

HIMACHAL PRADESH STATE CAMPA

Scheme-Wise Norms for New Plantations and Maintenance of old Plantations in Non-Tribal and Tribal Areas for 2018-19
(At the wage Rate of Rs. 225/- for Non Tribal and Rs. 281/- For Tribal Areas)

Sr.No.	Name of Scheme	Name of Component	Norms for 2018-19			Remarks
			Non -Tribal Areas	Tribal -I Areas	Tribal-II (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
I	NORMS FOR COMPENSATORY AFFORESTATION EXCLUDING NURSRY COST					
1	Compensatory Afforestation (1100 Plants/Ha.) - Fencing With RCC Fence Posts	FENCING	29200	32100	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	34000	42350	NA	
		Total	63200	74450		
		Maintenance				
		Ist Year Maintenance	6850	8550	NA	
		2nd Year Maintenance	4600	5750	NA	
		3rd to 10th Year Maint.	2400	3000	NA	
2	Compensatory Afforestation (1100 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	13850	16050	NA	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	34000	42350	NA	
		Total	47850	58400		
		Maintenance				
		Ist Year Maintenance	6850	8550	NA	
		2nd Year Maintenance	4600	5750	NA	
		3rd to 10th Year Maint.	2400	3000	NA	
3	Compensatory Afforestation (1100 Plants/Ha.) - Fencing with Stone Wall	FENCING	NA	NA	64050	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	NA	NA	34200	
		Total			98250	
		Maintenance				
		Ist Year Maintenance	NA	NA	41100	
		2nd Year Maintenance	NA	NA	26750	
		3rd Year Maintenance	NA	NA	14350	
4th to 10th Year Maint.	NA	NA	7650			

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

Sr.No.	Name of Scheme	Name of Component	Norms for 2018-19			Remarks
			Non Tribal Areas	Tribal-I Areas	Tribal-II Areas (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
II NORMS FOR PLANTATIONS UNDER CAT PLANS EXCLUDING NURSRY COST						
1	Afforestation (1100 plants/ha.) - Fencing with RCC Fence Posts	FENCING	29200	32100	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	26400	32850	NA	
		Total	55600	64950		
		Maintenance				
		1st year Maintenance	5150	6400		
		2nd year Maintenance	3500	4350	NA	
		3rd to 5th year Maint.	1800	2250	NA	
2	Afforestation/ Energy Plantation/ Timber Plantation/ Fuel & Fodder Plantation (1100 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	13850	16050	NA	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	26400	32850	NA	
		Total	40250	48900		
		Maintenance				
		1st year Maintenance	5150	6400	NA	
		2nd year Maintenance	3500	4350	NA	
		3rd to 5th year Maint.	1800	2250	NA	
3	Enrichment/ Replenishment Plantation (800 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	13850	16050	NA	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	20250	25200	NA	
		Total	34100	41250		
		Maintenance				
		1st year Maintenance	3800	4700	NA	
		2nd year Maintenance	2600	3200	NA	
		3rd to 5th year Maint.	1350	1700	NA	

r.No.	Name of Scheme	Name of Component	Norms for 2018-19			Remarks
			Non Tribal Areas	Tribal-I Areas	Tribal-II Areas (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
4	Assisted Natural Regeneration (ANR) Plantation (250 Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	13850	16050	NA	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	6900	8600	NA	
		Total	20750	24650		
		Maintenance				
		1st year Maintenance	1300	1600	NA	
		2nd year Maintenance	900	1150	NA	
		3rd to 5th year Maint.	500	650	NA	
5	Medicinal/NTFP Plantation					
i	Shrubs/Perennial Herbs Plantation (4400 Plants/Ha.)	Fencing Cost	0	0	NA	Norms include: - -Preparing, Digging & filling of 1100 patches. -Planting 4400 plants in patches@ 4 plants/patch. - Bush cutting in strips/ patches.
		Planting Cost	26800	33550	NA	
		Maintenance				
		1st year Maintenance	2890	3640	NA	
		2nd year Maintenance	2300	2890	NA	
		3rd year Maintenance	1930	2410	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	26800	33550	NA	
		Maintenance				
		1st year Maintenance	2800	3500	NA	
		2nd year Maintenance	2700	3350	NA	
		3rd year Maintenance	2150	2700	NA	

Sr. No.	Name of Scheme	Name of Component	Norms for 2018-19			Remarks
			Non-Tribal Areas	Tribal-I Areas	Tribal-II (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			

III NORMS FOR PLANTATIONS UNDER NPV EXCLUDING NURSERY COST

1	Replenishment & Enhancement of Forest Cover (REFC) Plantation (1100 Plants per Ha.) - Fencing with Wooden Fence Posts	FENCING	13850	16050	NA	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	26400	32850	NA	
		Total	40250	48900		
		Maintenance				
		1st Year Maintenance	5150	6400	NA	
		2nd Year Maintenance	3500	4350	NA	
		3rd to 5th Year Maint.	1800	2250	NA	

2	Replenishment & Enhancement of Forest Cover (REFC) Plantation (800 Plants per Ha.) - Fencing with Wooden Fence Posts	FENCING	13850	16050	NA	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	20250	25200	NA	
		Total	34100	41250		
		Maintenance				
		1st Year Maintenance	3800	4700	NA	
		2nd Year Maintenance	2600	3200	NA	
		3rd to 5th Year Maint.	1350	1700	NA	

IV NORMS FOR REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV

1	Plantation in Lantana Cleared Areas (1100 Normal Plants per Ha.) - Fencing with Wooden Fence Posts	FENCING (Wooden)	13700	15900	NA	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 normal plants. - Planting of 550 naked roots normal plants. -C/o Inspection path. -Fixing of sign board.
		PLANTING	24600	30600	NA	
		Total	38300	46500		
		Maintenance				
		1st Year Maintenance	5150	6400	NA	
		2nd Year Maintenance	3500	4350	NA	
		3rd Year Maint.	1800	2250	NA	

Sr. No.	Name of Scheme	Name of Component	Norms for 2018-19			Remarks
			Non-Tribal Areas	Tribal-I Areas	Tribal-II (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
2	Plantation in Lantana Cleared Areas (800 Normal Plants per Ha.) - Fencing with Wooden Fence Posts	FENCING (Wooden)	13700	15900	NA	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 normal plants. - Planting of 400 naked roots normal plants. -C/o Inspection path. -Fixing of sign board.
		PLANTING	18500	22900	NA	
		Total	32200	38800		
		Maintenance				
		1st Year Maintenance	3800	4700	NA	
		2nd Year Maintenance	2600	3200	NA	
		3rd Year Maint.	1350	1700	NA	
3	Plantation in Lantana Cleared Areas (500 Tall Plants Per Ha.) - Fencing with Wooden Fence Posts	FENCING	14750	16800	NA	Norms include:- - 4 strand B/wire fencing with Wooden Fence Posts. - Interlacing of thorny bushes. - Digging & Filling of 500 Pits of 60x60x60 cms. - Planting of 500 Tall Plants. - C/o Inspection path. - Moisture Retention Interventions.
		PLANTING	38150	46750	NA	
		Total	52900	63550		
		Maintenance				
		1st year Maintenance	3200	3600	NA	
		2nd year Maintenance	1800	2150	NA	
		3rd year Maintenance	850	1000	NA	
NOTE: The plantation norms of Rs. 52900/- and Rs. 63550/- for Non-Tribal and Tribal Areas respectively indicate the upper limit. The actual expenditure for fencing and planting may be restricted to 80% of the upper limit. However, the number of plants to be planted will not be reduced.						
4	Plantation in Lantana Cleared Areas (200 Tall Plants Per Ha.) - Fencing with Wooden Fence Posts	FENCING	14350	16400	NA	Norms include:- - 4 strand B/wire fencing with Wooden Fence Posts. - Interlacing of thorny bushes. - Digging & Filling of 200 Pits of 60x60x60 cms. - Planting of 200 Tall Plants. - C/o Inspection path. - Moisture Retention Interventions.
		PLANTING	16200	19050	NA	
		Total	30550	35450		
		Maintenance				
		1st year Maintenance	1350	1500	NA	
		2nd year Maintenance	750	900	NA	
		3rd year Maintenance	500	600	NA	
NOTE: The plantation norms of Rs. 30550/- and Rs. 35450/- for Non-Tribal and Tribal Areas respectively indicate the upper limit. The actual expenditure for fencing and planting may be restricted to 80% of the upper limit. However, the number of plants to be planted will not be reduced.						

Sr. No.	Name of Scheme	Name of Component	Norms for 2018-19			Remarks
			Non-Tribal Areas	Tribal-I Areas	Tribal-II (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
5	Plantation in Lantana Cleared Areas (500 Normal Plants/Ha.) - Fencing with Wooden Fence Posts	FENCING	NA	NA	NA	New Planting in Lantana Cleared Areas with 500 normal Plants has been discontinued. Under this model of planting, only Maintenance of plantations raised during previous years is applicable.
		PLANTING	NA	NA	NA	
		Total	NA	NA	NA	
		Maintenance				
		1st year Maintenance	2250	2800	NA	
		2nd year Maintenance	1550	1900	NA	
		3rd year Maintenance	850	1050	NA	
V CLEARING OF INFESTED AREAS						
1	Clearing of Areas Infested with Invasive Alien Species upto 25%	Year-I				Norms include: - Cutting/Removal/Disposal of Lantana (CRS method) - Cleaning of Lantana (Sprouts) & seeding one time after first cut for new areas. - Cleaning of Lantana (Sprouts) and seedings three times through out the year for maintenance of areas. - Broadcast sowing of grass seed. - Tending operations. -Contingencies for tools, photos, documentation, workshops etc.
		Clearing of New Areas	11750	NA	NA	
		Total	11750			
		Maintenance				
		Year-II: 1st Maint. of Cleared Areas	3150	NA	NA	
		Year- III: 2nd Maint. of Cleared Areas	1250	NA	NA	
		Year- IV: 3rd Maint. of Cleared Areas	1250	NA	NA	
		Total Maint.	5650	0		
		Total Cost including maint.	17400	0		
		2	Clearing of Areas Infested with Invasive Alien Species upto 50%	Year-I		
Clearing of New Areas	18850			NA	NA	
Total	18850					
Maintenance						
Year-II: 1st Maint. of Cleared Areas	4500			NA	NA	
Year- III: 2nd Maint. of Cleared Areas	2300			NA	NA	
Year- IV: 3rd Maint. of Cleared Areas	2300			NA	NA	
Total Maint.	9100			0		
Total Cost including maint.	27950			0		

