

No. Ft. State CAMPA/20210/Norms/Vol.II/ Dated: Shimla-1, the

23 MAY 2020

From: Pr. CCF (HoFF) H.P. Shimla. To: 1 Pr. CCF (Wildlife) HP Shimla.
2 All Chief Project Directors in HP
3 All CCFs/CFs/DFOs (T & WL) in HP

Subject: Norms for plantations and maintenance of old plantations for Non-Tribal and Tribal Areas for the year 2020-21.

Memorandum:

The norms for undertaking new plantations, maintenance of old plantations and lantana eradication under the sectors of Compensatory Afforestation, CAT Plans and NPV of State Authority (CAMPA) in Non-Tribal, Tribal-I & Tribal-II (Keylong and Jhalma Ranges of Lahaul Forest Division) areas for the year 2020-21 are sent herewith. The norms have been prepared taking into account the increased wage rate of Rs. 275/- per day. Consequent upon the delinking of nurseries from plantations, the norms have been fixed separately for plantations. The norms for raising plants in the nurseries stand already conveyed to you.

2 It is clarified that the areas of lantana infestation cleared under NPV will be taken up for planting of tall plants either @ 500 tall plants or @ 200 tall plants per hectare as per the site requirement. The norms in respect of both these models of plantations indicate the upper limit. The actual expenditure for fencing and planting may be restricted to 80% of the upper limit without reducing the number of plants to be planted. However, plantations in some lantana eradicated areas may be done with the normal plants @ 1100 or @ 800 plants per hectare as per site requirement provided that the same is technically approved by the concerned Controlling Officers (CCFs/CFs).

3 It is, therefore, requested that the works of new plantations, maintenance of old plantations and lantana eradication activities may be executed as per norms approved for the year 2020-21. Any deviation will be viewed seriously.

Encl: As above/

23. 5. 2020
Pr. Chief Conservator of Forests (HoFF)
Himachal Pradesh.

O/C
F. S. S.
23/5/20

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HP State Compensatory Afforestation Fund Management & Planning Authority
(HP State Authority), Aranya-Bhawan, Talland, Shimla - 171 001.
Phone No. 0177-2623457; 2629750; email: hpstatecampa@gmail.com

Endst. No. As above/

Dated: Shimla-1, the 23 MAY 2020

Copy alongwith copy of norms for 2020-21 is forwarded to:

- 1 Pr. CCF (Finance) Shimla, Addl. Pr.CCF (R&T) Sundernagar and Addl. Pr.CCF (M&E) Shimla.
- 2 CCF (IT) Shimla with the request to get the norms for 2020-21 uploaded on HPFD website.

Encl: As above/

8 23.5.2020
Pr. Chief Conservator of Forests (HoFF),
Himachal Pradesh.

o/c

Tejpal
23/5/20

HIMACHAL PRADESH STATE Authority CAMPA

**Scheme-Wise Norms for New Plantations and Maintenance of old Plantations in Non-Tribal and Tribal Areas for 2020-21
(At the wage Rate of Rs. 275/- for Non Tribal and Rs. 343.75/- For Tribal Areas)**

Sr. No.	Name of Scheme	Name of Component	Norms for 2020-21			Remarks
			Non -Tribal Areas	Tribal -I Areas	Tribal-II (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
1	NORMS FOR COMPENSATORY AFFORESTATION EXCLUDING NURSRY COST					
1	Compensatory Afforestation (1100 Plants/Ha.) - Fencing With RCC Fence Posts	FENCING	37200	40810	NA	Norms include:- -4 strand b/wire fencing with RCC Fence Posts. -Interlacing of thorny bushes. -Bush cutting in strips of 3mx3m. - Digging & Filling of pits of of 45x 45x45 cms size. - Planting of 1100 P/bag raised plants. -C/o inspeciton Path. -Fixing of sign board.
		PLANTING	41440	51690	NA	
		Total	78640	92500		
		Maintenance				
		Ist Year Maintenance	8350	10420	NA	
		2nd Year Maintenance	5630	7030	NA	
		3rd to 10th Year Maint.	2915	3645	NA	
2	Compensatory Afforestation (1100 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING				Norms include:- -4 strand b/wire fencing with Wooden Fence Posts. -Interlacing of thorny bushes. -Bush cutting in strips of 1 to 2 mtrs with 3 Mtr spacing. - Digging & Filling of pits of of 45x 45x45 cms size. - Planting of 1100 P/bag raised plants. -C/o inspeciton Path. -Fixing of sign board.
		PLANTING				
		Total				
		Maintenance				
		Ist Year Maintenance				
		2nd Year Maintenance				
		3rd to 10th Year Maint.				
3	Compensatory Afforestation (1100 Plants/Ha.) - Fencing with Stone Wall	FENCING				Norms include: -Fencing with Stone wall (0.5mx1.5m). - Digging & Filling of pits of of 45x 45x45 cms size. - Planting of 1100 P/bag raised plants. -C/o Inspeciton Path. -Fixing of sign board. - Maint. includes irrigation of Plants.
		PLANTING				
		Total				
		Maintenance				
		Ist Year Maintenance				
		2nd Year Maintenance				
		3rd Year Maintenance				
4th to 10th Year Maint.						

