

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

Dated 22 APR 2020 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

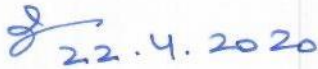
Subject: Cost norms for raising **New Plantations** and **Maintenance of Old Plantations (Normal Plantations)** for Non-Tribal & Tribal Areas for the year 2020-21.

Memo

Consequent upon the revision of daily wage rates from existing ₹250/- to ₹ 275/- per day in the state of Himachal Pradesh vide Finance Department letter No. FIN-(PR)B(7)-33/2010 dated 24.03.2020, 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.

  
22.4.2020  
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 2020-21 (Based on basic wage rate of ₹275/- per day)**

Name of scheme	New Plantation		
	N/Tribal	Tribal-1	Tribal-II
Afforestation/Re-afforestation of Scrub Areas/Soil and Water Conservation	48300	59000	112500
Enrichment	40800	49600	103100
<b>Dev. Of Pasture &amp; Grazing lands</b>			
a) Alpine Pasture	30700	37000	--
b)Low lying grazing lands	36200	43900	--
<b>Maintenance</b>			
Afforestation/Re-afforestation of Scrub Areas/Soil and Water Conservation			
1st Year Maintenance	6250	7800	40300
2nd Year Maintenance	4250	5300	26000
3rd Year Maintenance	3200	4000	15300
4th & 5th Year Maintenance	2200	2750	7400
Enrichment			
1st Year Maintenance	4600	5750	29300
2nd Year Maintenance	3100	3900	19100
3rd Year Maintenance	2400	3000	11200
4th & 5th Year Maintenance	1650	2050	5400
<b>Dev. Of Pasture &amp; Grazing lands</b>			
a) Alpine Pasture			
1st Year Maintenance	4125	5145	5145
2nd Year Maintenance	2750	3410	3410
3rd Year Maintenance	1375	1700	1700
4th & 5th Year Maintenance	685	845	845
b)Low lying grazing lands			
1st Year Maintenance	4275	5390	5390
2nd Year Maintenance	3120	3880	3880
3rd Year Maintenance	1790	2255	2255
4th & 5th Year Maintenance	920	1155	1155

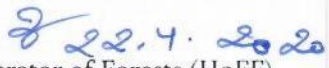
*22.4.2020*

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

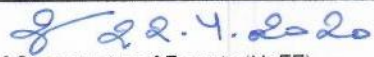
**Himachal Pradesh Forest Department**

**Norms for New Plantations (Normal) for the year 2020-21 {Non-Tribal; Tribal-I & Tribal-II areas} w.e.f. 01.04.2020**

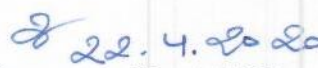
(In Rupees)

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	16153	18900	78200	B/wire fencing in Non-Tribal & Tribal-I areas and Stone Fencing in Tribal -II (Keylong & Jhalma Ranges of Lahaul Division) Areas - Wage rate ₹ 275/- per day for non-tribal & ₹ 344/- per day for tribal areas.	
	ii) Re-afforestation of Scrub Areas		Planting Cost	32146	40100	34420		
	iii) Soil and Water Conservation							
			Total	48299	59000	112620		
			OR SAY	48300	59000	112500		
2	i) Enrichment Planting	800	Fencing Cost including material component	16153	18900	78200		
			Planting Cost	24647	30718	25012		
			Total	40800	49618	103212		
			OR SAY	40800	49600	103100		
							 Pr. Chief Conserator of Forests (HoFF) Himachal P Pradesh	