Sr. No.	Name of Scheme	Name of Component	Norms for 2018-19			Remarks
			Non-Tribal Areas	Tribal-I Areas	Tribal-II (Keylong & Jhalma Ranges of Lahaul Division)	
			(Amount in Rupees)			
3	Clearing of Areas Infested with Invasive Alien Species upto 75%	Year-I			Norms include: - Cutting/Removal/Disposal of Lantana (CRS method) - Cleaning of Lantana (Sprouts) & seeding one time after first cut for new areas. - Cleaning of Lantana (Sprouts) and seedings three times through out the year for maintenance of areas. - Broadcast sowing of grass seed. - Tending operations. -Contingencies for tools, photos, documentation, workshops etc.	
		Clearing of New Areas	23700	NA		NA
		Total	23700			
		Maintenance				
		Year-II: 1st Maint. of Cleared Areas	5200	NA		NA
		Year- III: 2nd Maint. of Cleared Areas	3200	NA		NA
		Year- IV: 3rd Maint. of Cleared Areas	3200	NA		NA
		Total Maint.	11600	0		
		Total Cost including maint.	35300	0		
4	Clearing of Areas Infested with Invasive Alien Species upto 100%	Year-I			Norms include: - Cutting/Removal/Disposal of Lantana (CRS method) - Cleaning of Lantana (Sprouts) & seeding one time after first cut for new areas. - Cleaning of Lantana (Sprouts) and seedings three times through out the year for maintenance of areas. - Broadcast sowing of grass seed. - Tending operations. -Contingencies for tools, photos, documentation, workshops etc.	
		Clearing of New Areas	28600	NA		NA
		Total	28600			
		Maintenance				
		Year-II: 1st Maint. of Cleared Areas	5200	NA		NA
		Year- III: 2nd Maint. of Cleared Areas	3200	NA		NA
		Year- IV: 3rd Maint. of Cleared Areas	3200	NA		NA
		Total Maint.	11600	0		
		Total Cost including maint.	40200	0		

INDICATIVE NURSERY COST FOR DIFFERENT PLANTATION SCHEMES BASED ON TOTAL PER PLANT COST FOR 2018-19(Allotment of Funds for Nursery is to be Made Spread Over Different Financial Years as per Chart at Annexure-1)

(At the wage Rate of Rs. 225/- for Non Tribal and Rs.281/- For Tribal Areas)

Plantation Model	Particulars	No. Of Plants per Ha.	Nursery Cost Per Ha. - Specie-wise (Amount in Rupees)								Remarks
			Chil & OBL		Ban Species		Deodar		Fir/Spruce		
			Non Tribal Areas	Tribal Areas	Non Tribal Areas	Tribal Areas	Non Tribal Areas	Tribal Areas	Non Tribal Areas	Tribal Areas	
NEW NURSERY PROTOCOL											
Normal Plants											
		Total Cost Per Plant	14.19	17.19	19.47	23.82	18.07	22.01	36.58	43.49	
1 1100 PLANTS PER HECTARE -Compensatory Afforestation; -CAT Plan Models: Afforestation; Energy Plantation; Timber Plantation; Fuel & Fodder Plantation, etc) -NPV Models: REFC Plantation & Plantation in Lantana Cleared Areas	New Planting	1100	15609	18909	21417	26202	19877	24211	40238	47839	Per Plant Cost for Raising Normal Plants under New Nursery Protocol:- - Chil & Other BLs: Non-Tribal = Rs. 14.19 Tribal = Rs. 17.19 - Ban: Non-Tribal = Rs. 19.47 Tribal = Rs. 23.82 - Deodar: Non-Tribal = Rs. 18.07 Tribal = Rs. 22.01 - Fir/Spruce: Non-Tribal = Rs. 36.58 Tribal = Rs. 43.49
	1st Year Maintenance	330	4683	5673	6425	7861	5963	7263	12071	14352	
	2nd Year Maintenance	220	3122	3782	4283	5240	3975	4842	8048	9568	
	3rd Year & onward Maint.	110	1561	1891	2142	2620	1988	2421	4024	4784	
2 800 PLANTS PER HECTARE -CAT Plan Models: Enrichment Plantation, Replenishment Plantation; -NPV Models: REFC Plantation & Plantation in Lantana Cleared Areas	New Planting	800	11352	13752	15576	19056	14456	17608	29264	34792	
	1st Year Maintenance	240	3406	4126	4673	5717	4337	5282	8779	10438	
	2nd Year Maintenance	160	2270	2750	3115	3811	2891	3522	5853	6958	
	3rd Year & onward Maint.	80	1135	1375	1558	1906	1446	1761	2926	3479	
3 250 PLANTS PER HECTARE -CAT Plan Models: Assisted Natural Regeneration (ANR)	New Planting	250	3548	4298	4868	5955	4518	5503	9145	10873	
	1st Year Maintenance	75	1064	1289	1460	1787	1355	1651	2744	3262	
	2nd Year Maintenance	50	710	860	974	1191	904	1101	1829	2175	
	3rd Year & onward Maint.	25	355	430	487	596	452	550	915	1087	
B Tall Plants											
		Per Plant Cost	50.16	58.53	55.42	65.17	53.48	62.66	NA	NA	
1 500 TALL PLANTS PER HECTARE - NPV Models: Plantation in Lantana Cleared Areas	New Planting	500	25080	29265	27710	32585	26740	31330	NA	NA	Per Plant Cost for Raising Tall Plants under New Nursery Protocol:- - Chil & Other BLs: Non-Tribal = Rs. 50.16
	1st Year Maintenance	50	2508	2927	2771	3259	2674	3133	NA	NA	
	2nd Year Maintenance	25	1254	1463	1386	1629	1337	1567	NA	NA	

Plantation Model	Particulars	No. Of Plants per Ha.	Nursery Cost Per Ha. - Specie-wise (Amount in Rupees)								Remarks
			Chil & OBL		Ban Species		Deodar		Fir/Spruce		
			Non Tribal Areas	Tribal Areas	Non Tribal Areas	Tribal Areas	Non Tribal Areas	Tribal Areas	Non Tribal Areas	Tribal Areas	
	3rd Year Maintenance	10	502	585	554	652	535	627	NA	NA	Tribal = Rs. 58.53 - Ban: Non-Tribal = Rs. 55.42
200 TALL PLANTS PER HECTARE - NPV Models: Plantation in Lantana Cleared Areas	New Planting	200	10032	11706	11084	13034	10696	12532	NA	NA	Tribal = Rs. 65.17 - Deodar: Non-Tribal = Rs. 53.48
	1st Year Maintenance	20	1003	1171	1108	1303	1070	1253	NA	NA	Tribal = Rs. 62.66 - Fir/Spruce: Not Applicable
	2nd Year Maintenance	10	502	585	554	652	535	627	NA	NA	
	3rd Year Maintenance	4	201	234	222	261	214	251	NA	NA	

Medicinal/ NTFP Plants										
Plantation Model	Particulars	No. Of Plants per Ha.	Nursery Cost Per Ha. (Amount in Rs.)				Remarks			
			Shrubs/ Perennial Herbs		Herbs					
			Non -Tribal Areas	Tribal Areas	Non - Tribal Areas	Tribal Areas				

		<i>Per Plant Cost</i>	<i>5.09</i>	<i>6.39</i>	<i>3.57</i>	<i>4.47</i>	Per Plant Cost for Raising Medicinal Plants under New Nursery Protocol:- - Shrubs Perennial Herbs: Non-Tribal = Rs. 5.09 Tribal = Rs. 6.39
4400 PLANTS PER HECTARE -CAT Plan Models: Shrubs/Perennial Herbs Plantation	New Planting	4400	22450	28100	NA	NA	
	1st Year Maintenance	440	2250	2780	NA	NA	
	2nd Year Maintenance	352	1820	2250	NA	NA	
	3rd Year Maintenance	220	1120	1390	NA	NA	
13200 PLANTS PER HECTARE -CAT Plan Models: Herbs Plantation	New Planting	13200	NA	NA	47100	59000	
	1st Year Maintenance	660	NA	NA	2350	2950	
	2nd Year Maintenance	400	NA	NA	1450	1750	
	3rd Year Maintenance	250	NA	NA	910	1100	

II OLD NURSERY PROTOCOL

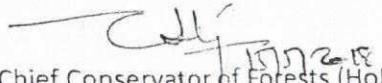
A Norm for Raising and Maintenance of Plants as per Old Nursery Protocol

- i Rates for New Plants to be raised during 2018-19: Non-Tribal Areas = Rs. 5.23 & Tribal Areas = Rs. 5.81
- ii Rates for Maintenance of plants of old nursery protocol available in nurseries for planting during 2018-19: Non-Tribal Areas = Rs. 1.88 & Tribal Areas = Rs. 2.09
- iii Rates for Maintenance of balance plants of old nursery protocol available in nurseries to be carried over to next year: Non-Tribal Areas = Rs. 2.14 & Tribal Areas = Rs. 2.67

Principal CCF (HoFF), Himachal Pradesh

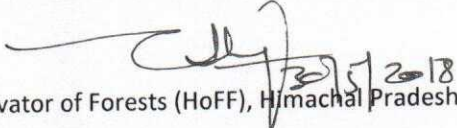
Financial Year Wise split of per Plant Nursery Cost for different Species to be raised in Poly Bags for the year 2018-19 at the basic wage rate of ₹225/- per day

Financial Year	Chil/ Other BLs				Ban				Deodar				Fir/ Spruce	
	Normal (1½ Year Old)		Tall (2½ Year Old)		Normal (2½ Year Old)		Tall (3½ Year Old)		Normal (2½ Year Old)		Tall (3½ Year Old)		Normal (4½ Year Old)	
	Non Tribal	Tribal	Non Tribal	Tribal	Non Tribal	Tribal	Non Tribal	Tribal	Non Tribal	Tribal	Non Tribal	Tribal	Non Tribal	Tribal
1st	7.74	9.12	7.74	9.12	8.70	10.37	8.70	10.37	1.49	1.79	1.49	1.79	1.45	1.74
2 nd	4.30	5.38	31.57	35.86	4.31	5.38	4.31	5.38	11.20	13.49	11.20	13.49	7.43	8.99
3rd	2.15	2.69	7.05	8.80	4.31	5.38	31.57	35.86	3.77	4.71	31.03	35.18	3.77	4.71
4 th	--	--	3.80	4.75	2.15	2.69	7.04	8.81	1.61	2.02	6.50	8.13	18.54	21.32
5 th	--	--	--	--	--	--	3.80	4.75	--	--	3.26	4.07	3.77	4.71
6 th	--	--	--	--	--	--	--	--	--	--	--	--	1.62	2.02
Total Cost	14.19	17.19	50.16	58.53	19.47	23.82	55.42	65.17	18.07	22.01	53.48	62.66	36.58	43.49


 Pr. Chief Conservator of Forests (HOFF)
 Himachal Pradesh, Shimla

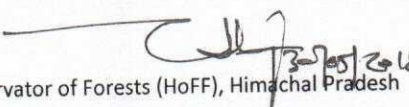
COMPENSATORY AFFORESTATION - FENCING WITH RCC FENCE POSTS
Norms for New Plantation in Non-Tribal & Tribal Areas for 2018-19
(Model: 1100 Plants per Hectare - Activity-wise Calculations)

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 wage rate of Rs. 225/- for Non-Tribal areas	Amount at the wage rate of Rs. 281/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21
2	Preparation / Purchase of RCC Fence Post	No.	50	250.00	12500.00	0.00	12500.00	12500.00
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	5025.00	6275.67
4	Preparation /Digging of Holes of 20x30x50 cm size	No.	50	9.06	453.00	3.02	679.50	848.62
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	613.50	4.09	920.25	1149.29
9	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.00	4882.00
Total -A/Survey, Demarcation & Fencing:							29180.96	32117.59
Or Say							29200	32100
B.	PLANTING:-							
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51
2	Digging of Pits of 45x45x45cm Size	No.	1100	9.54	10494.00	69.96	15741.00	19658.76
3	Filling of Pits of 45x45x45 cm size	No.	1100	2.72	2992.00	19.95	4488.00	5605.01
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1100	1.9	4180.00	27.87	6270.00	7830.53
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	2398.00	15.99	3597.00	4492.25
6	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
7	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							33985.20	42331.74
Or Say							34000	42350
Grand Total (A+B):							63200	74450


