

No.Ft. 1790-/71(D)2011-12/Vol-VIII(Norms)  
Himachal Pradesh Forest Department

Dated Shimla, the

From: Pr. CCF (HoFF)HP

To:1. Pr. CCF (WL) HP  
2. PCCF (M&E & Eco Tourism)  
3. APCCF (CAT Plans & CAMPA) Shimla  
4. APCCFs (R&T) Sundernagar;  
APCCF (IT); (Projects & EAPs)  
o/o Pr. CCF HP  
5. CPDs IDP Solan; HPFECPP  
(KfW) D/shala & HPFEMLP Shimla  
6. All CCFS/CFs (T & WL) in HP  
7. Registrar (Bud) O/o CCF (HoFF) HP

Subject: Cost norms for raising New Plantations and Maintenance of Old Plantations (Normal Plantations) for Non-Tribal & Tribal Areas for the year 2019-20.

Memo

P-233 | Consequent upon the revision of daily wage rates from existing ₹225/- to ₹ 250/- per day in the state of Himachal Pradesh vide Finance Department letter No. FIN-(PR)B(7)-33/2010 dated 20.02.2018, the cost norms for raising of new plantation and maintenance of old plantations for 5 years (Normal Plantations) in Non-Tribal & Tribal-I & Tribal -II areas have been calculated on increased wage rates and are enclosed herewith for taking further necessary action.

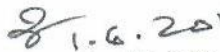
These cost norms indicate the upper limits and DFOs will choose items and book actual cost such that the total expenditure should not exceed the indicated per hectare cost norms.

Encl: As above.

*8.1.5.2019*  
Pr. Chief Conservator of Forests (HoFF),  
Himachal Pradesh

Abstract of Per Ha. Norms for raising Normal plantation & maintenance of 5 year old maintenance during the year 2019-20 (Based on basic wage rate of ₹250/- per day)

Name of scheme	New Plantation		
	N/Tribal	Tribal-1	Tribal-II
Afforestation/Re-afforestation of Scrub Areas/Soil and Water Conservation	42000	51100	102000
Enrichment	37100	44600	93500
Dev. Of Pasture & Grazing lands			
a) Alpine Pasture	28400	35800	--
b)Low lying grazing lands	33300	42100	--
Maintenance			
Afforestation/Re-afforestation of Scrub Areas/Soil and Water Conservation			
1st Year Maintenance	5700	7100	39700
2nd Year Maintenance	3800	4800	25800
3rd Year Maintenance	2900	3600	15000
4th & 5th Year Maintenance	2000	2500	7200
Enrichment			
1st Year Maintenance	4200	5200	28800
2nd Year Maintenance	2800	3500	18700
3rd Year Maintenance	2200	2700	10900
4th & 5th Year Maintenance	1500	1900	5200
Dev. Of Pasture & Grazing lands			
a) Alpine Pasture			
1st Year Maintenance	3750	4680	4680
2nd Year Maintenance	2500	3100	3100
3rd Year Maintenance	1250	1550	1550
4th & 5th Year Maintenance	625	770	770
b)Low lying grazing lands			
1st Year Maintenance	3890	4900	4900
2nd Year Maintenance	2840	3530	3530
3rd Year Maintenance	1630	2050	2050
4th & 5th Year Maintenance	840	1050	1050

  
 Pr. Chief Conserator of Forests (HoFF)  
 Himachal Ptheadesh

**Himachal Pradesh Forest Department**

**Norms for New Plantations (Normal) for the year 2019-20 [Non-Tribal; Tribal-I & Tribal-II areas] w.e.f. 01.04.2019**

(In Rupees)