**Revised Cost Norms per hectare for raising Normal Plantation for the year 2020-21 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. 275/- for Non-Tribal areas	Amount at wage rate of Rs. 344/- for Tribal areas
<b>A SURVEY, DEMARCATION &amp; FENCING:-</b>								
1	Survey & Demarcation of Plantation Area	ha.	1	101.00	101.00	0.67	184.25	230.48
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	1188.00	1486.08
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1251.25	1565.20
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	255.75	319.92
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	830.50	1038.88
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	657.25	822.16
7	Carriage of B/Wire over a distance of 2 Kms	KM/ Qtl.	0.75	73.65	110.48	0.74	203.50	254.56
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	5280.00	6604.80
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	1100.00	1376.00
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>16153.00</b>	<b>18900.58</b>
<b>B. PLANTING:-</b>								
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	2186.25	2734.80
2	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	9619.50	12033.12
3	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	4809.75	6016.56
4	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	2741.75	3429.68
5	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	1925.00	2408.00
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	550	1.9	2090.00	13.93	3830.75	4791.92
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	550	0.26	286.00	1.91	525.25	657.04
8	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	2197.25	2748.56
9	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	1845.25	2308.24
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	2015.75	2521.52
11	Cost of Sign Board, Carriage & Fixing	No.	0	LS		0.00	450.00	450.00
<b>Total -B-Planting:</b>					<b>17291.30</b>	<b>115.26</b>	<b>32146.50</b>	<b>40099.44</b>
<b>Grand Total (A+B):</b>					<b>22950</b>		<b>48299.50</b>	<b>59000.02</b>
<b>Or Say</b>							<b>48300.00</b>	<b>59000.00</b>
					 Principal Chief Conservator of Forests (HoFF), Himachal Pradesh, Shimla			

**Revised Cost Norms per hectare for raising Normal Plantation for the year 2020-21 in respect of Schemes Enrichment Planting  
(800 Plants/Ha) w.e.f. 01.04.2020**

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. 275/- for Non- Tribal areas	Amount at wage rate of Rs. 344/- 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	184.25	230.48
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	1188.00	1486.08
3	Carriage of wooden Fence Post over a distance of 2 km	KM/No.	50	6.82	682.00	4.55	1251.25	1565.20
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	255.75	319.92
5	Preparation /Digging of Holes of 20 to 30 cm dia and 45 cm deep	No.	50	9.07	453.50	3.02	830.50	1038.88
6	Fixing of wooden Fence Post i/c Strutting	No.	50	7.16	358.00	2.39	657.25	822.16
7	Carriage of B/Wire over a distance of 2 Kms	KM/Qtl.	0.75	73.65	110.48	0.74	203.50	254.56
8	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	2880.00	19.20	5280.00	6604.80
9	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.00	600.00	4.00	1100.00	1376.00
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>16153.00</b>	<b>18900.58</b>
<b>B.</b>	<b>PLANTING:-</b>							
1	Bush Cutting in Strips (3m x 3m)	ha.	1	1192.80	1192.80	7.95	2186.25	2734.80
2	Digging of Pits of 45x45x45 cm Size	No.	400	9.54	3816.00	25.44	6996.00	8751.36
3	Digging of Pits of 30x30x30 cm Size	No.	400	4.77	1908.00	12.72	3498.00	4375.68
4	Filling of Pits of 45x45x45 cm size	No.	400	2.72	1088.00	7.25	1993.75	2494.00
5	Filling of Pits of 30x30x30 cm size	No.	400	1.91	764.00	5.09	1399.75	1750.96
6	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	400	1.90	1520.00	10.13	2785.75	3484.72
7	Carriage of naked root Plants over a distance 2 Km uphill/downhill	KM/No.	400	0.26	208.00	1.39	382.25	478.16
8	Planting of Plants Raised in P/Bags	No.	400	2.18	872.00	5.81	1597.75	1998.64
9	Planting of Plants with naked roots	No.	400	1.83	732.00	4.88	1342.00	1678.72
10	Construction of Inspection Path	Rmt.	100	11	1100.00	7.33	2015.75	2521.52
11	Cost of sign board, carriage & fixing	No.	1	450	450.00		450.00	450.00
<b>Total -B-Planting:</b>					<b>13650.80</b>	<b>87.99</b>	<b>24647.25</b>	<b>30718.56</b>
<b>Grand Total (A+B):</b>							<b>40800.25</b>	<b>49619.14</b>
<b>Or Say</b>							<b>40800.00</b>	<b>49600.00</b>
					 Principal Chief Conservator of Forests(HoFF), Himachal Pradesh.			

