

{COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for <i>Modal : 1000 Plants per hectare- Activity-wise calculations)</i>							
CHECK LIST SERIAL NUMBER:18							
Sr. No.	Particulars Of Works	Unit	Qty	Rate per unit at the wage rate of 150/-	Amount @ Rs. 150/- for Non-Tribal areas	Manday's involved	Amount at wage rate of Rs. 275/- for Non-Tribal areas
A	SURVEY, DEMACATION & FENCING:-						
1	Survey & Demarcation of Plantion Area	Ha.	1	101.00	101.00	0.67	185.17
2	Prepration/ Purchase of RCC Fence Post	No.	50	358.00	12500.00	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	3350.00	22.33	6141.67
4	Preparation/ Digging og Holes of 20x30x50 cm	No.	50	9.06	453.00	3.02	830.5
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	656.33
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qty.	0.75	73.65	110.48	0.74	202.54
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	5280
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	613.50	4.09	1124.75
9	Cost of Barbed wire	Qty.	0.75	6510.00	4882.50	0.00	4882
Total -A / Survey, Demarcation & Fencing:							37202.96
						Or Say	37200
B	PLANTING:-						
1	Bush Cutting in Strips (3mx3m)	Ha.	1	1192.80	1192.80	7.95	2186.8
2	Digging of Pits of 45x45x45 cm Size	No.	1000	9.54	9540.00	69.96	19239
3	Filling of Pits of 45x45x45 cm Size	No.	1000	2.72	2720.00	19.95	5485.33
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1000	1.90	4180.00	27.87	7663.33

5	Planting of Plants Raised in P/Bags	No.	1000	2.18	2180.00	15.99	4396.33
6	Construction of Inspection Path	Rmt.	100	11.00	1100.00	7.33	2016.67
7	Cost of Sign Board, Carriage & Fixing	No.	0	L/S	450.00	0.00	450
Total - B/ Planting:							41437.46
						Or Say	41440
Total Fencing and Planting (A+B)							78640

Norms for Maintenance of Old Plantation in Non-Tribal Areas for 2020-21

C	MAINTENANCE						
1st year maintenance (30% beating up of failures)							
1	Re - Digging of pits 45X45X45 cms	No	300	4.77	1431.00	10.49	2885.85
2	Filling of pits 45X45X45 cms	No	300	2.72	816.00	5.98	1645.6
3	Planting of Plants Raised in P/Bags	No	300	2.18	719.40	4.80	1318.9
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	300	1.90	1254.00	8.36	2299
5	Repair of fencing	Rmt	60	1.80	108.00	0.72	198
Total 1st year maintenance							8347.35
Or Say							8350
2nd year maintenance (20% beating up of failures)							
1	Re - Digging of pits 45X45X45 cms	No	200	4.77	954.00	7.00	1923.9
2	Filling of pits 45X45X45 cms	No	200	2.72	544.00	3.99	1097.07
3	Planting of Plants Raised in P/Bags	No	200	2.18	479.60	3.20	879.27
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	200	1.90	836.00	5.57	1532.67
5	Repair of fencing	RMT	60	1.80	108.00	0.72	198
Total 2nd year maintenance							5630.91
Or Say							5630
3rd year to 10th maintenance (10% beating up of failures)							
1	Re - Digging of pits 45X45X45 cms	No	100	4.77	477.00	3.50	961.95
2	Filling of pits 45X45X45 cms	No	100	2.72	272.00	1.99	548.53
3	Planting of Plants Raised in P/Bags	No	100	2.18	239.80	1.60	439.63

4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	100	1.90	418.00	2.79	766.33
5	Repair of fencing	RMT	60	1.80	108.00	0.72	198
	Total 3rd year maintenance						2914.44
						Or Say	2915
1	4th year Maintenance						2915
2	5th year Maintenance						2915
3	6th year Maintenance						2915
4	7th year Maintenance						2915
5	8th year Maintenance						2915
6	9th year Maintenance						2915
7	10th year Maintenance						2915
	Total (C) Maintenance cost for 10 years						37300

D	Activity	Name of component	Non tribal Areas (Amt in Rs.)	Remarks
	Cleaning of areas infested with invasive Alien Species upto 50%	(Year-1)- Clearing of new areas	23000.00	Norms include:- i) Cutting/removal/disposal of Lantana (CRS method) ii) Cleaning of Lantana (sprouts) and seeding one time after first cut for new areas. (iii) Cleaning of Lantana (Sprouts) and seedlings three times through out the year for maint. Of areas. (iv)-Broadcast sowing of grass seed. (v) Tending operations. (vi) Contingencies for tools, photos, documentation, work shops etc.
		(Year-11) 1st Maint. Of cleared areas	5500.00	
		(Year-III) 2nd Maint. Of cleared areas	2800.00	
		year-IV)-3rd Maint. Of cleared areas	2800.00	
	Total cost including Maint.		34100.00	
E	TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=			150040.00

Full Title of the Project:

Diversion of 2.178 hectare of forest land in favour of HPPWD for the construction of link road from Panyala to Tiun Khas Km 0/0 to 5/500 within the jurisdiction of Bilaspur Forest Division.

File No.:

FP/HP/Road/20153/2016

Date of Proposal:

01.07.2016

"SCHEME FOR COMPENSATORY AFFORESTATION"

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

District	Bilaspur	Village	Sadiar
----------	----------	---------	--------

Tehsil	Ghumarwin		
Name of Division	Bilaspur	Range	Ghumarwin
Block/Compartment	DPF Sadiar Compartment No. H43E11		
Area to be afforested (in hac)	4.356		

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 loam 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	Total
0 th Year Fencing & Planting	1.00	78640	78640
1 st Year	1.00	8350	8350
2 nd Year	1.00	5630	5630
3 rd Year	1.00	2915	2915
4 th Year	1.00	2915	2915
5 th Year	1.00	2915	2915
6 th Year	1.00	2915	2915
7 th Year	1.00	2915	2915
8th year	1.00	2915	2915
9th year	1.00	2915	2915
10th year	1.00	2915	2915
Total (A):-	1.00		115940

(B) Cleaning of areas infested with invasive Alien Species upto 50%.

Year	Area in Hact	Rate P/hac	Total Amount
Year New	1.00	23000.00	23000
1 st Year	1.00	5500.00	5500
2 nd Year	1.00	2800.00	2800
3rd year	1.00	2800.00	2800
Total (B)			34100
Gross Total for 1 Hact (A+B):-	1.00		150040

Proposal for land diversion		Diversion of 2.178 hectare of forest land in favour of HPPWD for the construction of link road from Panyala to Tiun Khas Km 0/0 to 5/500 within the jurisdiction of Bilaspur Forest Division.	
Total C.A. Expenditure for raising of CA		4.356	653574
4 Technical details:			
Technical details of Compensatory Afforestation Scheme are as follows:			
a)	General Details: The area will be closed to imporve 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:	4.356	Hact.
b)	Number of plants to be afforested per Hact.:	1000	Nos.
c)	Total number of plants including maintenance:	10019	Nos.
d)	Cost per plant	16.84	P/plant
Total Cost of plants		168720	
Total CA+ Cost of plants=		822294.00	
Contingency Charges @5%		41115	
Departmental Charges @ 17.5%		143901	
GST @ 18% on cost of Fence Posts and B/Wire		17863	
G. Total CA Scheme =		1025173	

Approved

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

Divisional Forest Officer,
Bilaspur Forest Division,
Distt. Bilaspur (H.P.)