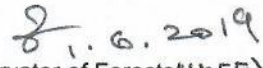
S. No	Name of Scheme	Plants per ha	Component	Non Tribal	Tribal I	Tribal II	Remarks	
1	i) Afforestation	1100	Fencing Cost including material component	15156	17625	71000	B/wire fencing in Non-Tribal & Tribal-I areas and Stone Fencing in Tribal -II (Keylong & Jhalma Ranges of Lahaul Division) Areas - Wage rate ₹ 250/- per day for non-tribal & ₹ 312/- per day for tribal areas.	
	ii) Re-afforestation of Scrub Areas		Planting Cost	26830	33484	31000		
	iii) Soil and Water Conservation							
			Total	41986	51109	102000		
			OR SAY	42000	51100	102000		
2	i) Enrichment Planting	800	Fencing Cost including material component	15156	17625	71124		
			Planting Cost	22001	27050	22688		
			Total	37157	44675	93812		
			OR SAY	37100	44600	93500		
			 Pr. Chief Conserator of Forests (HoFF) Himachal Ptradesh					

**Cost Norms per hectare for raising Normal Plantation for the year 2019-20 in respect of Schemes Afforestation/Re-afforestation of Scrub Areas/Afforestation under Soil Conservation (1100 Plants/Ha)**

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. 250/- for Non-Tribal areas	Amount at wage rate of Rs. 312/- for Tribal areas
<b>A SURVEY, DEMARCATION &amp; FENCING:-</b>								
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	168.33	210.08
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	1079.17	1346.80
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1136.67	1418.56
4	Charring and coaltering of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	233.33	291.20
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	755.83	943.28
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	596.67	744.64
7	Carriage of B/Wire over a distance of 2 Kms	KM/ Qtl.	0.75	73.65	110.48	0.74	184.13	229.79
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4800.00	5990.40
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	1000.00	1248.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
11	Cost of U-Nails	Qtl.	0.05	6400	320.00		320.00	320.00
<b>Total -A-Survey, Demarcation &amp; Fencing:</b>					<b>11174.98</b>	<b>39.82</b>	<b>15156.63</b>	<b>17625.25</b>
<b>B. PLANTING:-</b>								
1	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	8745.00	10913.76
2	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	4372.50	5456.88
3	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	2493.33	3111.68
4	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	1750.83	2185.04
5	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	550	1.9	2090.00	13.93	3483.33	4347.20
6	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	550	0.26	286.00	1.91	476.67	594.88
7	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	1998.33	2493.92
8	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	1677.50	2093.52
9	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1833.33	2288.00
<b>Total -B-Planting:</b>					<b>16098.50</b>	<b>107.32</b>	<b>26830.83</b>	<b>33484.88</b>
<b>Grand Total (A+B):</b>					<b>22950</b>		<b>41987.46</b>	<b>51110.13</b>
<b>Or Say</b>							<b>42000.00</b>	<b>51100.00</b>
					<p align="right">21.6.2019 Principal Chief Conservator of Forests (HoFF), Himachal Pradesh, Shimla</p>			

**COST NORMS PER HECTARE FOR STONE FENCING AND PLANTING UNDER  
AFFORESTATION/REAFFORESTATION AND SOIL CONSERVATION FOR THE YEAR 2019-20  
(1100 PLANTS/HECTARE)**

For Keylong and Jalma Ranges of Lahaul Division

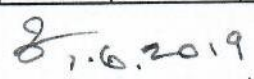
Sr.No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of Rs. 150/-	Amount (in Rs.) @ Rs. 150/-	Mandays	Amount at wage rate of Rs. 312/- for Tribal areas
<b>A</b>	<b>SURVEY, DEMARCATION &amp; FENCING:-</b>						
1	Survey & Demarcation of Plantation Area	ha.	1	102.32	102.32	0.68	212.82
2	Stonewall fence 0.5x1.5 mtrs high	Rmt.	100	340.92	34091.95	227.28	70911.25
<b>Total - A-Survey, Demarcation &amp; Fencing:</b>				<b>0.00</b>	<b>34194.27</b>	<b>227.96</b>	<b>71124.07</b>
<b>Or Say</b>				<b>0.00</b>	<b>34200.00</b>		<b>71000.00</b>
<b>B.</b>	<b>PLANTING:-</b>						
1	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5244.50	34.96	10908.57
2	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	5456.88
3	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.75	9.98	3113.23
4	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	2185.04
5	Carriage of Plants in P. Bags over distance 2 Km uphill	KM/ No.	550	1.91	2097.80	13.99	4363.43
6	Carriage of naked root Plants over a distance 2 Km uphill	KM/ No.	550	0.26	286.00	1.91	594.88
7	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	2493.92
8	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	2093.52
<b>Total -B-Planting:</b>					<b>15004.55</b>	<b>100.03</b>	<b>31209.46</b>
<b>Or Say</b>							<b>31000.00</b>
<b>Grand Total (A+B):</b>							<b>102000.00</b>
		 Principal Chief Conservator of Forests (Ho FF), Himachal Pradesh.					