Adopt Departmental Norms

Note: Under Compensatory Afforestation, the maintenance of old plantations is applicable for 10 years.

HIMACHAL PRADESH STATE Authority CAMPA						
Scheme-Wise Norms for New Plantations and Maintenance of old Plantations in Non-Tribal and Tribal Areas for 2020-21 (At the wage Rate of Rs. 275/- for Non Tribal and Rs. 343.75/- For Tribal Areas)						
Sr. No.	Name of Scheme	Name of Component	Norms for 2020-21			Remarks
			Non -Tribal Areas	Tribal -I Areas	Tribal-II (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
1	NORMS FOR COMPENSATORY AFFORESTATION EXCLUDING NURSRY COST					
1	Compensatory Afforestation (1100 Plants/Ha.) - Fencing With RCC Fence Posts	FENCING	37200	40810	NA	Norms include:- -4 strand b/wire fencing with RCC Fence Posts. -Interlacing of thorny bushes. -Bush cutting in strips of 3mx3m. - Digging & Filling of pits of of 45x 45x45 cms size. - Planting of 1100 P/bag raised plants. -C/o inspeciton Path. -Fixing of sign board.
		PLANTING	41440	51690	NA	
		Total	78640	92500		
		Maintenance				
		1st Year Maintenance	8350	10430	NA	
		2nd Year Maintenance	5630	7030	NA	
		3rd to 10th Year Maint.	2915	3644	NA	
2	Compensatory Afforestation (1100 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	Adopt Departmental Norms			Norms include:- -4 strand b/wire fencing with Wooden Fence Posts. -Interlacing of thorny bushes. -Bush cutting in strips of 1 to 2 mtrs with 3 Mtr spacing. - Digging & Filling of pits of of 45x 45x45 cms size. - Planting of 1100 P/bag raised plants. -C/o inspeciton Path. -Fixing of sign board.
		PLANTING				
		Total				
		Maintenance				
		1st Year Maintenance				
		2nd Year Maintenance				
		3rd to 10th Year Maint.				
3	Compensatory Afforestation (1100 Plants/Ha.) - Fencing with Stone Wall	FENCING	Adopt Departmental Norms			Norms include: -Fencing with Stone wall (0.5mx1.5m). - Digging & Filling of pits of of 45x 45x45 cms size. - Planting of 1100 P/bag raised plants. -C/o Inspeciton Path. -Fixing of sign board. - Maint. includes irrigation of Plants.
		PLANTING				
		Total				
		Maintenance				
		1st Year Maintenance				
		2nd Year Maintenance				
		3rd Year Maintenance				
4th to 10th Year Maint.						

Note: Under Compensatory Afforestation, the maintenance of old plantations is applicable for 10 years.

Sr.No.	Name of Scheme	Name of Component	Norms for 2020-21			Remarks
			Non Tribal Areas	Tribal-I Areas	Tribal-II Areas (Keylong & Jhalma Ranges of Lahaul Division)	
II NORMS FOR PLANTATIONS UNDER CAT PLANS EXCLUDING NURSRY COST						
1	Afforestation (1100 plants/ha.) - Fencing with RCC Fence Posts	FENCING	37200	40810	NA	Norms include:- -4 strand b/wire fencing with RCC Fence Posts. -Interlacing of thorny bushes. - Digging & Filling of 550 Pits of 45x 45x45 cms. - Digging & Filling of 550 Pits of 30x 30x30cms. - Planting of 550 P/bag raised plants. - Planting of 550 naked roots Plants. -Bush cutting in strips of 3m x3m -C/o inspection path. -Fixing of sign board.
		PLANTING	32150	40080	NA	
		Total	69350	80890		
		Maintenance				
		1st year Maintenance	6280	7850	NA	
		2nd year Maintenance	4250	5320	NA	
		3rd to 5th year Maint.	2225	2780	NA	
2	Afforestation/ Energy Plantation/ Timber Plantation/ Fuel & Fodder Plantation (1100 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	Adopt Departmental Norms	Adopt Departmental Norms	Adopt Departmental Norms	Norms include:- -4 strand b/wire fencing with Wooden Fence Posts. -Interlacing of thorny bushes. - Digging & Filling of 550 Pits of 45x 45x45 cms. - Digging & Filling of 550 Pits of 30x 30x30cms. - Planting of 550 P/bag raised plants. - Planting of 550 naked roots Plants. -Bush cutting in strips of 3m x3m -C/o inspection path. -Fixing of sign board.
		PLANTING				
		Total				
		Maintenance				
		1st year Maintenance				
		2nd year Maintenance				
		3rd to 5th year Maint.				
3	Enrichment/ Replenishment Plantation (800 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	Adopt Departmental Norms	Adopt Departmental Norms	Adopt Departmental Norms	Norms include:- -4 strand b/wire fencing with Wooden Fence Posts. -Interlacing of thorny bushes. - Digging & Filling of 400 Pits of 45x 45x45 cms. - Digging & Filling of 400 Pits of 30x 30x30cms. - Planting of 400 P/bag raised plants. - Planting of 400 naked roots Plants. -Bush cutting in strips of 3m x3m -C/o inspection path. -Fixing of sign board.
		PLANTING				
		Total				
		Maintenance				
		1st year Maintenance				
		2nd year Maintenance				
		3rd to 5th year Maint.				