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

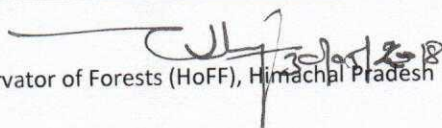
COMPENSATORY AFFORESTATION - FENCING WITH RCC FENCE POSTS
Norms for Maintenance of old Plantations in Non-Tribal & Tribal Areas for 2018-19
(Model: 1100 Plants per Hectare - Activity-wise Calculations)

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. 225/- for Non-Tribal areas	Amount at the wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	330	4.77	1574.10	10.49	2361.15	2948.814
2	Filling of Pits 45x45x45 cm	No.	330	2.72	897.60	5.98	1346.40	1681.504
3	Planting of Plants raised in P/Bags	No.	330	2.18	719.40	4.80	1079.10	1347.676
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	KM/ No.	330	1.9	1254.00	8.36	1881.00	2349.16
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:							6829.65	8529.47
Or Say							6850	8550
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	220	4.77	1049.40	7.00	1574.10	1965.88
2	Filling of Pits 45x45x45 cm	No.	220	2.72	598.40	3.99	897.60	1121.00
3	Planting of Plants raised in P/Bags	No.	220	2.18	479.60	3.20	719.40	898.45
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	No.	220	1.9	836.00	5.57	1254.00	1566.11
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:							4607.10	5753.76
Or Say							4600	5750
3rd to 10th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	787.05	982.94
2	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	448.80	560.50
3	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	359.70	449.23
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	No.	110	1.9	418.00	2.79	627.00	783.05
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:							2384.55	2978.04
Or Say							2400	3000


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

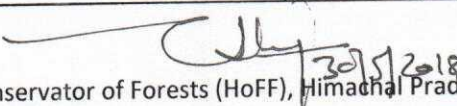
COMPENSATORY AFFORESTATION - FENCING WITH WOODEN FENCE POSTS
Norms for New Plantation in Non-Tribal & Tribal Areas for 2018-19
(Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty.	Rate per Unit at wage rate of Rs. 150/-	Amount @ Rs. 150/- for Non-Tribal areas	Mandays involved	Amount @ Rs. 225/- for Non-Tribal areas	Amount @ Rs. 281/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21
2	Cutting and preparation of wooden fence posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape	No.	50	12.95	647.50	4.32	971.25	1212.98
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1023.00	1277.61
4	Charring and coaltaring of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	210.00	262.27
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	680.25	849.56
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
7	Carriage of B/Wire over a distance of 2 Kms	KM/Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	900.00	1124.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							13841.21	16070.94
Or Say							13850	16050
B.	PLANTING:-							
1	Bush Cutting in Strips 1 to 2 mtrs wide with spacing of 3mtrs	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	10494.00	69.96	15741.00	19658.76
3	Filling of Pits of 45x45x45 cm size	No.	1100	2.72	2992.00	19.95	4488.00	5605.01
4	Carriage of Plants in P. Bags over distance 2 Km uphill	KM/No.	1100	1.9	4180.00	27.87	6270.00	7830.53
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	2398.00	15.99	3597.00	4492.25
6	Construction of Inspection Path 60 cms wide	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
7	Cost of Sign Board, Carriage & Fixing	No.	1	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							33985.20	42331.74
Or Say							34000	42350
Grand Total (A+B):							47850	58400


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

COMPENSATORY AFFORESTATION - FENCING WITH WOODEN FENCE POSTS
Norms for Maintenance of old Plantations in Non-Tribal & Tribal Areas for 2018-19
 (Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	QTY.	Rate per Unit (Rs.) 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.225/- for Non-Tribal areas	Amount at wage rate of Rs.281/-for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	330	4.77	1574.10	10.49	2361.15	2948.81
2	Filling of Pits 45x45x45 cm	No.	330	2.72	897.60	5.98	1346.40	1681.50
3	Planting of Plants raised in P/Bags	No.	330	2.18	719.40	4.80	1079.10	1347.68
4	Carriage of Plants in P. Bags over distance 2 Km uphill	KM/ No.	330	1.9	1254.00	8.36	1881.00	2349.16
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:							6829.65	8529.47
Or Say							6850	8550
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	220	4.77	1049.40	7.00	1574.10	1965.88
2	Filling of Pits 45x45x45 cm	No.	220	2.72	598.40	3.99	897.60	1121.00
3	Planting of Plants raised in P/Bags	No.	220	2.18	479.60	3.20	719.40	898.45
4	Carriage of Plants in P/Bags over distance 2 Km uphill	No.	220	1.9	836.00	5.57	1254.00	1566.11
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:							4607.10	5753.76
Or Say							4600	5750
3rd to 10th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	787.05	982.94
2	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	448.80	560.50
3	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	359.70	449.23
4	Carriage of Plants in P/Bags over distance 2 Km uphill	No.	110	1.9	418.00	2.79	627.00	783.05
5	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:							2384.55	2978.04
Or Say							2400	3000


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

COMPENSATORY AFFORESTATION - FENCING WITH STONE WALL

Norms for **New Plantation** in Tribal-II Areas (Keylong & Jahalma Ranges of Lahaul Division) for
2018-19

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

Sr. No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of Rs. 150/- of Kullu circle	Amount at wage rate of Rs. 150/-	Mandays	Norm at wage rate of Rs. 281/=
A SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	Ha.	1	102.32	102.32	0.68	191.68
2	Stonewall fence 0.5x1.5 mtrs high	Rmt.	100	340.92	34091.95	227.28	63865.58
Total - A/Survey, Demarcation & Fencing:							64057.26
Or Say							64050
B. PLANTING:-							
1	Bush Cutting in Strips (3m x 3m)	ha.	0	0.00	0.00	0.00	0.00
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	10489.01	69.93	19649.40
3	Filling of Pits of 45x45x45 cm size	No.	1100	2.72	2993.49	19.96	5607.81
4	Carriage of Plants in P. Bags over distance 2 Km uphill	KM/ No.	1100	1.91	2097.80	13.99	3929.88
5	Planting of Plants Raised in P/Bags	No.	1100	2.19	2404.22	16.03	4503.91
6	Construction of Inspection Path	Rmt.	0	10.93	0.00	0.00	0.00
7	Cost of Sign Board, Carriage & Fixing	No.	1		500.00	0.00	500.00
Total -B/Planting:							34191.00
Or Say							34200
Grand Total (A+B):							98250

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

COMPENSATORY AFFORESTATION - FENCING WITH STONE WALL
Norms for Maintenance of old Plantations in Tribal-II Areas (Keylong & Jahalma Ranges
of Lahaul Division) for 2018-19
(Model: 1100 Plants per Hectare - Activity-wise Calculations)

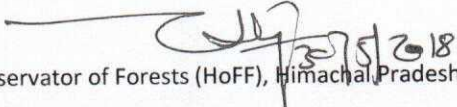
Sr. No.	Particulars of Works	Unit	Qty.	Rate per Unit at wage rate of Rs.150/-	Amount at wage rate of Rs.150/- for Tribal areas	Mandays involved	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	330	4.77	1574.10	10.49	2948.81
2	Filling of Pits 45x45x45 cm	No.	330	2.72	897.60	5.98	1681.50
3	Planting of Plants raised in P/Bags	No.	330	2.18	719.40	4.80	1347.68
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/ No.	330	1.9	1254.00	8.36	2349.16
5	Watering including carriage	LS					32800.00
Total/1st Year Maintenance:							41127.15
Or say							41100
2nd YEAR MAINTENANCE (20 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	220	4.77	1049.4	7	1967.00
2	Filling of Pits 45x45x45 cm	No.	220	2.72	598.40	3.99	1121.19
3	Planting of Plants raised in P/Bags	No.	220	2.18	479.60	3.20	899.20
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	No.	220	1.9	836.00	5.57	1565.17
5	Watering	LS					21200.00
Total/2nd Year Maintenance:							26752.56
Or Say							26750
3rd YEAR MAINTENANCE (10 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.7	3.50	983.50
2	Filling of Pits 45x45x45 cm	No.	110	2.72	299.2	1.99	559.19
3	Planting of Plants raised in P/Bags	No.	110	2.18	239.8	1.60	449.60
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	No.	110	1.9	209	2.79	783.99
5	Watering	LS					11600.00
Total/3rd Year Maintenance:							14376.28
Or Say							14350
4th to 10th YEAR MAINTENANCE (10 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.7	3.50	983.50
2	Filling of Pits 45x45x45 cm	No.	110	2.72	299.2	1.99	559.19
3	Planting of Plants raised in P/Bags	No.	110	2.18	239.8	1.60	449.60
4	Carriage of Plants in P. Bags over a distance of 2 Km uphill/ downhill	No.	110	1.9	209	2.79	783.99
5	Watering	LS					4890.00
Total/4th Year Maintenance:							7666.28
Or Say							7650

PLANTATIONS UNDER CAT PLANS - FENCING WITH RCC FENCE POSTS

Norm for New Plantation in Non-Tribal & Tribal Areas for 2018-19

(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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
A SURVEY, DEMARCATION & FENCING:-								
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21
2	Preparation / Purchase of RCC Fence Post	No.	50	250.00	12500.00	0.00	12500.00	12500.00
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	5025.00	6275.67
4	Preparation /Digging of Holes of 20x30x50 cm size	No.	50	9.06	453.00	3.02	679.50	848.62
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/ Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	613.50	4.09	920.25	1149.29
9	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							29181.46	32118.09
Or Say							29200	32100
B. PLANTING:-								
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51
2	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	7870.50	9829.38
3	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	3935.25	4914.69
4	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	2244.00	2802.51
5	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	1575.75	1967.94
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/ No.	550	1.9	2090.00	13.93	3135.00	3915.27
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/ No.	550	0.26	286.00	1.91	429.00	535.77
8	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	1798.50	2246.13
9	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	1509.75	1885.51
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							26386.95	32842.37
Or Say							26400	32850
Grand Total (A+B):							55600	64950


 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 2018-19
(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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1180.58	1474.41
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	589.05	735.66
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	673.20	840.75
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	472.73	590.38
5	Planting of Plants raised in P/Bags	No.	165	2.18	359.70	2.40	539.55	673.84
6	Planting of Plants with naked roots	No.	165	1.83	301.95	2.01	452.93	565.65
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/ No.	165	1.9	627.00	4.18	940.50	1174.58
8	Carriage of naked root plants over a distance 2 Km up/downhill	KM/ No.	165	0.26	85.80	0.57	128.70	160.73
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:							5139.23	6418.32
Or Say							5150	6400
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	787.05	982.94
2	Re-digging of Pits 30x30x30 cm	No.	110	2.38	261.80	1.75	392.70	490.44
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	448.80	560.50
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	315.15	393.59
5	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	359.70	449.23
6	Planting of Plants with naked roots	No.	110	1.83	201.30	1.34	301.95	377.10
7	Carriage of Plants in P/Bags over a distance of 2 Km up/downhill	No.	110	1.9	418.00	2.79	627.00	783.05
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	85.80	107.15
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:							3480.15	4346.32
Or Say							3500	4350
3rd to 5th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	393.53	491.47
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	196.35	245.22
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	224.40	280.25
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	157.58	196.79
5	Planting of Plants raised in P/Bags	No.	55	2.18	119.90	0.80	179.85	224.61
6	Planting of Plants with naked roots	No.	55	1.83	100.65	0.67	150.98	188.55
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	313.50	391.53
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	42.90	53.58
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:							1821.08	2274.32
Or Say							1800	2250

