

**Himachal Pradesh State CAMPA**

**{COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for new plantation in Non-tribal areas for 2018-19**

*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/-	Amount @ Rs. 150/-for Non-Tribal areas	Manday's involved	Amount at wage rate of Rs. 225/- for Non-Tribal areas	
<b>A</b>	<b>SURVEY, DEMACATION &amp; FENCING:-</b>							
1	Survey & Demarcation of Plantion Area	Ha.	1	101.00	101.00	0.67	151.50	
2	Prepration/ Purchase of RCC Fence Post	No.	50	250.00	12500.00	0.00	12500	
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	5025	
4	Preparation/ Digging og Holes of 20x30x50 cm	No.	50	9.06	453.00	3.02	679.5	
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537	
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.75	73.65	110.48	0.74	165.71	
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320	
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	613.50	4.09	920.25	
9	Cost of Barbed wire	Qtl.	0.75	6510.00	4882.50	0.00	4882	
<b>Total -A / Survey, Demarcation &amp; Fencing:</b>								<b>29180.96</b>
							<b>Or Say</b>	<b>29200</b>
<b>B</b>	<b>PLANTING:-</b>							
1	Bush Cutting in Strips (3mx3m)	Ha.	1	1192.80	1192.80	7.95	1789.2	
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	10494.00	69.96	15741	
3	Filling of Pits of 45x45x45 cm Suze	No.	1100	2.72	2992.00	19.95	4488	
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1100	1.90	4180.00	27.87	6270	
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	2398.00	15.99	3597	
6	Consturction of Inspection Path	Rmt.	100	11.00	1100.00	7.33	1650	
7	Cost of Sign Board, Carriage& Fixing	No.	0	L/S	450.00	2.00	450	
<b>Total - B/ Planting:</b>								<b>33985.20</b>
							<b>Or Say</b>	<b>34000</b>
<b>Total Fencing and Planting (A+B)</b>								<b>63200</b>

### Norms for Maintenance of Old Plantation in Non-Tribal Areas for 2018-19

MAINTENANCE							
<b>1st year maintenance (30% beating up of failures)</b>							
1	Re - Digging of pits 45X45X45 cms	No	330	4.77	1574.10	10.49	2361.15
2	Filling of pits 45X45X45 cms	No	330	2.72	897.60	5.98	1346.4
3	Planting of Plants Raised in P/Bags	No	330	2.18	719.40	4.80	1079.1
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	330	1.90	1254.00	8.36	1881
5	Repair of fencing	Rmt	60	1.80	108.00	0.72	162
<b>Total 1st year maintenance</b>							<b>6829.65</b>
							<b>Or Say 6850</b>
<b>2nd year maintenance (20% beating up of failures)</b>							
1	Re - Digging of pits 45X45X45 cms	No	220	4.77	1049.40	7.00	1574.1
2	Filling of pits 45X45X45 cms	No	220	2.72	598.40	3.99	897.6
3	Planting of Plants Raised in P/Bags	No	220	2.18	479.60	3.20	719.4
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	220	1.90	836.00	5.57	1254
5	Repair of fencing	RMT	60	1.80	108.00	0.72	162
<b>Total 2nd year maintenance</b>							<b>4607.1</b>
							<b>Or Say 4600</b>
<b>3rd year to 10th maintenance (10% beating up of failures)</b>							
1	Re - Digging of pits 45X45X45 cms	No	110	4.77	524.70	3.50	787.05
2	Filling of pits 45X45X45 cms	No	110	2.72	299.20	1.99	448.8
3	Planting of Plants Raised in P/Bags	No	110	2.18	239.80	1.60	359.78
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	110	1.90	418.00	2.79	627
5	Repair of fencing	RMT	60	1.80	108.00	0.72	162
<b>Total 3rd year maintenance</b>							<b>2384.63</b>
							<b>Or Say 2400</b>
1	4th year Maintenance						2400
2	5th year Maintenance						2400
3	6th year Maintenance						2400
4	7th year Maintenance						2400
5	8th year Maintenance						2400
6	9th year Maintenance						2400
7	10th year Maintenance						2400
<b>Total (C) Maintenance cost for 10 years</b>							<b>30650</b>