**COST NORMS PER HECTARE FOR STONE FENCING AND PLANTING UNDER AFFORESTATION/RE-AFFORESTATION AND SOIL CONSERVATION FOR THE YEAR 2020-21  
(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. 344/- 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	233.92
2	Stonewall fence 0.5x1.5 mtrs high	Rmt.	100	340.92	34092.00	227.28	78184.32
<b>Total - A-Survey, Demarcation &amp; Fencing:</b>				<b>0.00</b>	<b>34194.32</b>	<b>227.96</b>	<b>78418.24</b>
<b>Or Say</b>				<b>0.00</b>	<b>34200.00</b>		<b>78200.00</b>
<b>B.</b>	<b>PLANTING:-</b>						
1	Digging of Pits of 45x45x45 cm Size	No.	550	9.54	5247.00	34.98	12033.12
2	Digging of Pits of 30x30x30 cm Size	No.	550	4.77	2623.50	17.49	6016.56
3	Filling of Pits of 45x45x45 cm size	No.	550	2.72	1496.00	9.97	3429.68
4	Filling of Pits of 30x30x30 cm size	No.	550	1.91	1050.50	7.00	2408.00
5	Carriage of Plants in P. Bags over distance 2 Km uphill	KM/ No.	550	1.91	2101.00	14.01	4819.44
6	Carriage of naked root Plants over a distance 2 Km uphill	KM/ No.	550	0.26	286.00	1.91	657.04
7	Planting of Plants Raised in P/Bags	No.	550	2.18	1199.00	7.99	2748.56
8	Planting of Plants with naked roots	No.	550	1.83	1006.50	6.71	2308.24
<b>Total -B-Planting:</b>					<b>15009.50</b>	<b>100.06</b>	<b>3420.64</b>
<b>Or Say</b>							<b>34300.00</b>
<b>Grand Total (A+B):</b>							<b>112500.00</b>

*22.4.2020*

Principal Chief Conservator of Forests,  
Himachal Pradesh.

**PER HECTARE COST NORM FOR STONE FENCING AND PLANTING UNDER ENRICHMENT PLANTING  
(800 PLANTS/HECTARE) FOR THE YEAR 2020-21  
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 344/-	
<b>A</b>	<b>SURVEY, DEMARCATION &amp; FENCING:-</b>							
1	Survey & Demarcation of Plantation Area	ha.	1	102.32	102.32	0.68	233.92	
2	Stonewall fence 0.5x1.5 mtrs high	Rmt.	100	340.92	34092.00	227.28	78184.32	
<b>Total - A-Survey, Demarcation &amp; Fencing:</b>					<b>0.00</b>	<b>34194.32</b>	<b>227.96</b>	<b>78418.24</b>
<b>B.</b>	<b>PLANTING:-</b>							
1	Digging of Pits of 45x45x45 cm Size	No.	400	9.54	3816.00	25.44	8751.36	
2	Digging of Pits of 30x30x30 cm Size	No.	400	4.77	1908.00	12.72	4375.68	
3	Filling of Pits of 45x45x45 cm size	No.	400	2.72	1088.00	7.25	2494.00	
4	Filling of Pits of 30x30x30 cm size	No.	400	1.91	764.00	5.09	1750.96	
5	Carriage of Plants in P. Bags over distance 2 Km uphill	KM/No.	400	1.90	1520.00	10.13	3484.72	
6	Carriage of naked root Plants over a distance 2 Km uphill	KM/No.	400	0.26	208.00	1.39	478.16	
7	Planting of Plants Raised in P/Bags	No.	400	2.18	872.00	5.81	1998.64	
8	Planting of Plants with naked roots	No.	400	1.83	732.00	4.88	1378.72	
<b>Total -B-Planting:</b>					<b>10908.00</b>	<b>72.71</b>	<b>25012.24</b>	
<b>Grand Total (A+B):</b>					<b>45102.32</b>	<b>300.67</b>	<b>103430.48</b>	
				<b>Or Say</b>	<b>45000.00</b>		<b>103100.00</b>	

  
 Principal Chief Conservator of Forests,  
 Himachal Pradesh

**Himachal Pradesh Forest Department**

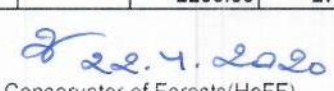
Norms for Dev. of Pasture & Grazing Lands for the year 2020-21(Non-Tribal & Tribal areas) w.e.f.  
01.04.2020