Sr.No.	Name of Scheme	Name of Component	Norms for 2020-21			Remarks
			Non Tribal Areas	Tribal-I Areas	Tribal-II Areas (Keylong & Jhalma Ranges of Lahaul Division)	
4	Assisted Natural Regeneration (ANR) Plantation (250 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	Adopt Departmental Norms			Norms include:- -4 strand b/wire fencing with Wooden Fence Posts. -Interlacing of thorny bushes. - Digging & Filling of 125 Pits of 45x 45x45 cms. - Digging & Filling of 125 Pits of 30x 30x30cms. - Planting of 125 P/bag raised plants. - Planting of 125 naked roots Plants. -Bush cutting/ Cultural Operations.
PLANTING						
Total						
Maintenance						
1st year Maintenance						
2nd year Maintenance						
3rd to 5th year Maint.						
5	Medicinal/NTFP Plantation					
i	Shrubs/Perennial Herbs Plantation (4400 Plants/Ha.)	Fencing Cost	0	0		Norms include: - -Preparing, Digging & filling of 1100 patches. -Planting 4400 plants in patches@ 4 plants/patch. - Bush cutting in strips/ patches.
		Planting Cost	60130	75300	NA	
		Maintenance			NA	
		1st year Maintenance	6270	7810	NA	
		2nd year Maintenance	5027	6270	NA	
3rd year Maintenance	3717	4620	NA			
ii	Herb Plantation (13200 Plants/Ha.)	Fencing Cost	0	0	NA	Norms include: - -Preparing, Digging & filling of 1100 patches. -Planting 13200 plants in patches @ 12 plants/patch. - Bush cutting in strips/ patches.
		Planting Cost	89940	113050	NA	
		Maintenance			NA	
		1st year Maintenance	6270	7810	NA	
		2nd year Maintenance	5060	6160	NA	
3rd year Maintenance	3850	4620	NA			

COMPENSATORY AFFORESTATION - FENCING WITH RCC FENCE POSTS
Norms for New Plantation in Non-Tribal & Tribal Areas for 2020-21 w.e.f. 01.04.2020
 (Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty.	Rate per Unit at the wage rate of Rs. 150/-	Amount @ Rs. 150/- for Non-Tribal areas	Mandays involved	Amount at the wage rate of Rs. 275/- for Non-Tribal areas	Amount at the wage rate of Rs. 343.75/- for Non-Tribal areas
A	SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	185.17	231.46
2	Preparation / Purchase of RCC Fence Post	No.	50	358.00	12500.00	0.00	17900.00	17900.00
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2 km uphill/downhill	KM/No.	50	33.5	3350.00	22.33	6141.67	7677.08
4	Preparation /Digging of Holes of 20x30x50 cm size	No.	50	9.06	453.00	3.02	830.50	1038.13
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	656.33	820.42
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qt.	0.75	73.65	110.48	0.74	202.54	253.17
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	5280.00	6600.00
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	613.50	4.09	1124.75	1405.94
9	Cost of Barbed Wire	Qt.	0.75	6510	4882.50	0.00	4882.00	4882.00
Total -A/Survey, Demarcation & Fencing:							37202.95	40808.19
Or Say							37200	40810
B.	PLANTING:-							
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	2186.80	2733.50
2	Digging of Pits of 45x45x45cm Size	No.	1100	9.54	10494.00	69.96	19239.00	24048.75
3	Filling of Pits of 45x45x45 cm size	No.	1100	2.72	2992.00	19.95	5485.33	6856.67
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1100	1.9	4180.00	27.87	7663.33	9579.17
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	2398.00	15.99	4396.33	5495.42
6	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	2016.67	2520.83
7	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							41437.47	51684.33
Or Say							41440	51690
Grand Total (A+B):							78640	92500