Activity	Name of component	Non tribal Areas (Amt in Rs.)	Remarks
Cleaning of areas infested with invasive Alien Species upto 75%.	(Year-1)- Clearing of new areas	23700.00	<b>Norms include:-</b> 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 seedings 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-II) 1st Maint. Of cleared areas	5200.00	
	(Year-III) 2nd Maint. Of cleared areas	3200.00	
	year-IV)-3rd Maint. Of cleared areas	3200.00	
Total cost including Maint.		35300.00	35300
<b>E</b>	<b>TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=</b>		<b>129150.00</b>

**Full Title of the Project:**

*Diversion of 40.5084 Hact forest land for the construction of AIIMS at Kothipura in favour of ADM-cum- Dy. Director (Admin) AIIMS within the jurisdiction of Bilaspur Forest Division, Distt. Bilaspur,HP*

File No.:	FP/HP/DISP/35397/2018
Date of Proposal:	26.08.2018

**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detail scheme for Compensatory Afforestation to be carried out in lieu of 40.5084 Hact forest land for the construction of AIIMS at Kothipura in favour of ADM-cum- Dy. Director (Admin) AIIMS within the jurisdiction of Bilaspur Forest Division, Distt. Bilaspur,HP

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

District	Bilaspur	Village	
Tehsil	Sadar		
Name of Forest Division	Bilaspur	Range	Sadar, Swarghat & Naina Devi Ji
Block/Compartment	(15 patches) i.e. DPF Baryance =7 & 7 hac (14 hac), DPF Kuddi = 7&8 (15 hac), UPF Parnali= 6 & 1.5hac (7.5hac), UF Nai Sarli= 2.5 hac, DPF Chamyon=5 & 5 (10hac) (total 49 hac) of Sadar range, UF Behal= 6, 5 & 5 hac (16hac) of Swarghat range, UF Jandori =5 & 5 (10 hac) & UF Lehri 7hac (17 hac) of Naina Devi Ji range.		

Area to be afforested (in Hact.) 81.0168 or say 82 hac

82

**2 Description of area:**

(i) Whether the site selected for Compensatory

**YES**

	If the CA site is other than the land blank, reasons	N.A.
(i)	In case of non forest area identified for CA, then	N.A.
(iv)	Soil Type:	<b>Sandy loom mixed with rocky strata</b>
(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 <sup>th</sup> Year Fencing & Planting	1.00	63200	63200
1 <sup>th</sup> Year	1.00	6850	6850
2 <sup>nd</sup> Year	1.00	4600	4600
3 <sup>rd</sup> Year	1.00	2400	2400
4 <sup>th</sup> Year	1.00	2400	2400
5 <sup>th</sup> Year	1.00	2400	2400
6 <sup>th</sup> Year	1.00	2400	2400
7 <sup>th</sup> Year	1.00	2400	2400
8th year	1.00	2400	2400
9th year	1.00	2400	2400
10th year	1.00	2400	2400
<b>Total (A):-</b>	<b>1.00</b>		<b>93850</b>

#### (B) Cleaning of areas infested with invasive Alien Species upto 75%.

Year	Area in Hact	Rate P/hac	Total Amount
Year New	1.00	23700	23700
1 <sup>th</sup> Year	1.00	5200	5200
2 <sup>nd</sup> Year	1.00	3200	3200
3rd year	1.00	3200	3200
<b>Total (B):-</b>	<b>1.00</b>		<b>35300</b>
<b>Gross Total for 1 Hact (A+B):-</b>	<b>1.00</b>	<b>0</b>	<b>129150</b>

### Proposal for land diversion = 40.5084 hac

Total C.A. Expenditure for raising of CA over an area of 81.0168 hac or say 82 hac.	82	10590300
Contingency Charges @5%		529515
Departmental Charges @ 17.5%		1853303
GST @ 18% on cost of Fence Posts and B/Wire		256558
<b>Grant Total of CA including taxes</b>		<b>13229676</b>

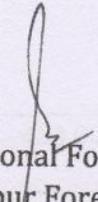
### 5 Technical details:

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

	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	
	<b>Detail of Plants to be Planted:</b>	
	Area to be afforested:	82 Hact.
	Number of plants to be afforested per Hact.:	1100 Nos.
	Total number of plants including maintenance:	211970 Nos.
	Cost of plants @ Rs. 14.19 P/plant	3007854
	<b>Total financial outlay of CA Scheme (In Rs.):-</b>	<b>16237530</b>

Approved  
  
 26/08/18  
 Conservator of Forests  
 Bilaspur Forest Circle  
 Bilaspur-174001

  
 Divisional Forest Officer,  
 Bilaspur Forest Division,  
 Distt. Bilaspur, HP