Cost Norms per hectare for raising Normal Plantation for the year 2019-20 in respect of Schemes Enrichment Planting (800 Plants/Ha)								
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. 250/- for Non- Tribal areas	Amount at wage rate of Rs. 312/- for Tribal
<b>A</b>	<b>SURVEY, DEMARCATION &amp; FENCING:-</b>							
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	168.33	210.08
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	1079.17	1346.80
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1136.67	1418.56
4	Charring and coaltering of ends of fence posts up to 45 at bottom and 15 cms at conical end	No.	50	2.8	140.00	0.93	233.33	291.20
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	755.83	943.28
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	596.67	744.64
7	Carriage of B/Wire over a distance of 2 Kms	KM/Qtl.	0.75	73.65	110.48	0.74	184.13	229.79
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	4800.00	5990.40
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	1000.00	1248.00
10	Cost of Barbed Wire	Qtl.	0.75	6510	4882.50	0.00	4882.50	4882.50
11	Cost of U-Nails	Qtl.	0.05	6400	320.00		320.00	320.00
<b>Total -A-Survey, Demarcation &amp; Fencing:</b>					<b>11174.98</b>	<b>39.82</b>	<b>15156.63</b>	<b>17625.25</b>
<b>B.</b>	<b>PLANTING:-</b>							
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	1988.00	2481.02
2	Digging of Pits of 45x45x45 cm Size	No.	400	9.54	3816.00	25.44	6360.00	7937.28
3	Digging of Pits of 30x30x30 cm Size	No.	400	4.77	1908.00	12.72	3180.00	3968.64
4	Filling of Pits of 45x45x45 cm size	No.	400	2.72	1088.00	7.25	1813.33	2263.04
5	Filling of Pits of 30x30x30 cm size	No.	400	1.91	764.00	5.09	1273.33	1589.12
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	400	1.90	1520.00	10.13	2533.33	3161.60
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	400	0.26	208.00	1.39	346.67	432.64
8	Planting of Plants Raised in P/Bags	No.	400	2.18	872.00	5.81	1453.33	1633.55
9	Planting of Plants with naked roots	No.	400	1.83	732.00	4.88	1220.00	1522.56
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	1833.33	2060.67
<b>Total -B-Planting:</b>					<b>13200.80</b>	<b>88.01</b>	<b>22001.33</b>	<b>27050.12</b>
<b>Grand Total (A+B):</b>							<b>37157.96</b>	<b>44675.37</b>
<b>Or Say</b>							<b>37100.00</b>	<b>44600.00</b>
					<p>21.6.2019</p> <p>Principal Chief Conservator of Forests (HOPF)</p> <p>Himachal Pradesh.</p>			

**PER HECTARE COST NORM FOR STONE FENCING AND PLANTING UNDER ENRICHMENT PLANTING**  
**(800 PLANTS/HECTARE) for the year 2019-20**  
**For Keylong and Jhalma Ranges of Lahaul Division**