Pr. Chief Conservator of Forests (HoFF), Himachal Pradesh

23.5.2020

Himachal Pradesh State Authority CAMPA								
COMPENSATORY AFFORESTATION - FENCING WITH RCC FENCE POSTS								
Norms for Maintenance of old Plantations in Non-Tribal & Tribal Areas for 2020-21 w.e.f. 01.04.2020 (Model: 1100 Plants per Hectare - Activity-wise Calculations)								
Sr. No.	Particulars of Works	Unit	Quantity	Rate per Unit at the wage rate of Rs.150/-	Amount at wage rate of Rs.150/- for Non-Tribal areas	Mandays involved	Amount at the wage rate of Rs. 275/- for Non-Tribal areas	Amount at the wage rate of Rs. 343.75/- for Non-Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	330	4.77	1574.10	10.49	2885.85	3607.31
2	Filling of Pits 45x45x45 cm	No.	330	2.72	897.60	5.98	1645.60	2057.00
3	Planting of Plants raised in P/Bags	No.	330	2.18	719.40	4.80	1318.90	1648.63
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	KM/ No.	330	1.9	1254.00	8.36	2299.00	2873.75
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.50
Total/1st Year Maintenance:							8347.35	10434.19
Or Say							8350	10430
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	220	4.77	1049.40	7.00	1923.90	2404.88
2	Filling of Pits 45x45x45 cm	No.	220	2.72	598.40	3.99	1097.07	1371.33
3	Planting of Plants raised in P/Bags	No.	220	2.18	479.60	3.20	879.27	1099.08
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	No.	220	1.9	836.00	5.57	1532.67	1915.83
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.50
Total/2nd Year Maintenance:							5630.90	7038.63
Or Say							5630	7030
3rd to 10th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	961.95	1202.44
2	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	548.53	685.67
3	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	439.63	549.54
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	No.	110	1.9	418.00	2.79	766.33	957.92
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.50
Total/3rd Year Maintenance:							2914.45	3643.06
Or Say							2915	3644
<p>8/23.5.2020</p> <p>Pr. Chief Conservator of Forests (HOFF), Himachal Pradesh</p>								

Himachal Pradesh State Authority CAMPA

PLANTATIONS UNDER CAT PLANS - FENCING WITH RCC FENCE POSTS

Norm for **NEW PLANTATION** in Non-Tribal & Tribal Areas for 2020-21

(Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty.	Rate per Unit at the wage rate of Rs.150/-	Amount at wage rate of Rs. 150/- for Non-Tribal areas	Mandays involved	Amount at wage rate of Rs. 275/- for Non-Tribal areas	Amount at wage rate of Rs. 343.75/- for Tribal areas
A SURVEY, DEMARCATION & FENCING:-								
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	185.17	231.46
2	Preparation / Purchase of RCC Fence Post	No.	50	358.00	12500.00	0.00	17900.00	17900.00
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2 km uphill/downhill	KM/No.	50	33.5	3350.00	22.33	6141.67	7677.08
4	Preparation /Digging of Holes of 20x30x50 cm size	No.	50	9.06	453.00	3.02	830.50	1038.13
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	656.33	820.42
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.8	73.65	110.48	0.74	202.54	253.17
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	5280.00	6600.00
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	613.50	4.09	1124.75	1405.94
9	Cost of Barbed Wire	Qtl.	0.8	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							37203.45	40808.69
Or Say							37200	40810
B. PLANTING:-								
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	2186.80	2733.50
2	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	9619.50	12024.38
3	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	4809.75	6012.19
4	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	2742.67	3428.33
5	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	1925.92	2407.40
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	550	1.9	2090.00	13.93	3831.67	4789.58
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	550	0.26	286.00	1.91	524.33	655.42
8	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	2198.17	2747.71
9	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	1845.25	2306.56
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	2016.67	2520.83
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							32150.72	40075.90
Or Say							32150	40080
Grand Total (A+B):							69350	80890