(in Rupees)

Sr. No.	Name of Scheme	Component	Non-Tribal wage rate ₹275/- per day	Tribal wage rate ₹344/- per day
1	<b>Development of Pasture &amp; Grazing Lands</b>			
a)	Alpine Pasture	Fencing cost (wage component)	11777.84	14722.30
		Fencing material	5202.50	5202.50
		Removal of weeds	13735.89	17169.86
		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>	<b>30716.23</b>	<b>37094.56</b>
		<b>Or Say</b>	<b>30700.00</b>	<b>37000.00</b>
b)	Low Lying Grazing Lands	Fencing cost (wage component)	11777.84	14722.30
		Fencing material	5202.50	5202.50
		Removal of weeds	19230.23	24037.79
		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	36210.57	43962.59
		<b>Total</b>		
<b>Or say</b>	<b>36200.00</b>	<b>43900.00</b>		
		 Pr. Chief Conserator of Forests (HoFF) Himachal Ptradesh		



**Per hectare cost norm for 5 year maintenance of old Plantation for the year 2020-21 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. 275/- for Non-Tribal areas	Amount at wage rate of Rs. 344/- 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	1443.75	1806.00
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	720.50	901.28
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	822.25	1028.56
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	577.50	722.40
5	Planting of Plants raised in P/Bags	No.	165	2.18	359.70	2.40	660.00	825.60
6	Planting of Plants with naked roots	No.	165	1.83	301.95	2.01	552.75	691.44
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	165	1.9	627.00	4.18	1149.50	1437.92
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	KM/No.	165	0.26	85.80	0.57	156.75	196.08
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total/1st Year Maintenance:</b>						<b>22.84</b>	<b>6281.00</b>	<b>7856.96</b>
<b>Or Say</b>							<b>6250.00</b>	<b>7800.00</b>
<b>2nd YEAR MAINTENANCE (20 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	962.50	1204.00
2	Re-digging of Pits 30x30x30cm	No.	110	2.38	261.80	1.75	481.25	602.00
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	547.25	684.56
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	385.00	481.60
5	Planting of Plants raised in P/Bags	No.	110	2.18	239.80	1.60	440.00	550.40
6	Planting of Plants with naked roots	No.	110	1.83	201.30	1.34	368.50	460.96
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	110	1.9	418.00	2.79	767.25	959.76
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	104.50	130.72
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total/2nd Year Maintenance:</b>						<b>15.47</b>	<b>4254.25</b>	<b>5321.68</b>
<b>Or Say</b>						<b>3350.00</b>	<b>4250.00</b>	<b>5300.00</b>
<b>3rd YEAR MAINTENANCE (15 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	82	4.77	391.14	2.61	717.75	897.84
2	Re-digging of Pits 30x30x30 cm	No.	83	2.38	197.54	1.32	363.00	454.08
3	Filling of Pits 45x45x45 cm	No.	82	2.72	223.04	1.49	409.75	512.56
4	Filling of Pits 30x30x30 cm	No.	83	1.91	158.53	1.06	291.50	364.64
5	Planting of Plants raised in P/Bags	No.	82	2.18	178.76	1.19	327.25	409.36
6	Planting of Plants with naked roots	No.	83	1.83	151.89	1.01	277.75	347.44
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	82	1.9	311.60	2.08	572.00	715.52
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	83	0.26	43.16	0.29	79.75	99.76
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total/3rd Year Maintenance:</b>						<b>11.77</b>	<b>3236.75</b>	<b>4048.88</b>
<b>Or Say</b>							<b>3200.00</b>	<b>4000.00</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	481.25	602.00
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	239.25	299.28
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	275.00	344.00
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	192.50	240.80
5	Planting of Plants raised in P/Bags	No.	55	2.18	119.90	0.80	220.00	275.20
6	Planting of Plants with naked roots	No.	55	1.83	100.65	0.67	184.25	230.48
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	382.25	478.16
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	52.25	65.36
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total 4th &amp; 5th Year Maintenance:</b>						<b>8.09</b>	<b>2224.75</b>	<b>2782.96</b>
<b>Or Say</b>							<b>2200.00</b>	<b>2750.00</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 2020-21  
( 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 344/-
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**1st YEAR MAINTENANCE (30 % BEATING UP):**