Sr.No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of Rs. 150/-	Amount (In Rs.) @ Rs. 150/-	Mandays	Norm at wage rate of Rs 312/=
<b>A SURVEY, DEMARCATION &amp; FENCING:-</b>							
1	Survey & Demarcation of Plantation Area	ha.	1	102.32	102.32	0.68	212.82
2	Stonewall fence 0.5x1.5 mtrs high	Rmt.	100	340.92	34091.95	227.28	70911.25
<b>Total - A-Survey, Demarcation &amp; Fencing:</b>				<b>0.00</b>	<b>34194.27</b>	<b>227.96</b>	<b>71124.07</b>
<b>B. PLANTING:-</b>							
1	Digging of Pits of 45x45x45 cm Size	No.	400	9.54	3816.00	25.44	7937.28
2	Digging of Pits of 30x30x30 cm Size	No.	400	4.77	1908.00	12.72	3968.64
3	Filling of Pits of 45x45x45 cm size	No.	400	2.72	1088.00	7.25	2263.04
4	Filling of Pits of 30x30x30 cm size	No.	400	1.91	764.00	5.09	1589.12
5	Carriage of Plants in P. Bags over distance 2 Km uphill	KM/No.	400	1.90	1520.00	10.13	3161.60
6	Carriage of naked root Plants over a distance 2 Km uphill	KM/No.	400	0.26	208.00	1.39	432.64
7	Planting of Plants Raised in P/Bags	No.	400	2.18	872.00	5.81	1813.76
8	Planting of Plants with naked roots	No.	400	1.83	732.00	4.88	1522.56
<b>Total -B-Planting:</b>					<b>10908.00</b>	<b>72.72</b>	<b>22688.64</b>
<b>Grand Total (A+B):</b>					<b>45102.27</b>	<b>300.68</b>	<b>93812.71</b>
				Or Say	<b>45000.00</b>		<b>93500.00</b>
				<p>8.6.2019  Principal Chief Conservator of Forests (H&amp;FP)  Himachal Pradesh.</p>			

**Per hectare cost norm for 5 year maintenance of old Plantation for the year 2019-20 in respect of Schemes Afforestation/Re-afforestation of Scrub Areas/Afforestation under Soil Conservation**

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. 250/- for Non-Tribal areas	Amount at wage rate of Rs. 312/- for Tribal areas
<b>1st YEAR MAINTENANCE (30 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1311.75	1637.06
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	654.50	816.82
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	748.00	933.50
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	525.25	655.51
5	Planting of Plants raised in P/Bags	No.	165	2.18	359.70	2.40	599.50	748.18
6	Planting of Plants with naked roots	No.	165	1.83	301.95	2.01	503.25	628.06
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	165	1.9	627.00	4.18	1045.00	1304.16
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	KM/No.	165	0.26	85.80	0.57	143.00	178.46
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total/1st Year Maintenance:</b>						<b>22.84</b>	<b>5710.25</b>	<b>7126.39</b>
<b>Or Say</b>							<b>5700.00</b>	<b>7100.00</b>
<b>2nd YEAR MAINTENANCE (20 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	874.50	1091.38
2	Re-digging of Pits 30x30x30cm	No.	110	2.38	261.80	1.75	436.33	544.54
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	498.67	622.34
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	350.17	437.01
5	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	399.67	498.78
6	Planting of Plants with naked roots	No.	110	1.83	201.30	1.34	335.50	418.70
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	110	1.9	418.00	2.79	696.67	869.44
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	95.33	118.98
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total/2nd Year Maintenance:</b>					<b>2320.10</b>	<b>15.47</b>	<b>3866.83</b>	<b>4825.81</b>
<b>Or Say</b>					<b>3350.00</b>		<b>3800.00</b>	<b>4800.00</b>
<b>3rd YEAR MAINTENANCE (15 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	82	4.77	391.14	2.61	651.90	813.57
2	Re-digging of Pits 30x30x30 cm	No.	83	2.38	197.54	1.32	329.23	410.88
3	Filling of Pits 45x45x45 cm	No.	82	2.72	223.04	1.49	371.73	463.92
4	Filling of Pits 30x30x30 cm	No.	83	1.91	158.53	1.06	264.22	329.74
5	Planting of Plants raised in P/Bags	No.	82	2.18	178.76	1.19	297.93	371.82
6	Planting of Plants with naked roots	No.	83	1.83	151.89	1.01	253.15	315.93
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	82	1.9	311.60	2.08	519.33	648.13
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	83	0.26	43.16	0.29	71.93	89.77
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total/3rd Year Maintenance:</b>						<b>11.76</b>	<b>2939.43</b>	<b>3668.41</b>
<b>Or Say</b>							<b>2900.00</b>	<b>3600.00</b>
<b>4th/5th YEAR MAINTENANCE (10 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	437.25	545.69
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	218.17	272.27
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	249.33	311.17
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	175.08	218.50
5	Planting of Plants raised in P/Bags	No.	55	2.18	119.90	0.80	199.83	249.39
6	Planting of Plants with naked roots	No.	55	1.83	100.65	0.67	167.75	209.35
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	348.33	434.72
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	47.67	59.49
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total 4th &amp; 5th Year Maintenance:</b>						<b>8.09</b>	<b>2023.42</b>	<b>2525.22</b>
<b>Or Say</b>							<b>2000.00</b>	<b>2500.00</b>
					 Principal Chief Conservator of Forests (HoFF) Himachal Pradesh.			



