical details of Compensatory Afforestation Scheme are as follows:

- General Details: The area will be closed to improve the vegetation cover to enhance the moisture and water level
- Spacing: 3.00x3.00
- Species: Khair, Shisham, Chil and medical species i.e. Harar, Behra, Amla, Arjun Ritha, Jamun etc.
- Plantation Method: Triangular Planting/ Pit digging.
- Soil and Moisture Conservation Works: Small scale engineering work will be carried out to enhance the moisture and water level in the area.
- Protection (Fencing, Watch Man, People's Participation etc.):
- Proposed Monitoring Mechanism:- As per guidelines.
- Any other information:- Nil

Detail of Plants to be Planted:

a	Area to be afforested:	4.52	Hact.
b	Number of plants to be afforested per Hact:	1100	Nos.
c	Total number of plants including maintenance:	11436	Nos.
d	Cost per plant	18.16	P/plant
	Total Cost of plants	207678	
	Total CA+ Cost of plants=	874784.80	
	Contingency Charges @5%	43739	
	Departmental Charges @ 17.5%	153087	
	GST @ 18% on cost of Fence Posts and B/Wire	18535	
	G. Total CA Scheme =	1090147	

Approved

Chief Conservator of Forest.
 Bilaspur Forest C.
 Bilaspur (M.R.)


 Divisional Forest Officer,
 Bilaspur Forest Division
 Bilaspur, HP.