23.5.2020

Pr. Chief Conservator of Forests (HoFF), Himachal Pradesh

PLANTATIONS UNDER CAT PLANS - FENCING WITH RCC FENCE POSTS
Norm for MAINTENANCE OF OLD PLANTATIONS in Non-Tribal & Tribal Areas for 2020-21
 (Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of Rs.150/-	Amount at wage rate of Rs. 150/- for Non-Tribal areas	Mandays involved	Amount at wage rate of Rs. 250/- for Non-Tribal areas	Amount at wage rate of Rs. 312/- for Tribal areas	Amount at wage rate of Rs. 275/- for Non-Tribal areas	Amount at wage rate of Rs. 343.75/- for Tribal areas	
1st YEAR MAINTENANCE (30 % BEATING UP):											
1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1311.75	1637.06	1442.93	1803.66	
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	654.50	816.82	719.95	899.94	
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	748.00	933.50	822.80	1028.50	
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	525.25	655.51	577.78	722.22	
5	Planting of Plants raised in P/Bags	No.	165	2.18	359.70	2.40	599.50	748.18	659.45	824.31	
6	Planting of Plants with naked roots	No.	165	1.83	301.95	2.01	503.25	628.06	553.58	691.97	
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	165	1.9	627.00	4.18	1045.00	1304.16	1149.50	1436.88	
8	Carriage of naked root plants over a distance 2 Km up/downhill	KM/No.	165	0.26	85.80	0.57	143.00	178.46	157.30	196.63	
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64	198.00	247.50	
Total/1st Year Maintenance:								5710.25	7126.39	6281.28	7851.59
Or Say								5700	7100	6280	7850
2nd YEAR MAINTENANCE (20 % BEATING UP):											
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	874.50	1091.38	961.95	1202.44	
2	Re-digging of Pits 30x30x30cm	No.	110	2.38	261.80	1.75	436.33	544.54	479.97	599.96	
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	498.67	622.34	548.53	685.67	
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	350.17	437.01	385.18	481.48	
5	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	399.67	498.78	439.63	549.54	
6	Planting of Plants with naked roots	No.	110	1.83	201.30	1.34	335.50	418.70	369.05	461.31	
7	Carriage of Plants in P/Bags over a distance of 2 Km up/downhill	No.	110	1.9	418.00	2.79	696.67	869.44	766.33	957.92	
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	95.33	118.98	104.87	131.08	
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64	198.00	247.50	
Total/2nd Year Maintenance:								3866.83	4825.81	4253.52	5316.90
Or Say								3850	4800	4250	5320
3rd to 5th YEAR MAINTENANCE (10 % BEATING UP):											
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	437.25	545.69	480.98	601.22	
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	218.17	272.27	239.98	299.98	
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	249.33	311.17	274.27	342.83	
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	175.08	218.50	192.59	240.74	
5	Planting of Plants raised in P/Bags	No.	55	2.18	119.90	0.80	199.83	249.39	219.82	274.77	
6	Planting of Plants with naked roots	No.	55	1.83	100.65	0.67	167.75	209.35	184.53	230.66	
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	348.33	434.72	383.17	478.96	
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	47.67	59.49	52.43	65.54	
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64	198.00	247.50	
Total/3rd Year Maintenance:								2023.42	2525.22	2225.76	2782.20
Or Say								2000	2500	2225	2780

23.5.2020
 Pr. Chief Conservator of Forests (HoFF), Himachal Pradesh

PLANTATION UNDER CAT PLANS

Norm for NEW PLANTATION OF MEDICINAL SHRUBS AND HERBS in Non-Tribal & Tribal Areas for 2020-21 w.e.f. 01.04.2020

(Activity-wise Calculations)

A. Norm for New Plantation of Shrubs/ Perennial Herbs (Model: 4400 Plants per ha.)

Activity	Quantity	Rate at the Wage Rate of Rs. 150/-	Amount at the Wage Rate of Rs. 150/-	Amount @ 225/- For Non Tribal areas	Amount @ 281/- For Tribal areas	Amount @ 250/- For Non Tribal areas	Amount @ 312/- For Tribal areas	Amount @ 275/- for Non-Tribal areas	Amount @ 343.75/- for Non-Tribal areas
Bush cutting in strips/ patches (L/S)	LS	913.6	1370.35	1716.21	1521.089	1904.9931	1673.2	2095.4924	
Preparation of patches including digging & refilling (0.75x0.75x0.30m3) @ Rs. 1110.46/100	1100 No.	12215	18322	22946.13	20337.42	25470.2043	22371.2	28017.225	
Planting of plants in patches @ Rs.	4400 No.	226.5 per 400	2491.5	4680.33	4148.237	5195.1663	4563.06	5714.6829	
Cost of carriage of Plants (L/S)	LS	2250	3374.91	4226.67	3746.15	4691.6037	4120.77	5160.7641	
Total		4741.5	26804.41	33569.34	29752.9	37261.9674	32728.2	40988.164	
Or say			26800	33550	29700	37200	32730	40990	
Nursery cost of Plants	4400 No.	14960	22439.39	28102.67	24907.72	31193.9637	27398.5	34313.36	
Or say							27400	34310	
Grand Total			49239.39	61652.67	54607.72	68393.9637	60126.7	75301.524	
Or say			49250	61650	54600	68400	60130	75300	