**PER HECTARE COST NORM FOR 5 YEAR MAINTENANCE OF OLD PLANTATION WITH STONE FENCING IN  
RESPECT OF AFFORESTATION/RE-AFFORESTATION/SOIL CONSERVATION FOR THE YEAR 2019-20  
( Tribal-II for Keylong and Jhalma Ranges of Lahaul Division)**

**1st YEAR MAINTENANCE (30 % BEATING UP):**

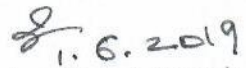
Sr.No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of Rs. 150/-	Amount (In Rs.) @ Rs. 150/-	Mandays	Norm at wage rate of Rs 312/=
<b>1st YEAR MAINTENANCE (30 % BEATING UP):</b>							
1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1637.06
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	816.82
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	933.50
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	655.51
5	Planting of Plants raised in P/Bags	KM/ No.	165	2.18	359.70	2.40	748.18
6	Planting of Plants with naked roots	KM/ No.	165	1.83	301.95	2.01	628.06
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	165	1.9	627.00	4.18	1304.16
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	165	0.26	85.80	0.57	178.46
9	Cost of watering of plants	L/s					32800.00
<b>Total 1st Year Maintenance:</b>					<b>3318.15</b>	<b>22.12</b>	<b>39701.75</b>
<b>Or Say</b>							<b>39700.00</b>

**2nd YEAR MAINTENANCE 20 % BEATING UP):**

1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	1091.38
2	Re-digging of Pits 30x30x30 cm	No.	110	2.38	261.80	1.75	544.54
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	622.34
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	437.01
5	Planting of Plants raised in P/Bags	KM/ No.	110	2.18	239.80	1.60	498.78
6	Planting of Plants with naked roots	KM/ No.	110	1.83	201.30	1.34	418.70
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	110	1.9	418.00	2.79	869.44
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	118.98
9	Cost of watering of plants	L/s					21200.00
<b>Total 2nd Year Maintenance:</b>					<b>2212.10</b>	<b>14.75</b>	<b>25801.17</b>
<b>Or Say</b>							<b>25800.00</b>

**3rd YEAR MAINTENANCE 15 % BEATING UP):**

1	Re-digging of Pits 45x45x45 cm	No.	82	4.77	391.14	2.61	813.57
2	Re-digging of Pits 30x30x30 cm	No.	83	2.38	197.54	1.32	410.88
3	Filling of Pits 45x45x45 cm	No.	82	2.72	223.04	1.49	463.92
4	Filling of Pits 30x30x30 cm	No.	83	1.91	158.53	1.06	329.74
5	Planting of Plants raised in P/Bags	KM/ No.	82	2.18	178.76	1.19	371.82
6	Planting of Plants with naked roots	KM/ No.	83	1.83	151.89	1.01	315.93
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	82	1.9	311.60	2.08	648.13
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	83	0.26	43.16	0.29	89.77
9	Cost of watering of plants	L/s					11600.00
<b>Total 3rd Year Maintenance:</b>					<b>1655.66</b>	<b>11.04</b>	<b>15043.77</b>
<b>Or Say</b>							<b>15000.00</b>