1	Re-digging of Pits 45x45x45 cm	No.	165	4.77	787.05	5.25	1806.00
2	Re-digging of Pits 30x30x30 cm	No.	165	2.38	392.70	2.62	901.28
3	Filling of Pits 45x45x45 cm	No.	165	2.72	448.80	2.99	1028.56
4	Filling of Pits 30x30x30 cm	No.	165	1.91	315.15	2.10	722.40
5	Planting of Plants raised in P/Bags	KM/ No.	165	2.18	359.70	2.40	825.60
6	Planting of Plants with naked roots	KM/ No.	165	1.83	301.95	2.01	691.44
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	165	1.9	627.00	4.18	1437.92
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	165	0.26	85.80	0.57	196.08
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>40409.28</b>
Or Say							<b>40300.00</b>

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


1	Re-digging of Pits 45x45x45 cm	No.	110	4.77	524.70	3.50	1204.00
2	Re-digging of Pits 30x30x30 cm	No.	110	2.38	261.80	1.75	602.00
3	Filling of Pits 45x45x45 cm	No.	110	2.72	299.20	1.99	684.56
4	Filling of Pits 30x30x30 cm	No.	110	1.91	210.10	1.40	481.60
5	Planting of Plants raised in P/Bags	KM/ No.	110	2.18	239.80	1.60	550.40
6	Planting of Plants with naked roots	KM/ No.	110	1.83	201.30	1.34	460.96
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	110	1.9	418.00	2.79	959.76
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	110	0.26	57.20	0.38	130.72
9	Cost of watering of plants	L/s					21200.00

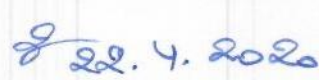
<b>Total 2nd Year Maintenance:</b>					<b>2212.10</b>	<b>14.75</b>	<b>26274.00</b>
Or Say							<b>26000.00</b>

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

1	Re-digging of Pits 45x45x45 cm	No.	82	4.77	391.14	2.61	897.84
2	Re-digging of Pits 30x30x30 cm	No.	83	2.38	197.54	1.32	454.08
3	Filling of Pits 45x45x45 cm	No.	82	2.72	223.04	1.49	512.56
4	Filling of Pits 30x30x30 cm	No.	83	1.91	158.53	1.06	354.64
5	Planting of Plants raised in P/Bags	KM/ No.	82	2.18	178.76	1.19	409.36
6	Planting of Plants with naked roots	KM/ No.	83	1.83	151.89	1.01	347.44
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	82	1.9	311.60	2.08	715.52
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	83	0.26	43.16	0.29	99.76
9	Cost of watering of plants	L/s					11600.00

<b>Total 3rd Year Maintenance:</b>					<b>1655.66</b>	<b>11.05</b>	<b>15401.20</b>
Or Say							<b>15300.00</b>

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 344/-
<b>4th/5th YEAR MAINTENANCE 10 % BEATING UP):</b>							
1	Re-digging of Pits 45x45x45 cm	No.	55	4.77	262.35	1.75	602.00
2	Re-digging of Pits 30x30x30 cm	No.	55	2.38	130.90	0.87	299.28
3	Filling of Pits 45x45x45 cm	No.	55	2.72	149.60	1.00	344.00
4	Filling of Pits 30x30x30 cm	No.	55	1.91	105.05	0.70	240.80
5	Planting of Plants raised in P/Bags	KM/ No.	55	2.18	119.90	0.80	275.20
6	Planting of Plants with naked roots	KM/ No.	55	1.83	100.65	0.67	230.48
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	55	1.9	209.00	1.39	478.16
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	55	0.26	28.60	0.19	65.36
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>7425.28</b>
<b>Or Say</b>							<b>7400.00</b>
				 Principal Chief Conservator of Forests, Himachal Pradesh.			