PLANTATIONS UNDER CAT PLANS - FENCING WITH WOODEN FENCE POSTSNorm for **New Plantation** in Non-Tribal & Tribal Areas for 2018-19

(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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21
2	Cutting and preparation of wooden fence posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape	No.	50	12.95	647.50	4.32	971.25	1212.98
3	Carriage of wooden Fence Post over a distance of 2 km	KM/ No.	50	6.82	682.00	4.55	1023.00	1277.61
4	Charring and coaltaring of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	210.00	262.27
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	680.25	849.56
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
7	Carriage of B/Wire over a distance of 2 Kms	KM/ Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	900.00	1124.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							13841.21	16070.94
Or Say							13850	16050
B.	PLANTING:-							
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51
2	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	7870.50	9829.38
3	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	3935.25	4914.69
4	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	2244.00	2802.51
5	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	1575.75	1967.94
6	Carriage of Plants in P. Bags over distance of 2 Km uphill/downhill	KM/ No.	550	1.9	2090.00	13.93	3135.00	3915.27
7	Carriage of naked root Plants over a distance of 2 Km uphill/downhill	KM/ No.	550	0.26	286.00	1.91	429.00	535.77
8	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	1798.50	2246.13
9	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	1509.75	1885.51
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							26386.95	32842.37
Or Say							26400	32850
Grand Total (A+B):							40250	48900

PLANTATIONS UNDER CAT PLANS - FENCING WITH WOODEN FENCE POSTS
Norm for Maintenance of old Plantations in Non-Tribal & Tribal Areas for 2018-19
(Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Quantity	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. 225/- for Non- Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1180.58	1474.41
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	589.05	735.66
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	673.20	840.75
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	472.73	590.38
5	Planting of Plants raised in P/Bags	No.	165	2.18	359.70	2.40	539.55	673.84
6	Planting of Plants with naked roots	No.	165	1.83	301.95	2.01	452.93	565.65
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/ No.	165	1.9	627.00	4.18	940.50	1174.58
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	KM/ No.	165	0.26	85.80	0.57	128.70	160.73
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:							5139.23	6418.32
Or Say							5150	6400
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	787.05	982.94
2	Re-digging of Pits 30x30x30cm	No.	110	2.38	261.80	1.75	392.70	490.44
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	448.80	560.50
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	315.15	393.59
5	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	359.70	449.23
6	Planting of Plants with naked roots	No.	110	1.83	201.30	1.34	301.95	377.10
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	110	1.9	418.00	2.79	627.00	783.05
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	85.80	107.15
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:							3480.15	4346.32
Or Say							3500	4350
3rd to 5th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	393.53	491.47
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	196.35	245.22
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	224.40	280.25
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	157.58	196.79
5	Planting of Plants raised in P/Bags	No.	55	2.18	119.90	0.80	179.85	224.61
6	Planting of Plants with naked roots	No.	55	1.83	100.65	0.67	150.98	188.55
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	313.50	391.53
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	42.90	53.58
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:							1821.08	2274.32
Or Say							1800	2250

PLANTATIONS UNDER CAT PLANS - FENCING WITH WOODEN FENCE POSTS
Norm for ENRICHMENT PLANTATION in Non-Tribal & Tribal Areas for 2018-19
 (Model: 800 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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas	
A	SURVEY, DEMARCATION & FENCING:-								
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21	
2	Cutting and preparation of wooden fence posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape	No.	50	12.95	647.50	4.32	971.25	1212.98	
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1023.00	1277.61	
4	Charring and coaltering of ends of fence posts up to 45 CM at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	210.00	262.27	
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	680.25	849.56	
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65	
7	Carriage of B/Wire over a distance of 2 Kms	KM/QtI.	0.75	73.65	110.48	0.74	165.71	206.96	
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20	
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	900.00	1124.00	
10	Cost of Barbed Wire	QtI.	0.75	6510	4882.50	0.00	4882.50	4882.50	
Total -A/Survey, Demarcation & Fencing:							13841.21	16070.94	
Or Say							13850	16050	
B.	PLANTING:-								
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51	
2	Digging of Pits of 45x45x45 cm Size	No.	400	9.54	3816.00	25.44	5724.00	7148.64	
3	Digging of Pits of 30x30x30 cm Size	No.	400	4.77	1908.00	12.72	2862.00	3574.32	
4	Filling of Pits of 45x45x45 cm size	No.	400	2.72	1088.00	7.25	1632.00	2038.19	
5	Filling of Pits of 30x30x30 cm size	No.	400	1.91	764.00	5.09	1146.00	1431.23	
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	400	1.9	1520.00	10.13	2280.00	2847.47	
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	400	0.26	208.00	1.39	312.00	389.65	
8	Planting of Plants Raised in P/Bags	No.	400	2.18	872.00	5.81	1308.00	1633.55	
9	Planting of Plants with naked roots	No.	400	1.83	732.00	4.88	1098.00	1371.28	
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67	
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00	
Total -B/Planting:							20251.20	25179.50	
Or Say							20250	25200	
Grand Total (A+B):							34100	41250	

PLANTATIONS UNDER CAT PLANS - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF ENRICHMENT PLANTATIONS in Non-Tribal & Tribal Areas
for 2018-19
(Model: 800 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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	120	4.77	572.40	3.82	858.60	1072.30
2	Re-digging of Pits 30x30x30 cm	No.	120	2.38	285.60	1.90	428.40	535.02
3	Filling of Pits 45x45x45 cm	No.	120	2.72	326.40	2.18	489.60	611.46
4	Filling of Pits 30x30x30 cm	No.	120	1.91	229.20	1.53	343.80	429.37
5	Planting of Plants raised in P/Bags	No.	120	2.18	261.60	1.74	392.40	490.06
6	Planting of Plants with naked roots	No.	120	1.83	219.60	1.46	329.40	411.38
7	Carriage of Plants in P. Bags over distance of 2 Km uphill/downhill	KM/ No.	120	1.9	456.00	3.04	684.00	854.24
8	Carriage of naked root plants over a distance of 2 Km uphill/downhill	KM/ No.	120	0.26	62.40	0.42	93.60	116.90
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:					2521.20	16.81	3781.80	4723.05
Or Say					3650.00		3800	4700
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	80	4.77	381.60	2.54	572.40	714.86
2	Re-digging of Pits 30x30x30cm	No.	80	2.38	190.40	1.27	285.60	356.68
3	Filling of Pits 45x45x45 cm	No.	80	2.72	217.60	1.45	326.40	407.64
4	Filling of Pits 30x30x30 cm	No.	80	1.91	152.80	1.02	229.20	286.25
5	Planting of Plants raised in P/Bags	No.	80	2.18	174.40	1.16	261.60	326.71
6	Planting of Plants with naked roots	No.	80	1.83	146.40	0.98	219.60	274.26
7	Carriage of Plants in P/Bags over a distance of 2 Km uphill/downhill	No.	80	1.9	304.00	2.03	456.00	569.49
8	Carriage of Plants in P/Bags over distance of 2 Km uphill/downhill	No.	80	0.26	41.60	0.28	62.40	77.93
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:					1716.80	11.45	2575.20	3216.14
Or Say					2500		2600	3200
3rd to 5th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	40	4.77	190.80	1.27	286.20	357.43
2	Re-digging of Pits 30x30x30 cm	No.	40	2.38	95.20	0.63	142.80	178.34
3	Filling of Pits 45x45x45 cm	No.	40	2.72	108.80	0.73	163.20	203.82
4	Filling of Pits 30x30x30 cm	No.	40	1.91	76.40	0.51	114.60	143.12
5	Planting of Plants raised in P/Bags	No.	40	2.18	87.20	0.58	130.80	163.35
6	Planting of Plants with naked roots	No.	40	1.83	73.20	0.49	109.80	137.13
7	Carriage of Plants in P/Bags over a distance of 2 Km uphill/downhill	No.	40	1.9	152.00	1.01	228.00	284.75
8	Carriage of Plants in P/Bags over distance of 2 Km uphill/downhill	No.	40	0.26	20.80	0.14	31.20	38.97
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:					912.40	6.08	1368.60	1709.23
Or Say					1300		1350	1700

PLANTATIONS UNDER CAT PLANS - FENCING WITH WOODEN FENCE POSTSNorm for **ASSISTED NATURAL REGENERATION (ANR) PLANTATION** in Non-Tribal & Tribal Areas for
2018-19

(Model: 250 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 the wage rate of Rs. 150/- for Non- Tribal areas	Mandays involved	Amount at the wage rate of Rs. 225/- for Non- Tribal areas	Amount at the wage rate of Rs. 281/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21
2	Cutting and preparation of wooden Fence Posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape.	No.	50	12.95	647.50	4.32	971.25	1212.98
3	Carriage of wooden Fence Post over a distance of 2 km	KM/ No.	50	6.82	682.00	4.55	1023.00	1277.61
4	Charring and coaltaring of ends of fence posts upto 45 at bottom and 15 cms at conical end.	No.	50	2.8	140.00	0.93	210.00	262.27
5	Preparation /Digging of Holes of 20 to 30 cm dia	No.	50	9.07	453.50	3.02	680.25	849.56
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
7	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/ Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4	600.00	4.00	900.00	1124.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							13841.21	16070.94
Or Say							13850	16050
B.	PLANTING:-							
1	Bush Cutting/ cultural operations	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51
2	Digging of Pits of 45x45x45 cm Size	No.	125	9.54	1192.50	7.95	1788.75	2233.95
3	Digging of Pits of 30x30x30 cm Size	No.	125	4.77	596.25	3.98	894.38	1116.98
4	Filling of Pits of 45x45x45 cm size	No.	125	2.72	340.00	2.27	510.00	636.93
5	Filling of Pits of 30x30x30 cm size	No.	125	1.91	238.75	1.59	358.13	447.26
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/ No.	125	1.9	475.00	3.17	712.50	889.83
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/ No.	125	0.26	65.00	0.43	97.50	121.77
8	Planting of Plants Raised in P/Bags	No.	125	2.18	272.50	1.82	408.75	510.48
9	Planting of Plants with naked roots	No.	125	1.83	228.75	1.53	343.13	428.53
Total -B/Planting:							6902.33	8620.24
Or Say							6900	8600
Grand Total (A+B):							20750	24650