4th/5th YEAR MAINTENANCE 10 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	545.69
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	272.27
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	311.17
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	218.50
5	Planting of Plants raised in P/Bags	KM/ No.	55	2.18	119.90	0.80	249.39
6	Planting of Plants with naked roots	KM/ No.	55	1.83	100.65	0.67	209.35
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	434.72
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	59.49
9	Cost of watering of plants	L/s					4890.00
<b>Total 4th &amp; 5th Year Maintenance:</b>					<b>1106.05</b>	<b>7.37</b>	<b>7190.58</b>
<b>Or Say</b>							<b>7200.00</b>
				 1.6.2019 Principal Chief Conservator of Forests (H.O.F.F.) Himachal Pradesh.			


**Per hectare cost norm for 5 year maintenance of old Plantation for the year 2019-20 in respect of Enrichment Plantation**

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 wage rate of Rs. 250/- for Non-Tribal areas	Amount at wage rate of Rs. 312/- for Tribal areas
<b>1st YEAR MAINTENANCE (30 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	120	4.77	572.40	3.82	954.00	1190.59
2	Re-digging of Pits 30x30x30 cm	No.	120	2.38	285.60	1.90	476.00	594.05
3	Filling of Pits 45x45x45 cm	No.	120	2.72	326.40	2.18	544.00	678.91
4	Filling of Pits 30x30x30 cm	No.	120	1.91	229.20	1.53	382.00	476.74
5	Planting of Plants raised in P/Bags	No.	120	2.18	261.60	1.74	436.00	544.13
6	Planting of Plants with naked roots	No.	120	1.83	219.60	1.46	366.00	456.77
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	120	1.9	456.00	3.04	760.00	948.48
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	KM/No.	120	0.26	62.40	0.42	104.00	129.79
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total 1st Year Maintenance:</b>					<b>2521.20</b>	<b>16.81</b>	<b>4202.00</b>	<b>5244.10</b>
<b>Or Say</b>							<b>4200.00</b>	<b>5200.00</b>
<b>2nd YEAR MAINTENANCE (20 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	80	4.77	381.60	2.54	636.00	793.73
2	Re-digging of Pits 30x30x30cm	No.	80	2.38	190.40	1.27	317.33	396.03
3	Filling of Pits 45x45x45 cm	No.	80	2.72	217.60	1.45	362.67	452.61
4	Filling of Pits 30x30x30 cm	No.	80	1.91	152.80	1.02	254.67	317.82
5	Planting of Plants raised in P/Bags	No.	80	2.18	174.40	1.16	290.67	362.75
6	Planting of Plants with naked roots	No.	80	1.83	146.40	0.98	244.00	304.51
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	80	1.9	304.00	2.03	506.67	632.32
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	80	0.26	41.60	0.28	69.33	86.53
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total 2nd Year Maintenance:</b>					<b>1716.80</b>	<b>11.45</b>	<b>2861.33</b>	<b>3570.94</b>
<b>Or Say</b>							<b>2800.00</b>	<b>3500.00</b>
<b>3rd YEAR MAINTENANCE (15 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	60	4.77	286.20	1.91	477.00	595.30
2	Re-digging of Pits 30x30x30 cm	No.	60	2.38	142.80	0.95	238.00	297.02
3	Filling of Pits 45x45x45 cm	No.	60	2.72	163.20	1.09	272.00	339.46
4	Filling of Pits 30x30x30 cm	No.	60	1.91	114.60	0.76	191.00	238.37
5	Planting of Plants raised in P/Bags	No.	60	2.18	130.80	0.87	218.00	272.06
6	Planting of Plants with naked roots	No.	60	1.83	109.80	0.73	183.00	228.38
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	60	1.9	228.00	1.52	380.00	474.24
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	60	0.26	31.20	0.21	52.00	64.90
10	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total 3rd Year Maintenance:</b>					<b>1314.60</b>	<b>8.76</b>	<b>2191.00</b>	<b>2734.37</b>
<b>Or Say</b>							<b>2200.00</b>	<b>2700.00</b>
<b>4th/5th YEAR MAINTENANCE (10 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	40	4.77	190.80	1.27	318.00	396.86
2	Re-digging of Pits 30x30x30 cm	No.	40	2.38	95.20	0.63	158.67	198.02
3	Filling of Pits 45x45x45 cm	No.	40	2.72	108.80	0.73	181.33	226.30
4	Filling of Pits 30x30x30 cm	No.	40	1.91	76.40	0.51	127.33	158.91
5	Planting of Plants raised in P/Bags	No.	40	2.18	87.20	0.58	145.33	181.38
6	Planting of Plants with naked roots	No.	40	1.83	73.20	0.49	122.00	152.26
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	40	1.9	152.00	1.01	253.33	316.16
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	40	0.26	20.80	0.14	34.67	43.26
10	Repair of Fencing	Rmt	60	1.80	108.00	0.72	180.00	224.64
<b>Total 4th &amp; 5th Year Maintenance:</b>					<b>912.40</b>	<b>6.08</b>	<b>1520.67</b>	<b>1897.79</b>
<b>Or Say</b>							<b>1500.00</b>	<b>1900.00</b>
					8.1.6.2019 Principal Chief Conservator of Forests (HoFF) Himachal Pradesh.			