23.5.2020
Principal CCF (HoFF) Himachal Pradesh

B. Norms for New Plantation of Annual/ Biannual Herbs (Model: 13200 Plants per ha.)									
Activity	Quantity	Rate at the Wage Rate of Rs. 150/-	Amount at the Wage Rate of Rs. 150/-	Amount @ 225/- For Non Tribal areas	Amount @ 281/- For tribal areas	Amount @ 250/- For Non Tribal areas	Amount @ 312/- For Tribal areas	Amount @ 275/- for Non-Tribal areas	Amount @ 343.75/- for Non-Tribal areas
Bush cutting in strips/ patches (L/S)	LS		913.6	1370.35	1716.21	1521.089	1904.9931	1673.2	2095.4924
Preparation of trenches/ patches including digging & stacking of soil along berms (1.00x0.50x0.15m3) @ Rs. 295.21/1200	1100 No.	1041.79 per 100	11459.69	17189.07	21527.26	19079.87	23895.2586	20987.9	26284.784
Planting of plants in patches @ 295.21/1200	13200 No.	295.21 per 1200	3247.31	4870.83	6100.13	5228.034	6771.1443	5750.84	7448.2587
Cost of carriage of Plants (L/S)	LS		2250	3374.91	4226.67	3622.41	4691.6037	3984.65	5160.7641
Total			17870.6	26805.16	33570.27	29451.4	37262.9997	32396.5	40989.3
Or say				26800	33550	29700	37200	32400	40990
Nursery cost of Plants	13200 No.	2.38	31416	47122.74	59015.62	52306.24	65507.3382	57536.9	72058.072
Or say								57540	72060
Grand Total				73922.74	92565.62	82006.24	102707.3382	89933.4	113047.37
Or say				73900	92550	82000	102700	89940	113050

23.5.2020

Principal CCF (HoFF) Himachal Pradesh

Abstract Norms for Plantation of Medicinal Shrubs and Herbs under CAT Plans:-w.e.f. 01.04.2020						
New Plantation of Shrub Species						
(For Non Tribal Areas @ Rs. 275/-)						
Component	No. of Plants per Hectare	Total Nursery cost	Fencing Cost	Total Planting cost	Total cost per Hectare	
New Plantation of Shrub species	4400	27400	N.A.	32730	60130	
Maintenance of old Plantations:						
1st Year Maintenance (10% Beating up)	440	2640	N.A.	3630	6270	
2 nd Year Maintenance (8% Beating up)	352	2299	N.A.	2728	5027	
3 rd Year Maintenance (5% Beating up)	220	1424	N.A.	2293	3717	
(For Tribal Areas @ Rs. 343.75/-)						
Component	No. of Plants per Hectare	Total Nursery cost	Fencing Cost	Total Planting cost	Total cost per Hectare	
New Plantation of Shrub species	4400	34310	N.A.	40990	75300	
Maintenance of old Plantations:						
1st Year Maintenance (10% Beating up)	440	3190	N.A.	4620	7810	
2 nd Year Maintenance (8% Beating up)	352	2860	N.A.	3410	6270	
3 rd Year Maintenance (5% Beating up)	220	1760	N.A.	2860	4620	

823.5.2020
Principal CCF (HoFF), Himachal Pradesh

Abstract Norms for Plantation of Medicinal Herbs under CAT Plans:-w.e.f. 01.04.2020

New Plantation of Herb Species

(For Non Tribal Areas @ Rs. 275/-)

Component	No. of Plants per Hectare	Nursery Cost	Fencing Cost	Planting Cost	Total Cost per Hectare
New Plantation of Herb species	13200	57540	N.A.	32400	89940
Maintenance of old Plantations:					
1st Year Maintenance (5% Beating up)	660	2882	N.A.	3388	6270
2 nd Year Maintenance (3% Beating up)	400	1870	N.A.	3190	5060
3 rd Year Maintenance (2% Beating up)	250	1320	N.A.	2530	3850

(For Tribal Areas @ Rs. 343.75/-)

Component	No. of Plants per Hectare	Nursery Cost	Fencing Cost	Planting Cost	Total Cost per Hectare
Herb species Plantation	13200	72060	N.A.	40990	113050
Maintenance of plantations:					
1st Year Maintenance (5% Beating up)	660	3740	N.A.	4070	7810
2 nd Year Maintenance (3% Beating up)	400	2310	N.A.	3850	6160
3 rd Year Maintenance (2% Beating up)	250	1430		3190	4620

23.5.2020

Principal CCF (HoFF), Himachal Pradesh

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for CLEARING OF AREAS INFESTED UP TO 25% in Non-Tribal Areas for 2020-21 w.e.f. 01.04.2020