Handwritten signature and date: 20/10/20

PLANTATIONS UNDER CAT PLANS - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF ASSISTED NATURAL REGENERATION (ANR) PLANTATIONS
 in Non-Tribal & Tribal Areas for 2018-19
 (Model: 250 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 the wage rate of Rs. 150/- for Non-Tribal areas	Mandays involved	Amount at the wage rate of Rs. 225/- for Non-Tribal areas	Amount at the wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	37	4.77	176.49	1.18	264.74	330.62
2	Re-digging of Pits 30x30x30 cm	No.	37	2.38	88.06	0.59	132.09	164.97
3	Filling of Pits 45x45x45 cm	No.	37	2.72	100.64	0.67	150.96	188.53
4	Filling of Pits 30x30x30 cm	No.	37	1.91	70.67	0.47	106.01	132.39
5	Planting of Plants raised in P/Bags	No.	37	2.18	80.66	0.54	120.99	151.10
6	Planting of Plants with naked roots	No.	37	1.83	67.71	0.45	101.57	126.84
7	Carriage of Plants in P. Bags over distance of 2 Km uphill/downhill	KM/No.	37	1.9	140.60	0.94	210.90	263.39
8	Carriage of naked root plants over a distance of 2 Km uphill/downhill	KM/No.	37	0.26	19.24	0.13	28.86	36.04
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:							1278.11	1596.21
Or Say							1300	1600
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	25	4.77	119.25	0.80	178.88	223.40
2	Re-digging of Pits 30x30x30cm	No.	25	2.38	59.50	0.40	89.25	111.46
3	Filling of Pits 45x45x45 cm	No.	25	2.72	68.00	0.45	102.00	127.39
4	Filling of Pits 30x30x30 cm	No.	25	1.91	47.75	0.32	71.63	89.45
5	Planting of Plants raised in P/Bags	No.	25	2.18	54.50	0.36	81.75	102.10
6	Planting of Plants with naked roots	No.	25	1.83	45.75	0.31	68.63	85.71
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	25	1.9	95.00	0.63	142.50	177.97
8	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	25	0.26	13.00	0.09	19.50	24.35
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:							916.13	1144.14
Or Say							900	1150
3rd to 5th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	12	4.77	57.24	0.38	85.86	107.23
2	Re-digging of Pits 30x30x30 cm	No.	12	2.38	28.56	0.19	42.84	53.50
3	Filling of Pits 45x45x45 cm	No.	12	2.72	32.64	0.22	48.96	61.15
4	Filling of Pits 30x30x30 cm	No.	12	1.91	22.92	0.15	34.38	42.94
5	Planting of Plants raised in P/Bags	No.	12	2.18	26.16	0.17	39.24	49.01
6	Planting of Plants with naked roots	No.	12	1.83	21.96	0.15	32.94	41.14
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	12	1.9	45.60	0.30	68.40	85.42
8	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	12	0.26	6.24	0.04	9.36	11.69
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:							523.98	654.39
Or Say							500	650

PLANTATION UNDER CAT PLANS

Norm for **NEW PLANTATION OF MEDICINAL SHRUBS AND HERBS** in Non-Tribal & Tribal Areas for 2018-19
(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
Bush cutting in strips/ patches (L/S)	LS	LS	913.60	1370.35	1716.21
Preparation of patches including digging & refilling (0.75x0.75x0.30m ³) @ Rs. 1110.46/100	1100 No.	1110.46 Per 100	12215.00	18322.00	22946.13
Planting of plants in patches @ Rs. 226.50/400	4400 No.	226.50 Per 400	2491.50	3737.15	4680.33
Cost of carriage of Plants (L/S)	LS	LS	2250.00	3374.91	4226.67
Nursery cost of Plants	4400 No.	3.40	14960.00	22439.39	28102.67
Total			32830.00	49243.80	61672.01
Or say			32830	49250	61650

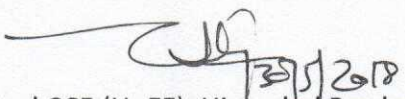
B. Norms for New Plantation of Annual/ Biannual Herbs (Model: 13200 Plants per ha.)

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
Bush cutting in strips/ patches (L/S)	LS	LS	913.60	1370.35	1716.21
Preparation of trenches/ patches including digging & stacking of soil along berms (1.00x0.50x0.15m ³) @ Rs. 1041.79/100	1100 No.	1041.79 Per 100	11459.69	17189.07	21527.26
Planting of plants in patches @ 295.21/1200	13200 No.	295.21 Per 1200	3247.31	4870.83	6100.13
Cost of carriage of Plants (L/S)	LS	LS	2250.00	3374.91	4226.67
Nursery cost of Plants	13200 No.	2.38	31416.00	47122.74	59015.62
Total			49286.60	73927.9	92585.89
Or say			49286	73900	92550

Abstract Norms for Plantation of Medicinal Shrubs and Herbs under CAT Plans:-

New Plantation of Shrub Species					
(For Non Tribal Areas @ Rs. 225/-)					
Component	No. of Plants per Hectare	Nursery cost	Fencing Cost	Planting cost	Total cost per Hectare
New Plantation of Shrub species	4400	22450	N.A.	26800	49250
Maintenance of old Plantations:					
1st Year Maintenance (10% Beating up)	440	2250	N.A.	2890	5140
2 nd Year Maintenance (8% Beating up)	352	1820	N.A.	2300	4120
3 rd Year Maintenance (5% Beating up)	220	1120	N.A.	1930	3050
(For Tribal Areas @ Rs. 281/-)					
New Plantation of Shrub species	4400	28100	N.A.	33550	61650
Maintenance of old Plantations:					
1st Year Maintenance (10% Beating up)	440	2780	N.A.	3640	6420
2 nd Year Maintenance (8% Beating up)	352	2250	N.A.	2890	5140
3 rd Year Maintenance (5% Beating up)	220	1390	N.A.	2410	3800

New Plantation of Herb Species					
(For Non Tribal Areas @ Rs. 225/-)					
Component	No. of Plants per Hectare	Nursery Cost	Fencing Cost	Planting Cost	Total Cost per Hectare
New Plantation of Herb species	13200	47100	N.A.	26800	73900
Maintenance of old Plantations:					
1st Year Maintenance (5% Beating up)	660	2350	N.A.	2800	5150
2 nd Year Maintenance (3% Beating up)	400	1450	N.A.	2700	4150
3 rd Year Maintenance (2% Beating up)	250	910	N.A.	2150	3060
(For Tribal Areas @ Rs. 281/-)					
Herb species Plantation	13200	59000	N.A.	33550	92550
Maintenance of plantations:					
1st Year Maintenance (5% Beating up)	660	2950	N.A.	3500	6450
2 nd Year Maintenance (3% Beating up)	400	1750	N.A.	3350	5100
3 rd Year Maintenance (2% Beating up)	250	1100		2700	3800


 Principal CCE (HoFF) Himachal Pradesh

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for REPLENISHMENT & ENHANCEMENT OF FOREST COVER (REFC) PLANTATION
in Non-Tribal & Tribal Areas for 2018-19
(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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21
2	Cutting and preparation of wooden fence posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape	No.	50	12.95	647.50	4.32	971.25	1212.98
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1023.00	1277.61
4	Charring and coaltaring of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	210.00	262.27
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	680.25	849.56
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
7	Carriage of B/Wire over a distance of 2 Kms	KM/Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	900.00	1124.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							13841.21	16070.94
Or Say							13850	16050
B.	PLANTING:-							
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51
2	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	7870.50	9829.38
3	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	3935.25	4914.69
4	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	2244.00	2802.51
5	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	1575.75	1967.94
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	550	1.9	2090.00	13.93	3135.00	3915.27
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	550	0.26	286.00	1.91	429.00	535.77
8	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	1798.50	2246.13
9	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	1509.75	1885.51
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							26386.95	32842.37
Or Say							26400	32850
Grand Total (A+B):							40250	48900

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF REPLENISHMENT & ENHANCEMENT OF FOREST COVER (REFC)

PLANTATIONS in Non-Tribal & Tribal Areas for 2018-19
 (Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Quantity	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. 225/- for Non- Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1180.58	1474.41
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	589.05	735.66
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	673.20	840.75
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	472.73	590.38
5	Planting of Plants raised in P/Bags	No.	165	2.18	359.70	2.40	539.55	673.84
6	Planting of Plants with naked roots	No.	165	1.83	301.95	2.01	452.93	565.65
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	165	1.9	627.00	4.18	940.50	1174.58
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	KM/No.	165	0.26	85.80	0.57	128.70	160.73
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:							5139.23	6418.32
Or Say							5150	6400
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	787.05	982.94
2	Re-digging of Pits 30x30x30cm	No.	110	2.38	261.80	1.75	392.70	490.44
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	448.80	560.50
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	315.15	393.59
5	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	359.70	449.23
6	Planting of Plants with naked roots	No.	110	1.83	201.30	1.34	301.95	377.10
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	110	1.9	418.00	2.79	627.00	783.05
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	85.80	107.15
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:							3480.15	4346.32
Or Say							3500	4350
3rd to 5th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	393.53	491.47
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	196.35	245.22
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	224.40	280.25
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	157.58	196.79
5	Planting of Plants raised in P/Bags	No.	55	2.18	119.90	0.80	179.85	224.61
6	Planting of Plants with naked roots	No.	55	1.83	100.65	0.67	150.98	188.55
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	313.50	391.53
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	42.90	53.58
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:							1821.08	2274.32
Or Say							1800	2250

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for REPLENISHMENT & ENHANCEMENT OF FOREST COVER (REFC) PLANTATION
 in Non-Tribal & Tribal Areas for 2018-19
 (Model: 800 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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
A SURVEY, DEMARCATION & FENCING:-								
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	151.50	189.21
2	Cutting and preparation of wooden fence posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape	No.	50	12.95	647.50	4.32	971.25	1212.98
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1023.00	1277.61
4	Charring and coaltaring of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	210.00	262.27
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	680.25	849.56
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
7	Carriage of B/Wire over a distance of 2 Kms	KM/Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	900.00	1124.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							13841.21	16070.94
Or Say							13850	16050
B. PLANTING:-								
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	1789.20	2234.51
2	Digging of Pits of 45x45x45 cm Size	No.	400	9.54	3816.00	25.44	5724.00	7148.64
3	Digging of Pits of 30x30x30 cm Size	No.	400	4.77	1908.00	12.72	2862.00	3574.32
4	Filling of Pits of 45x45x45 cm size	No.	400	2.72	1088.00	7.25	1632.00	2038.19
5	Filling of Pits of 30x30x30 cm size	No.	400	1.91	764.00	5.09	1146.00	1431.23
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	400	1.9	1520.00	10.13	2280.00	2847.47
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	400	0.26	208.00	1.39	312.00	389.65
8	Planting of Plants Raised in P/Bags	No.	400	2.18	872.00	5.81	1308.00	1633.55
9	Planting of Plants with naked roots	No.	400	1.83	732.00	4.88	1098.00	1371.28
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							20251.20	25179.50
Or Say							20250	25200
Grand Total (A+B):							34100	41250