**PER HECTARE COST NORM FOR 5 YEAR MAINTENANCE OF OLD PLANTATION WITH STONE FENCING IN  
RESPECT OF ENRICHMENT PLANTATION FOR THE YEAR 2019-20  
( Tribal-II for Keylong and Jhalma Ranges of Lahaul Division)**

1st YEAR MAINTENANCE (30 % BEATING UP):							
Sr.N o.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of Rs. 150/-	Amount (In Rs.) @ Rs. 150/-	Mandays	Norm at wage rate of Rs 312/=
1st YEAR MAINTENANCE (30 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	120	4.77	572.40	3.82	1190.59
2	Re-digging of Pits 30x30x30 cm	No.	120	2.38	285.60	1.90	594.05
3	Filling of Pits 45x45x45 cm	No.	120	2.72	326.40	2.18	678.91
4	Filling of Pits 30x30x30 cm	No.	120	1.91	229.20	1.53	476.74
5	Planting of Plants raised in P/Bags	KM/ No.	120	2.18	261.60	1.74	544.13
6	Planting of Plants with naked roots	KM/ No.	120	1.83	219.60	1.46	456.77
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	120	1.9	456.00	3.04	948.48
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	120	0.26	62.40	0.42	129.79
9	Cost of watering of plants	L/s					23848.00
<b>Total 1st Year Maintenance:</b>					<b>2413.20</b>	<b>16.09</b>	<b>28867.46</b>
Or Say							<b>28800.00</b>
2nd YEAR MAINTENANCE 20 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	80	4.77	381.60	2.54	793.73
2	Re-digging of Pits 30x30x30 cm	No.	80	2.38	190.40	1.27	396.03
3	Filling of Pits 45x45x45 cm	No.	80	2.72	217.60	1.45	452.61
4	Filling of Pits 30x30x30 cm	No.	80	1.91	152.80	1.02	317.82
5	Planting of Plants raised in P/Bags	KM/ No.	80	2.18	174.40	1.16	362.75
6	Planting of Plants with naked roots	KM/ No.	80	1.83	146.40	0.98	304.51
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	80	1.9	304.00	2.03	632.32
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	80	0.26	41.60	0.28	86.53
9	Cost of watering of plants	L/s					15416.00
<b>Total 2nd Year Maintenance:</b>					<b>1608.80</b>	<b>10.73</b>	<b>18762.30</b>
Or Say							<b>18700.00</b>
3rd YEAR MAINTENANCE 15 % BEATING UP):							
1	Re-digging of Pits 45x45x45 cm	No.	60	4.77	286.20	1.91	595.30
2	Re-digging of Pits 30x30x30 cm	No.	60	2.38	142.80	0.95	297.02
3	Filling of Pits 45x45x45 cm	No.	60	2.72	163.20	1.09	339.46
4	Filling of Pits 30x30x30 cm	No.	60	1.91	114.60	0.76	238.37
5	Planting of Plants raised in P/Bags	KM/ No.	60	2.18	130.80	0.87	272.06
6	Planting of Plants with naked roots	KM/ No.	60	1.83	109.80	0.73	228.38
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	60	1.9	228.00	1.52	474.24
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	60	0.26	31.20	0.21	64.90
9	Cost of watering of plants	L/s					8440.00
<b>Total 3rd Year Maintenance:</b>					<b>1206.60</b>	<b>8.04</b>	<b>10949.73</b>
Or Say							<b>10900.00</b>