Per hectare cost norm for 5 year maintenance of old Plantation for the year 2020-21 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. 275/- for Non-Tribal areas	Amount at wage rate of Rs. 344/- 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	1050.50	1314.08
2	Re-digging of Pits 30x30x30 cm	No.	120	2.38	285.60	1.90	522.50	653.60
3	Filling of Pits 45x45x45 cm	No.	120	2.72	326.40	2.18	599.50	749.92
4	Filling of Pits 30x30x30 cm	No.	120	1.91	229.20	1.53	420.75	526.32
5	Planting of Plants raised in P/Bags	No.	120	2.18	261.60	1.74	478.50	598.56
6	Planting of Plants with naked roots	No.	120	1.83	219.60	1.46	401.50	502.24
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	120	1.9	456.00	3.04	836.00	1045.76
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	KM/No.	120	0.26	62.40	0.42	115.50	144.48
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total 1st Year Maintenance:</b>					<b>2521.20</b>	<b>16.81</b>	<b>4622.75</b>	<b>5782.64</b>
<b>Or Say</b>							<b>4600.00</b>	<b>5750.00</b>
<b>2nd YEAR MAINTENANCE (20 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	80	4.77	381.60	2.54	698.50	873.76
2	Re-digging of Pits 30x30x30cm	No.	80	2.38	190.40	1.27	349.25	436.88
3	Filling of Pits 45x45x45 cm	No.	80	2.72	217.60	1.45	398.75	498.80
4	Filling of Pits 30x30x30 cm	No.	80	1.91	152.80	1.02	280.50	350.88
5	Planting of Plants raised in P/Bags	No.	80	2.18	174.40	1.16	319.00	399.04
6	Planting of Plants with naked roots	No.	80	1.83	146.40	0.98	269.50	337.12
7	Carriage of Plants in P. Bags over a distance of 2 Km uphill/downhill	No.	80	1.9	304.00	2.03	558.25	698.32
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	80	0.26	41.60	0.28	77.00	96.32
9	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total 2nd Year Maintenance:</b>					<b>1716.80</b>	<b>11.45</b>	<b>3148.75</b>	<b>3938.80</b>
<b>Or Say</b>							<b>3100.00</b>	<b>3900.00</b>
<b>3rd YEAR MAINTENANCE (15 % BEATING UP):</b>								
1	Re-digging of Pits 45x45x45 cm	No.	60	4.77	286.20	1.91	525.25	657.04
2	Re-digging of Pits 30x30x30 cm	No.	60	2.38	142.80	0.95	261.25	326.80
3	Filling of Pits 45x45x45 cm	No.	60	2.72	163.20	1.09	299.75	374.96
4	Filling of Pits 30x30x30 cm	No.	60	1.91	114.60	0.76	209.00	261.44
5	Planting of Plants raised in P/Bags	No.	60	2.18	130.80	0.87	239.25	299.28
6	Planting of Plants with naked roots	No.	60	1.83	109.80	0.73	200.75	251.12
7	Carriage of Plants in P. Bags over a distance 2 Km uphill/downhill	No.	60	1.9	228.00	1.52	418.00	522.88
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	60	0.26	31.20	0.21	57.75	72.24
10	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total 3rd Year Maintenance:</b>					<b>1314.60</b>	<b>8.76</b>	<b>2409.00</b>	<b>3013.44</b>
<b>Or Say</b>							<b>2400.00</b>	<b>3000.00</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	349.25	436.88
2	Re-digging of Pits 30x30x30 cm	No.	40	2.38	95.20	0.63	173.25	216.72
3	Filling of Pits 45x45x45 cm	No.	40	2.72	108.80	0.73	200.75	251.12
4	Filling of Pits 30x30x30 cm	No.	40	1.91	76.40	0.51	140.25	175.44
5	Planting of Plants raised in P/Bags	No.	40	2.18	87.20	0.58	159.50	199.52
6	Planting of Plants with naked roots	No.	40	1.83	73.20	0.49	134.75	168.56
7	Carriage of Plants in P.Bags over a distance 2 Km uphill/downhill	No.	40	1.9	152.00	1.01	277.75	347.44
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	40	0.26	20.80	0.14	38.50	48.16
10	Repair of Fencing	Rmt	60	1.80	108.00	0.72	198.00	247.68
<b>Total 4th &amp; 5th Year Maintenance:</b>					<b>912.40</b>	<b>6.08</b>	<b>1672.00</b>	<b>2091.52</b>
<b>Or Say</b>							<b>1650.00</b>	<b>2050.00</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 ENRICHMENT PLANTATION FOR THE YEAR 2020-21  
( Tribal-II for Keylong and Jhalma Ranges of Lahaul Division)**