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF REPLENISHMENT & ENHANCEMENT OF FOREST COVER (REFC)
PLANTATIONS in Non-Tribal & Tribal Areas for 2018-19
 (Model: 800 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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	120	4.77	572.40	3.82	858.60	1072.30
2	Re-digging of Pits 30x30x30 cm	No.	120	2.38	285.60	1.90	428.40	535.02
3	Filling of Pits 45x45x45 cm	No.	120	2.72	326.40	2.18	489.60	611.46
4	Filling of Pits 30x30x30 cm	No.	120	1.91	229.20	1.53	343.80	429.37
5	Planting of Plants raised in P/Bags	No.	120	2.18	261.60	1.74	392.40	490.06
6	Planting of Plants with naked roots	No.	120	1.83	219.60	1.46	329.40	411.38
7	Carriage of Plants in P. Bags over distance of 2 Km uphill/downhill	KM/ No.	120	1.9	456.00	3.04	684.00	854.24
8	Carriage of naked root plants over a distance of 2 Km uphill/downhill	KM/ No.	120	0.26	62.40	0.42	93.60	116.90
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:					2521.20	16.81	3781.80	4723.05
Or Say					3650.00		3800	4700
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	80	4.77	381.60	2.54	572.40	714.86
2	Re-digging of Pits 30x30x30 cm	No.	80	2.38	190.40	1.27	285.60	356.68
3	Filling of Pits 45x45x45 cm	No.	80	2.72	217.60	1.45	326.40	407.64
4	Filling of Pits 30x30x30 cm	No.	80	1.91	152.80	1.02	229.20	286.25
5	Planting of Plants raised in P/Bags	No.	80	2.18	174.40	1.16	261.60	326.71
6	Planting of Plants with naked roots	No.	80	1.83	146.40	0.98	219.60	274.26
7	Carriage of Plants in P/Bags over a distance of 2 Km uphill/downhill	No.	80	1.9	304.00	2.03	456.00	569.49
8	Carriage of Plants in P/Bags over distance of 2 Km uphill/downhill	No.	80	0.26	41.60	0.28	62.40	77.93
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:					1716.80	11.45	2575.20	3216.14
Or Say					2500		2600	3200
3rd to 5th YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	40	4.77	190.80	1.27	286.20	357.43
2	Re-digging of Pits 30x30x30 cm	No.	40	2.38	95.20	0.63	142.80	178.34
3	Filling of Pits 45x45x45 cm	No.	40	2.72	108.80	0.73	163.20	203.82
4	Filling of Pits 30x30x30 cm	No.	40	1.91	76.40	0.51	114.60	143.12
5	Planting of Plants raised in P/Bags	No.	40	2.18	87.20	0.58	130.80	163.35
6	Planting of Plants with naked roots	No.	40	1.83	73.20	0.49	109.80	137.13
7	Carriage of Plants in P/Bags over a distance of 2 Km uphill/downhill	No.	40	1.9	152.00	1.01	228.00	284.75
8	Carriage of Plants in P/Bags over distance of 2 Km uphill/downhill	No.	40	0.26	20.80	0.14	31.20	38.97
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:					912.40	6.08	1368.60	1709.23
Or Say					1300		1350	1700

[Signature]
2018

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS

Norm for PLANTATION IN LANTANA CLEARED AREAS

in Non-Tribal & Tribal Areas for 2018-19

(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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-							
1	Survey & Demarcation of Plantation Area	ha.	0	101.00	0.00	0.00	0.00	0.00
2	Cutting and preparation of wooden fence posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape	No.	50	12.95	647.50	4.32	971.25	1212.98
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1023.00	1277.61
4	Charring and coaltaring of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	210.00	262.27
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	680.25	849.56
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
7	Carriage of B/Wire over a distance of 2 Kms	KM/Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	900.00	1124.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							13689.71	15881.73
Or Say							13700	15900
B.	PLANTING:-							
1	Bush Cutting in Strips (3m x 3m)	ha.	0	1192.80	0.00	0.00	0.00	0.00
2	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	7870.50	9829.38
3	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	3935.25	4914.69
4	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	2244.00	2802.51
5	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	1575.75	1967.94
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	550	1.9	2090.00	13.93	3135.00	3915.27
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	550	0.26	286.00	1.91	429.00	535.77
8	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	1798.50	2246.13
9	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	1509.75	1885.51
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							24597.75	30607.86
Or Say							24600	30600
Grand Total (A+B):							38300	46500

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF PLANTATIONS IN LANTANA CLEARED AREAS
 in Non-Tribal & Tribal Areas for 2018-19
 (Model: 1100 Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Quantity	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. 225/- for Non- Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1180.58	1474.41
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	589.05	735.66
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	673.20	840.75
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	472.73	590.38
5	Planting of Plants raised in P/Bags	No.	165	2.18	359.70	2.40	539.55	673.84
6	Planting of Plants with naked roots	No.	165	1.83	301.95	2.01	452.93	565.65
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	165	1.9	627.00	4.18	940.50	1174.58
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	KM/No.	165	0.26	85.80	0.57	128.70	160.73
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:							5139.23	6418.32
Or Say							5150	6400
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	787.05	982.94
2	Re-digging of Pits 30x30x30cm	No.	110	2.38	261.80	1.75	392.70	490.44
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	448.80	560.50
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	315.15	393.59
5	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	359.70	449.23
6	Planting of Plants with naked roots	No.	110	1.83	201.30	1.34	301.95	377.10
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	110	1.9	418.00	2.79	627.00	783.05
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	85.80	107.15
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:							3480.15	4346.32
Or Say							3500	4350
3rd YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	393.53	491.47
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	196.35	245.22
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	224.40	280.25
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	157.58	196.79
5	Planting of Plants raised in P/Bags	No.	55	2.18	119.90	0.80	179.85	224.61
6	Planting of Plants with naked roots	No.	55	1.83	100.65	0.67	150.98	188.55
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	313.50	391.53
8	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	42.90	53.58
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:							1821.08	2274.32
Or Say							1800	2250

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS

Norm for PLANTATION IN LANTANA CLEARED AREAS

in Non-Tribal & Tribal Areas for 2018-19

(Model: 800 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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
A SURVEY, DEMARCATION & FENCING:-								
1	Survey & Demarcation of Plantation Area	ha.	0	101.00	0.00	0.00	0.00	0.00
2	Cutting and preparation of wooden fence posts 1.85 mt long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cms in conical shape	No.	50	12.95	647.50	4.32	971.25	1212.98
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1023.00	1277.61
4	Charring and coaltaring of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	210.00	262.27
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	680.25	849.56
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	537.00	670.65
7	Carriage of B/Wire over a distance of 2 Kms	KM/ Qtl.	0.75	73.65	110.48	0.74	165.71	206.96
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4320.00	5395.20
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	900.00	1124.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
Total -A/Survey, Demarcation & Fencing:							13689.71	15881.73
Or Say							13700	15900
B. PLANTING:-								
1	Bush Cutting in Strips (3m x 3m)	ha.	0	1192.80	0.00	0.00	0.00	0.00
2	Digging of Pits of 45x45x45 cm Size	No.	400	9.54	3816.00	25.44	5724.00	7148.64
3	Digging of Pits of 30x30x30 cm Size	No.	400	4.77	1908.00	12.72	2862.00	3574.32
4	Filling of Pits of 45x45x45 cm size	No.	400	2.72	1088.00	7.25	1632.00	2038.19
5	Filling of Pits of 30x30x30 cm size	No.	400	1.91	764.00	5.09	1146.00	1431.23
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	400	1.9	1520.00	10.13	2280.00	2847.47
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	400	0.26	208.00	1.39	312.00	389.65
8	Planting of Plants Raised in P/Bags	No.	400	2.18	872.00	5.81	1308.00	1633.55
9	Planting of Plants with naked roots	No.	400	1.83	732.00	4.88	1098.00	1371.28
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1650.00	2060.67
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS	450.00	0.00	450.00	450.00
Total -B/Planting:							18462.00	22944.99
Or Say							18500	22900
Grand Total (A+B):							32200	38800

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF OLD PLANTATIONS IN LANTANA CLEARED AREAS
 in Non-Tribal & Tribal Areas for 2018-19
 (Model: 800 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. 225/- for Non-Tribal areas	Amount at wage rate of Rs. 281/- for Tribal areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	120	4.77	572.40	3.82	858.60	1072.30
2	Re-digging of Pits 30x30x30 cm	No.	120	2.38	285.60	1.90	428.40	535.02
3	Filling of Pits 45x45x45 cm	No.	120	2.72	326.40	2.18	489.60	611.46
4	Filling of Pits 30x30x30 cm	No.	120	1.91	229.20	1.53	343.80	429.37
5	Planting of Plants raised in P/Bags	No.	120	2.18	261.60	1.74	392.40	490.06
6	Planting of Plants with naked roots	No.	120	1.83	219.60	1.46	329.40	411.38
7	Carriage of Plants in P. Bags over distance of 2 Km uphill/downhill	KM/ No.	120	1.9	456.00	3.04	684.00	854.24
8	Carriage of naked root plants over a distance of 2 Km uphill/downhill	KM/ No.	120	0.26	62.40	0.42	93.60	116.90
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/1st Year Maintenance:					2521.20	16.81	3781.80	4723.05
Or Say					3650.00		3800	4700
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	80	4.77	381.60	2.54	572.40	714.86
2	Re-digging of Pits 30x30x30cm	No.	80	2.38	190.40	1.27	285.60	356.68
3	Filling of Pits 45x45x45 cm	No.	80	2.72	217.60	1.45	326.40	407.64
4	Filling of Pits 30x30x30 cm	No.	80	1.91	152.80	1.02	229.20	286.25
5	Planting of Plants raised in P/Bags	No.	80	2.18	174.40	1.16	261.60	326.71
6	Planting of Plants with naked roots	No.	80	1.83	146.40	0.98	219.60	274.26
7	Carriage of Plants in P/Bags over a distance of 2 Km uphill/downhill	No.	80	1.9	304.00	2.03	456.00	569.49
8	Carriage of Plants in P/Bags over distance of 2 Km uphill/downhill	No.	80	0.26	41.60	0.28	62.40	77.93
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/2nd Year Maintenance:					1716.80	11.45	2575.20	3216.14
Or Say					2500		2600	3200
3rd YEAR MAINTENANCE (10 % BEATING UP):								
1	Re-digging of Pits 45x45x45 cm	No.	40	4.77	190.80	1.27	286.20	357.43
2	Re-digging of Pits 30x30x30 cm	No.	40	2.38	95.20	0.63	142.80	178.34
3	Filling of Pits 45x45x45 cm	No.	40	2.72	108.80	0.73	163.20	203.82
4	Filling of Pits 30x30x30 cm	No.	40	1.91	76.40	0.51	114.60	143.12
5	Planting of Plants raised in P/Bags	No.	40	2.18	87.20	0.58	130.80	163.35
6	Planting of Plants with naked roots	No.	40	1.83	73.20	0.49	109.80	137.13
7	Carriage of Plants in P/Bags over a distance of 2 Km uphill/downhill	No.	40	1.9	152.00	1.01	228.00	284.75
8	Carriage of Plants in P/Bags over distance of 2 Km uphill/downhill	No.	40	0.26	20.80	0.14	31.20	38.97
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	162.00	202.32
Total/3rd Year Maintenance:					912.40	6.08	1368.60	1709.23
Or Say					1300		1350	1700