Sr. No	Particulars of work	Qty.	Unit	Rate	Amount @ Rs.225/=	Amount @ Rs.250/=	Amount @ Rs.275/=
YEAR-I							
1	Survey and Demarcation of plantation area l/c marking of sections, path and preparation of map	0		150	0.00	0	0
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	39.66	Mandays/ Per Ha.	150	8923.50	9905.085	10906.5
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08		150	693.00	769.23	847
4	Cleaning of lantana (sprouts) & seedlings One time after first cut	2		150	450.00	499.5	550
5	Tending operations	1.15		150	258.75	287.2125	316.25
6	Cost of seed	1	Kg./ Ha.	650	860.24	954.8702	1050.36
Total					11185.49	12415.90	13670.1
7	Contingency @ 5% of total cost				559.27	620.79	683.505
G. Total					11744.77	13036.69	14353.6
Or Say					11750	13000	14350
*Contingencies: For tools,photos,documentation,exposure visits,workshops etc.							

Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 25%
in Non-Tribal Areas for 2019-20

YEAR -II							
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08	Mandays/ Per Ha.	150	693	769.23	847
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	6		150	1350	1498.5	1650
3	Cost of seed	1	Kg./ Ha.	650	860.24	954.8702	1050.36
4	Tending operations	1.15	Mandays/ Per Ha.	150	258.75	287.2125	316.25
Total					3161.99	3509.81	3863.61
Or Say					3150	3500	3860

Norm for 2ND MAINTENANCE OF CLEARED AREAS INFESTED UP TO 25%
in Non-Tribal Areas for 2019-20

YEAR - III							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year.	4.5	Mandays/ Per Ha.	150	1012.50	1123.875	1237.5
2	Tending operations	1.15		150	258.75	287.2125	316.25
Total					1271.25	1411.09	1553.75
Or Say					1250	1400	1550

Norm for 3RD MAINTENANCE OF CLEARED AREAS INFESTED UP TO 25%
in Non-Tribal Areas for 2019-20

YEAR - IV							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year.	4.5	Mandays/ Per Ha.	150	1012.50	1123.875	1237.5
2	Tending operations	1.15		150	258.75	287.2125	316.25
Total					1271.25	1411.09	1553.75
Or Say					1250	1400	1550
Total Cost including Maintenance					17400	19300	21310

8/23.5.2020

Pr. Chief Conservator of Forests (HoFF), HP

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for CLEARING OF AREAS INFESTED UP TO 50%
in Non-Tribal Areas for 2020-21 w.e.f.01.04.2020

Sr. No	Particulars of work	Qty.	Unit	Rate	Amount @ Rs. 225/-	Amount @ Rs. 250/-	Amount @ Rs. 275/-
YEAR-I							
1	Survey and Demarcation of plantation area l/c marking of sections, path and preparation of map	0		150	0.00		0
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	67.66	Mandays/ Per Ha.	150	15223.50	16898.1	18606.5
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08		150	693.00	769.23	847
4	Cleaning of lantana(sprouts) and seedlings One time after first cut	4		150	900.00	999	1100
5	Tending operations	1.15		150	258.75	287.213	316.25
6	Cost of seed	1	Kg./Ha.	650	860.00	954.603	1050.063
Total					17935.25	19908.13	21919.81
7	Contingency @ 5% of total cost				896.76	995.41	1095.991
G.Total					18832.02	20903.54	23015.80
Or Say					18850	20900	23000

Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 50%
in Non-Tribal Areas for 2019-20

YEAR -II							
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08	Mandays/ Per Ha.	150	693	769.23	847
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	12		150	2700	2997	3300
3	Cost of seed	1	Kg./Ha.	650	860.24	954.87	1050.357
4	Tending operations	1.15	Mandays/ Per Ha.	150	258.75	287.213	316.25
Total					4511.99	5008.31	5513.607
Or Say					4500	5000	5500

Norm for 2ND MAINTENANCE OF CLEARED AREAS INFESTED UP TO 50%
in Non-Tribal Areas for 2019-20

YEAR - III							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	9	Mandays/ Per Ha.	150	2025.00	2247.75	2475
2	Tending operations	1.15		150	258.75	287.213	316.25
Total					2283.75	2534.96	2791.25
Or Say					2300	2500	2800

Norm for 3RD MAINTENANCE OF CLEARED AREAS INFESTED UP TO 50%
in Non-Tribal Areas for 2019-20

YEAR - IV							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	9	Mandays/ Per Ha.	150	2025	2247.75	2475
2	Tending operations	1.15		150	258.75	287.213	316.25
Total					2283.75	2534.96	2791.25
Or Say					2300	2500	2800
Total Cost including Maintenance					27950	30900	34100

8/23.5.2020

Pr. Chief Conservator of Forests (HoFF), HP

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for CLEARING OF AREAS INFESTED UP TO 75%
in Non-Tribal Areas for 2020-21 w.e.f.01.04.2020