**4th/5th YEAR MAINTENANCE 10 % BEATING UP):**

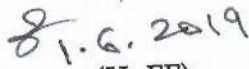
1	Re-digging of Pits 45x45x45 cm	No.	40	4.77	190.80	1.27	396.86
2	Re-digging of Pits 30x30x30 cm	No.	40	2.38	95.20	0.63	198.02
3	Filling of Pits 45x45x45 cm	No.	40	2.72	108.80	0.73	226.30
4	Filling of Pits 30x30x30 cm	No.	40	1.91	76.40	0.51	158.91
5	Planting of Plants raised in P/Bags	KM/ No.	40	2.18	87.20	0.58	181.38
6	Planting of Plants with naked roots	KM/ No.	40	1.83	73.20	0.49	152.26
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	40	1.9	152.00	1.01	316.16
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	40	0.26	20.80	0.14	43.26
9	Cost of watering of plants	L/s					3560.00
<b>Total 4th &amp; 5th Year Maintenance:</b>					<b>804.40</b>	<b>5.36</b>	<b>5233.15</b>
<b>Or Say</b>							<b>5200.00</b>
				 1.6.2019 Principal Chief Conservator of Forests (H <sub>0</sub> FF), Himachal Pradesh.			

**Himachal Pradesh Forest Department**

**Norms for Dev. of Pasture & Grazing Lands for the year 2019-20 (Non-Tribal & Tribal areas)**  
w.e.f. 01.04.2019

(in Rupees)

Sr. No.	Name of Scheme	Component	Non-Tribal wage rate ₹250/- per day	Tribal wage rate ₹312/- per day
1	<b>Development of Pasture &amp; Grazing Lands</b>			
a)	Alpine Pasture	Fencing cost (wage component)	10707.13	15047.04
		Fencing material	5202.50	5202.50
		Removal of weeds	12487.17	15608.96
		Sowing of grass seeds/tufts in trenches/ patches of size 2mx1m(400-500/ha)		
		Moisture retention interventions gully plugging, water ponds etc.)		
		<b>Total</b>	28396.79	35858.50
		<b>Or Say</b>	28400.00	35800.00
b)	Low Lying Grazing Lands	Fencing cost (wage component)	10707.13	15047.04
		Fencing material	5202.50	5202.50
		Removal of weeds	17482.03	21852.54
		Sowing of grass seeds/tufts in trenches/ patches of size 2mx1m(400-500/ha)		
		Planting of 200 plants of fodder species		
		Moisture retention interventions gully plugging, water ponds etc.)		
		Application of farm yard manure		
	<b>Total</b>	33391.66	42102.08	
	<b>Or say</b>	33300.00	42100.00	

  
 Pr. Chief Conserator of Forests (HoFF)  
 Himachal P Pradesh