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for PLANTATIONS IN LANTANA CLEARED AREAS in Non-Tribal & Tribal Areas for 2018-19
 (Model: 500 Tall Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty	Rate per Unit at the wage rate of 150/-	Norm at the wage rate of 225/- for Non-Tribal areas	Norm at the wage rate of 281/- for Tribal areas
A	SURVEY, DEMARCATION & FENCING:-					
1	Survey/Demarcation of Plantation area i/c marking of sections	Ha	1	101.00	151.49	189.37
2	Cutting and preparation of wooden fence posts 1.85 mtr long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cm in conical shape	No	50	12.95	971.20	1214.00
3	Charring and coaltarring of ends of fence posts upto 45 cms at bottom and 15 cms at conical end	No.	50	2.8	209.99	262.49
4	Cost of carriage of wooden Fence posts upto 1 Kms uphill/downhill	No/Km	50	6.82	511.47	639.34
5	Preparation/Digging of holes of 20-30 cm dia and 45 cm deep for fixing of wooden fence posts	No.	50	9.06	679.46	849.33
6	Fixing of wooden fence posts i/c strutting	No	50	7.16	536.97	671.22
7	Carriage of B/wire from store to nearest road head near plantation site in motor transport (average carriage 10 kms)	Qntl	0.84	LS	535.70	535.70
8	Carriage of b/wire manually over a distance of 1 Kms uphill/downhill from road side to plantation site	KM/ Qntl.	0.84	73.65	92.79	115.99
9	Stretching and fixing of b/wire in four strands	Rmt	585	4.80	4211.78	5264.73
10	Interlacing of thorny bushes along the fence	Rmt	147	4.09	901.80	1127.25
11	Cost of B/wire	Qntl	0.84	6510	5858.84	5858.84
12	cost of U- staple	Qntl	0.01	6400	68.57	68.57
Total -A/Survey, Demarcation & Fencing:					14730.08	16796.82
	Or Say				14750	16800
B.	PLANTING:-					
1	Clearing the site of weeds/Bush cutting in strips of 1 to 2 mtr wide	Ha	0	1192.8	0.00	0.00
2	Digging of pits 60x60x60 cm	No	500	17.45	13086.82	16358.53
3	Filling of Pits 60x60x60 cms	No	500	3.54	2654.86	3318.58
4	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	500	LS	2142.80	2142.80
5	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Km uphill/downhill	No/km	500	14.76	11069.43	13836.79
6	Planting of tall plants in pits i/c ramming	No	500	6.54	4904.75	6130.93
7	Construction of Inspection Path 60 cm wide	Rmt	100	11.00	1649.91	2062.39
8	Mulching of Plants	No	500	0.84	629.97	787.46
11	Moisture retention Interventions/Trenching/Water harvesting/Watering during stress period	No	500	LS	2035.66	2137.44
Total -B/Planting:					38174.20	46774.92
	Or Say				38150	46750
Total Fencing and Planting (A+B)					52900	63550

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF PLANTATIONS IN LANTANA CLEARED AREAS
 in Non-Tribal & Tribal Areas for 2018-19
 (Model: 500 Tall Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty	Rate per Unit at the wage rate of 150/-	Norm at the wage rate of 225/- for Non-Tribal areas	Norm at the wage rate of 281/- for Tribal areas
---------	----------------------	------	-----	---	---	---

1st Year Maintenance (10% beating up of failures)						
1	Re-Digging of pits 60x60x60 cm	No	50	10.48	785.96	982.45
2	Filling of Pits 60x60x60 cms	No	50	3.54	265.49	331.86
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	50	LS	321.42	321.42
4	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Kms uphill/downhill	No	50	14.76	1106.94	1054.23
5	Planting of tall plants in pits i/c ramming	No	50	6.54	490.47	613.09
6	Repair of fencing	Rmt	50	1.80	134.99	168.74
7	Moisture retention Interventions/Trenching/Water	No	50	LS	107.14	107.14
TOTAL 1st Year Maintenance					3212.42	3578.93
Or Say					3200	3600
2nd Year Maintenance (5% beating up of failures)						
1	Re-Digging of pits 60x60x60 cm	No	25	10.48	392.98	491.22
2	Filling of Pits 60x60x60 cms	No	25	3.54	132.74	165.93
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	25	LS	321.42	321.42
4	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Kms uphill/downhill	No	25	14.76	553.47	691.84
5	Planting of tall plants in pits i/c ramming	No	25	6.54	245.24	306.55
6	Repair of fencing	Rmt	25	1.80	67.50	84.37
7	Moisture retention Interventions/Trenching/Water	No	25	LS	107.14	107.14
TOTAL 2nd Year Maintenance					1820.49	2168.47
Or Say					1800	2150
3rd Year Maintenance (2% beating up of failures)						
1	Re-Digging of pits 60x60x60 cm	No	10	10.48	157.19	196.49
2	Filling of Pits 60x60x60 cms	No	10	3.54	53.10	66.37
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	10	LS	160.71	160.71
4	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Kms uphill/downhill	No	10	14.76	221.39	276.74
5	Planting of tall plants in pits i/c ramming	No	10	6.54	98.09	122.62
6	Repair of fencing	Rmt	50	1.80	134.99	168.74
TOTAL 3rd Year Maintenance					825.48	991.67
Or Say					850	1000
TOTAL Maintenance cost for 3 years					5850	6750

[Signature]
 2018

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS

Norm for PLANTATIONS IN LANTANA CLEARED AREAS

in Non-Tribal & Tribal Areas for 2018-19

(Model: 200 Tall Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of 150/-	Norm at wage rate of 225/- for Non-Tribal areas	Norm at wage rate of 281/- for Tribal areas
A SURVEY, DEMARCATION & FENCING:-						
1	Survey/demarcation of plantation area i/c marking of sections	Ha	1	101.00	151.49	189.37
2	Cutting and preparation of wooden fence posts 1.85 mtr long and 8 to 10 cm dia including debarking and fashioning the top 1.5 cm in conical shape	No	50	12.95	971.20	1214.00
3	Charring and coaltarring of ends of fence posts upto 45 cms at bottom and 15 cms at conical end	No.	50	2.8	209.99	262.49
4	Cost of carriage of wooden Fence posts upto 1 Kms uphill/downhill	No/Km	50	6.82	511.47	639.34
5	Preparation/Digging of holes of 20-30 cm dia and 45 cm deep for fixing of wooden fence posts	No.	50	9.06	679.46	849.33
6	Fixing of wooden fence posts i/c strutting	No	50	7.16	536.97	671.22
7	Carriage of B/wire from store to nearest road head near plantation site in motor transport (average carriage 10 kms)	Qntl	0.84	LS	535.70	535.70
8	Carriage of b/wire manually over a distance of 1 Kms uphill/downhill from road side to plantation site	KM/Qntl	0.84	73.65	92.79	115.99
9	Stretching and fixing of b/wire in four strands	Rmt	585	4.80	4211.78	5264.73
10	Interlacing of thorny bushes along the fence	Rmt	147	4.09	901.80	1127.25
11	Cost of B/wire	Qntl	0.84	6510	5468.40	5468.40
12	cost of U- staple	Qntl	0.01	6400	64.00	64.00
Total -A/Survey, Demarcation & Fencing:					14335.07	16401.81
Or Say					14350	16400
B PLANTING:-						
1	Clearing the site of weeds/Bush cutting in strips of 1 to 2 mtr wide	Ha	0	1192.8	0.00	0.00
2	Digging of pits 60x60x60 cm	No	200	17.45	5234.73	6543.41
3	Filling of Pits 60x60x60 cms	No	200	3.54	1061.95	1327.43
4	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	200	LS	800.00	800.00
5	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Kms uphill/downhill manually	No/km	200	14.76	4427.77	5534.71
6	Planting of tall plants in pits i/c ramming	No	200	6.54	1961.90	2452.37
7	Construction of Inspection Path 60 cm wide	Rmt	100	11.00	1649.91	2062.39
8	Mulching of Plants	No	200	0.84	251.99	314.98
11	Moisture retention Interventions/Trenching/Water harvesting/Watering during stress period	No	200	LS	800.00	800.00
Total -B/Planting:					16188.25	19835.31
Or Say					16200	19050
Total Fencing and Planting (A+B)					30550	35450

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF PLANTATIONS IN LANTANA CLEARED AREAS
in Non-Tribal & Tribal Areas for 2018-19

(Model: 200 Tall Plants per Hectare - Activity-wise Calculations)

Sr. No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of 150/-	Norm at wage rate of 225/- for Non-Tribal areas	Norm at wage rate of 281/- for Tribal areas
---------	----------------------	------	-----	-------------------------------------	---	---

1st Year Maintenance (10% beating up of failures)						
1	Re-Digging of pits 60x60x60 cm	No	20	10.48	314.38	392.98
2	Filling of Pits 60x60x60 cms	No	20	3.54	106.19	132.74
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	20	LS	120.00	120.00
4	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Kms uphill/downhill	No	20	14.76	442.78	421.69
5	Planting of tall plants in pits i/c ramming	No	20	6.54	196.19	245.24
6	Repair of fencing	Rmt	50	1.80	134.99	168.74
7	Moisture retention Interventions/Trenching/Water harvesting/Watering during stress period	No	20	LS	40.00	40.00
TOTAL 1st Year Maintenance					1354.54	1521.39
Or Say					1350	1500

2nd Year Maintenance (5% beating up of failures)						
1	Re-Digging of pits 60x60x60 cm	No	10	10.48	157.19	196.49
2	Filling of Pits 60x60x60 cms	No	10	3.54	53.10	66.37
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	10	LS	64.28	64.28
4	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Kms uphill/downhill	No	10	14.76	221.39	276.74
5	Planting of tall plants in pits i/c ramming	No	10	6.54	98.09	122.62
6	Repair of fencing	Rmt	50	1.80	134.99	168.74
7	Moisture retention Interventions/Trenching/Water harvesting/Watering during stress period	No	10	LS	20.00	20.00
TOTAL 2nd Year Maintenance					749.05	915.24
Or Say					750	900

3rd Year Maintenance (2% beating up of failures)						
1	Re-Digging of pits 60x60x60 cm	No	4	10.48	62.88	78.60
2	Filling of Pits 60x60x60 cms	No	4	3.54	21.24	26.55
3	Carriage of poly plants from nursery to nearest road head near plantation site in motor transport (average distance 10 Kms)	No	4	LS	160.71	160.71
4	Carriage of plants in Poly bags (12"x18") from road side to plantation site over a distance of 1 Kms uphill/downhill	No	4	14.76	88.56	110.69
5	Planting of tall plants in pits i/c ramming	No	4	6.54	39.24	49.05
6	Repair of fencing	Rmt	50	1.80	134.99	168.74
TOTAL 3rd Year Maintenance					507.61	594.34
Or Say					500	600
TOTAL Maintenance cost for 3 years					2600	3000

July 2018

PLANTATIONS UNDER NPV - FENCING WITH WOODEN FENCE POSTS
Norm for MAINTENANCE OF PLANTATIONS IN LANTANA CLEARED AREAS
in Non-Tribal & Tribal Areas for 2018-19

(Model: 500 Normal Plants per Hectare - Activity-wise Calculations)