Sr. No	Particulars of work fencing	Qty.	Unit	Rate	Amount @ Rs. 225/-	Amount @ Rs. 250/-	Amount @ Rs. 275/-
YEAR-I							
1	Survey and Demarcation of plantation area I/c marking of sections, path and preparation of map	0	Mandays/ Per Ha.	150	0.00	0	0
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	86.33		150	19424.25	21560.9175	23740.75
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08		150	693.00	769.23	847
4	Cleaning of lantana (sprouts) and seedlings One time after first cut	6		150	1350.00	1498.5	1650
5	Tending operations	1.15		150	258.75	287.2125	316.25
6	Cost of seed	1	Kg./ Ha.	650	860.24	954.8702371	1050.357
Total					22586.24	25070.73	27604.36
7	Contingency @5% of total cost				1129.31	1253.54	1380.218
G.Total					23715.56	26324.27	28984.58
Or Say					23700	26350	28990

Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 75%
in Non-Tribal Areas for 2019-20

YEAR - II							
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08	Mandays/ Per Ha.	150	693.00	769.23	847
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	15		150	3375.00	3746.25	4125
3	Cost of seed	1	Kg./Ha.	650	860.32	954.9593607	1050.455
4	Tending operations	1.15	Mandays/ Per Ha.	150	258.75	287.2125	316.25
Total					5187.07	5757.65	6338.705
Or Say					5200	5750	6340

Norm for 2ND MAINTENANCE OF CLEARED AREAS INFESTED UP TO 75%
in Non-Tribal Areas for 2019-20

YEAR - III							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	13	Mandays/ Per Ha.	150	2925.00	3246.75	3575
2	Tending operations	1.15		150	258.75	287.2125	316.25
Total					3183.75	3533.96	3891.25
Or Say					3200	3550	3890

Norm for 3RD MAINTENANCE OF CLEARED AREAS INFESTED UP TO 75%
in Non-Tribal Areas for 2019-20

YEAR - IV							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	13	Mandays/ Per Ha.	150	2925.00	3246.75	3575
2	Tending operations	1.15		150	258.75	287.2125	316.25
Total					3183.75	3533.96	3891.25
Or Say					3200	3550	3890
Total Cost including Maintenance					35300	39200	43110

23.5.2020

Pr. Chief Conservator of Forests (HoFF), HP

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for CLEARING OF AREAS INFESTED UP TO 100%
in Non-Tribal Areas for 2020-21 w.e.f.01.04.2020

Sr. No	Particulars of work fencing	Qty.	Unit	Rate	Amount @ Rs. 225/-	Amount @ Rs. 250/-	Amount @ Rs. 275/-
YEAR-I							
1	Survey and Demarcation of plantation area l/c marking of sections, path and preparation of map	0		150	0.00	0	0
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	105	Mandays/ Per Ha.	150	23625.00	26223.75	28875
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08		150	693.00	769.23	847
4	Cleaning of lantana(sprouts) and seedlings One time after first cut	8		150	1800.00	1998	2200
5	Tending operations	1.15		150	258.75	287.2125	316.25
6	Cost of seed	1	Kg./ Ha.	650	860.24	954.87024	1050.3573
Total					27236.99	30233.06	33288.607
7	Contingency @5% of total cost				1361.85	1511.65	1664.4304
G. Total					28598.84	31744.72	34953.04
or say					28600	31750	34950

Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 100%
in Non-Tribal Areas for 2019-20

YEAR -II							
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08	Mandays/ Per Ha.	150	693.00	769.23	847
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	15		150	3375.00	3746.25	4125
3	Cost of seed	1	Kg./ Ha.	650	860.24	954.87024	1050.3573
4	Tending operations	1.15	Mandays/ Per Ha.	150	258.75	287.2125	316.25
Total					5186.99	5757.56	6338.61
Or Say					5200	5750	6340

Norm for 2nd MAINTENANCE OF CLEARED AREAS INFESTED UP TO 100%
in Non-Tribal Areas for 2019-20

YEAR - III							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	13	Mandays/ Per Ha.	150	2925.00	3246.75	3575
2	Tending operations	1.15		150	258.75	287.2125	316.25
Total					3183.75	3533.96	3891.25
Or Say					3200	3550	3890

Norm for 3rd MAINTENANCE OF CLEARED AREAS INFESTED UP TO 100%
in Non-Tribal Areas for 2019-20

YEAR - IV							
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	13	Mandays/ Per Ha.	150	2925.00	3246.75	3575
2	Tending operations	1.15		150	258.75	287.2125	316.25
Total					3183.75	3533.96	3891.25
Or Say					3200	3550	3890
Total Cost including Maintenance					40200	44600	49070

23.5.2020

Pr. Chief Conservator of Forests (HoFF), HP