Sr. No	Particulars of work fencing	Unit	Qty.	Rate per Unit at the wage rate of Rs. 150/-	Amount at the wage rate of Rs. 150/- for Non-Tribal Areas	Mandays involved	Amount at the wage rate of Rs. 225/- for Non-Tribal Areas	Amount at the wage rate of Rs. 281/- for Tribal Areas
1st YEAR MAINTENANCE (30 % BEATING UP):								
1	Re-digging of pits 30 cm x 30 cm x 30 cm.	No.	150.00	2.38	357.00	2.38	535.50	668.78
2	Filling of pits. 30 cm x 30 cm x30 cm.	No.	150.00	1.90	285.00	1.90	427.50	533.9
3	Carriage of plants in polythene bags (Up Hill side).	No.	150.00	2.18	327.00	2.18	490.50	612.58
4	Planting of plants in pits l/c ramming raised in p/bags	No.	150.00	2.18	327.00	2.18	490.50	612.58
5	Mulching of plants.	No.	150.00	0.55	82.50	0.55	123.75	154.55
6	Maintenance of Fencing	Rmt	60.00	1.80	108.00	0.72	162.00	202.32
Total							2229.75	2784.71
Or Say							2250	2800
2nd YEAR MAINTENANCE (20 % BEATING UP):								
1	Re-digging of pits 30 cm x 30 cm x 30 cm.	No.	100.00	2.38	238.00	1.59	357.00	445.85
2	Filling of pits. 30 cm x 30 cm x30 cm.	No.	100.00	1.90	190.00	1.27	285.00	355.93
3	Carriage of plants in polythene bags (Up Hill side).	No.	100.00	2.18	218.00	1.45	327.00	408.39
4	Planting of plants in pits l/c ramming raised in p/bags	No.	100.00	2.18	218.00	1.45	327.00	408.39
5	Mulching of plants.	No.	100.00	0.55	55.00	0.37	82.50	103.03
6	Maintenance of Fencing	Rmt	60.00	1.80	108.00	0.72	162.00	202.32
Total							1540.50	1923.91
Or Say							1550	1900
3rd YEAR MAINTENANCE (10% BEATING UP):								
1	Re-digging of pits 30 cm x 30 cm x 30 cm.	No.	50.00	2.38	119.00	0.79	178.50	222.93
2	Filling of pits. 30 cm x 30 cm x30 cm.	No.	50.00	1.90	95.00	0.63	142.50	177.97
3	Carriage of plants in polythene bags (Up Hill side).	No.	50.00	2.18	109.00	0.73	163.50	204.19
4	Planting of plants in pits l/c ramming raised in p/bags	No.	50.00	2.18	109.00	0.73	163.50	204.19
5	Mulching of plants.	No.	50.00	0.55	27.50	0.18	41.25	51.52
6	Maintenance of Fencing	Rmt	60.00	1.80	108.00	0.72	162.00	202.32
Total							851.25	1063.12
Or Say							850	1050


Pr. Chief Conservator of Forests (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 2018-19

Sr. No	Particulars of work	Qty.	Unit	Rate	Amount @ Rs.150/=	Amount @ Rs.225/=
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	0.00
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	39.7		150	5949.00	8923.50
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08		150	462.00	693.00
4	Cleaning of lantana (sprouts) & seedlings One time after first cut	2		150	300.00	450.00
5	Tending operations	1.15		150	172.50	258.75
6	Cost of seed	1	Kg./ Ha.	650	650.00	860.24
Total					7533.50	11185.49
7	Contingency @ 5% of total cost				376.68	559.27
G. Total					7910.18	11744.77
Or Say					7900	11750
*Contingencies: For tools,photos,documentation,exposure visits,workshops etc.						

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 25%
in Non-Tribal Areas for 2018-19

YEAR -II						
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08	Mandays/ Per Ha.	150	462.00	693
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year	6		150	900.00	1350
3	Cost of seed	1	Kg./ Ha.	650	650.00	860.24
4	Tending operations	1.15	Mandays/ Per Ha.	150	172.50	258.75
Total					2184.50	3161.99
Or Say					2200	3150

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for 2ND MAINTENANCE OF CLEARED AREAS INFESTED UP TO 25%
in Non-Tribal Areas for 2018-19

YEAR - III						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the year.	4.5	Mandays/ Per Ha.	150	675.00	1012.50
2	Tending operations	1.15		150	172.50	258.75
Total					847.50	1271.25
Or Say					850	1250

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for 3RD MAINTENANCE OF CLEARED AREAS INFESTED UP TO 25%
in Non-Tribal Areas for 2018-19

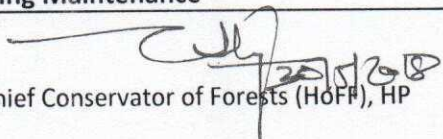
YEAR - IV						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughout the	4.5	Mandays/ Per Ha.	150	675.00	1012.50
2	Tending operations	1.15		150	172.50	258.75
Total					847.50	1271.25
Or Say					850	1250
Total Cost including Maintenance					11800	17400

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for CLEARING OF AREAS INFESTED UP TO 50%
in Non-Tribal Areas for 2018-19

Sr. No	Particulars of work	Qty	Unit	Rate	Amount @ Rs. 150/-	Amount @ Rs. 225/-
YEAR-I						
1	Survey and Demarcation of plantation area l/c marking of sections, path and preparation of map	0		150	0.00	0.00
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	68	Mandays/ Per Ha.	150	10149.00	15223.50
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.1		150	462.00	693.00
4	Cleaning of lantana(sprouts) and seedlings One time after first cut	4		150	600.00	900.00
5	Tending operations	1.2		150	172.50	258.75
6	Cost of seed	1	Kg./Ha.	650	650.00	860.00
Total					12033.50	17935.25
7	Contingency @ 5% of total cost				601.68	896.76
G.Total					12635.18	18832.02
Or Say					12650.00	18850
Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 50% in Non-Tribal Areas for 2018-19						
YEAR -II						
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.1	Mandays/ Per Ha.	150	462.00	693
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	12		150	1800.00	2700
3	Cost of seed	1	Kg./Ha.	650	650.00	860.24
4	Tending operations	1.2	Mandays/ Per Ha.	150	172.50	258.75
Total					3084.50	4511.99
Or Say					3100.00	4500
Norm for 2ND MAINTENANCE OF CLEARED AREAS INFESTED UP TO 50% in Non-Tribal Areas for 2018-19						
YEAR - III						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	9	Mandays/ Per Ha.	150	1350.00	2025.00
2	Tending operations	1.2		150	172.50	258.75
Total					1522.50	2283.75
Or Say					1500.00	2300
Norm for 3RD MAINTENANCE OF CLEARED AREAS INFESTED UP TO 50% in Non-Tribal Areas for 2018-19						
YEAR - IV						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	9	Mandays/ Per Ha.	150	1350.00	2025
2	Tending operations	1.2		150	172.50	258.75
Total					1522.50	2283.75
Or Say					1500.00	2300
Total Cost including Maintenance					18750.00	27950

REHABILITATION OF AREAS INFESTED WITH INVASIVE ALIEN SPECIES UNDER NPV
Norm for CLEARING OF AREAS INFESTED UP TO 75%
in Non-Tribal Areas for 2018-19

Sr. No	Particulars of work fencing	Qnty.	Unit	Rate	Amount @ Rs. 150/-	Amount @ Rs. 225/-
YEAR-I						
1	Survey and Demarcation of plantation area l/c marking of sections, path and preparation of map	0		150	0.00	0.00
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	86.33	Mandays/ Per Ha.	150	12949.50	19424.25
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08		150	462.00	693.00
4	Cleaning of lantana (sprouts) and seedlings One time after first cut	6		150	900.00	1350.00
5	Tending operations	1.15		150	172.50	258.75
6	Cost of seed	1	Kg./ Ha.	650	650.00	860.24
Total					15134.00	22586.24
7	Contingency @5% of total cost				756.70	1129.31
G.Total					15890.70	23715.56
	Or Say				15900.00	23700
Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 75% in Non-Tribal Areas for 2018-19						
YEAR -II						
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08	Mandays/ Per Ha.	150	462.00	693.00
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	15		150	2250.00	3375.00
3	Cost of seed	1	Kg./Ha.	650	650.00	860.32
4	Tending operations	1.15	Mandays/ Per Ha.	150	172.50	258.75
Total					3534.50	5187.07
Or Say					3550.00	5200
Norm for 2ND MAINTENANCE OF CLEARED AREAS INFESTED UP TO 75% in Non-Tribal Areas for 2018-19						
YEAR - III						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	13	Mandays/ Per Ha.	150	1950.00	2925.00
2	Tending operations	1.15		150	172.50	258.75
Total					2122.50	3183.75
Or Say					2100.00	3200
Norm for 3RD MAINTENANCE OF CLEARED AREAS INFESTED UP TO 75% in Non-Tribal Areas for 2018-19						
YEAR - IV						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	13	Mandays/ Per Ha.	150	1950.00	2925.00
2	Tending operations	1.15		150	172.50	258.75
Total					2122.50	3183.75
Or Say					2100.00	3200
Total Cost including Maintenance					23650.00	35300


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 2018-19

Sr. No	Particulars of work fencing	Qty.	Unit	Rate	Amount @ 150/-	Amount @ Rs. 225/-
YEAR-I						
1	Survey and Demarcation of plantation area l/c marking of sections, path and preparation of map	0		150	0.00	0.00
2	Cutting/ removal/ disposal of lantana (Cut Root Stock Method)	105	Mandays/ Per Ha.	150	15750.00	23625.00
3	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08		150	462.00	693.00
4	Cleaning of lantana(sprouts) and seedlings One time after first cut	8		150	1200.00	1800.00
5	Tending operations	1.15		150	172.50	258.75
6	Cost of seed	1	Kg./ Ha.	650	650.00	860.24
Total					18234.50	27236.99
7	Contingency @5% of total cost				911.73	1361.85
G. Total					19146.23	28598.84
or say					19150.00	28600
Norm for 1st MAINTENANCE OF CLEARED AREAS INFESTED UP TO 100% in Non-Tribal Areas for 2018-19						
YEAR -II						
1	Broadcast sowing of grass seed including conversion into pellets in plantation area	3.08	Mandays/ Per Ha.	150	462.00	693.00
2	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	15		150	2250.00	3375.00
3	Cost of seed	1	Kg./ Ha.	650	650.00	860.24
4	Tending operations	1.15	Mandays/ Per Ha.	150	172.50	258.75
Total					3534.50	5186.99
Or Say					3500.00	5200
Norm for 2nd MAINTENANCE OF CLEARED AREAS INFESTED UP TO 100% in Non-Tribal Areas for 2018-19						
YEAR - III						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	13	Mandays/ Per Ha.	150	1950.00	2925.00
2	Tending operations	1.15		150	172.50	258.75
Total					2122.50	3183.75
Or Say					2100.00	3200
Norm for 3rd MAINTENANCE OF CLEARED AREAS INFESTED UP TO 100% in Non-Tribal Areas for 2018-19						
YEAR - IV						
1	Cleaning of lantana (sprouts) and seedlings, 3 times throughtout the year	13	Mandays/ Per Ha.	150	1950.00	2925.00
2	Tending operations	1.15		150	172.50	258.75
Total					2122.50	3183.75
Or Say					2100.00	3200
Total Cost including Maintenance					26850	40200