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

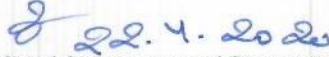
Sr.No.	Particulars of Works	Unit	Qty	Rate per Unit at wage rate of Rs. 150/-	Amount (In Rs.) @ Rs. 150/-	Mandays	Norm at wage rate of Rs 344.-
<b>1st YEAR MAINTENANCE (30 % BEATING UP):</b>							
1	Re-digging of Pits 45x45x45 cm	No.	120	4.77	572.40	3.82	1314.08
2	Re-digging of Pits 30x30x30 cm	No.	120	2.38	285.60	1.90	653.60
3	Filling of Pits 45x45x45 cm	No.	120	2.72	326.40	2.18	749.92
4	Filling of Pits 30x30x30 cm	No.	120	1.91	229.20	1.53	526.32
5	Planting of Plants raised in P/Bags	KM/ No.	120	2.18	261.60	1.74	598.56
6	Planting of Plants with naked roots	KM/ No.	120	1.83	219.60	1.46	502.24
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	120	1.9	456.00	3.04	1045.76
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	120	0.26	62.40	0.42	144.48
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>29382.96</b>
Or Say							<b>29300.00</b>

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

1	Re-digging of Pits 45x45x45 cm	No.	80	4.77	381.60	2.54	873.76
2	Re-digging of Pits 30x30x30 cm	No.	80	2.38	190.40	1.27	436.88
3	Filling of Pits 45x45x45 cm	No.	80	2.72	217.60	1.45	498.80
4	Filling of Pits 30x30x30 cm	No.	80	1.91	152.80	1.02	350.88
5	Planting of Plants raised in P/Bags	KM/ No.	80	2.18	174.40	1.16	399.04
6	Planting of Plants with naked roots	KM/ No.	80	1.83	146.40	0.98	337.12
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	80	1.9	304.00	2.03	698.32
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	80	0.26	41.60	0.28	96.32
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>19107.12</b>
Or Say							<b>19100.00</b>

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

1	Re-digging of Pits 45x45x45 cm	No.	60	4.77	286.20	1.91	657.04
2	Re-digging of Pits 30x30x30 cm	No.	60	2.38	142.80	0.95	326.80
3	Filling of Pits 45x45x45 cm	No.	60	2.72	163.20	1.09	374.96
4	Filling of Pits 30x30x30 cm	No.	60	1.91	114.60	0.76	261.44
5	Planting of Plants raised in P/Bags	KM/ No.	60	2.18	130.80	0.87	299.28
6	Planting of Plants with naked roots	KM/ No.	60	1.83	109.80	0.73	251.12
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	60	1.9	228.00	1.52	522.88
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	60	0.26	31.20	0.21	72.24
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>11205.76</b>
Or Say							<b>11200.00</b>

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 344/-
<b>4th/5th YEAR MAINTENANCE 10 % BEATING UP):</b>							
1	Re-digging of Pits 45x45x45 cm	No.	40	4.77	190.80	1.27	436.88
2	Re-digging of Pits 30x30x30 cm	No.	40	2.38	95.20	0.63	216.72
3	Filling of Pits 45x45x45 cm	No.	40	2.72	108.80	0.73	251.12
4	Filling of Pits 30x30x30 cm	No.	40	1.91	76.40	0.51	175.44
5	Planting of Plants raised in P/Bags	KM/ No.	40	2.18	87.20	0.58	199.52
6	Planting of Plants with naked roots	KM/ No.	40	1.83	73.20	0.49	168.56
7	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No.	40	1.9	152.00	1.01	347.44
8	Carriage of naked root plants over a distance 2 Km uphill/downhill	No.	40	0.26	20.80	0.14	48.16
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>5403.84</b>
		<b>Or Say</b>					<b>5400.00</b>
		 Principal Chief Conservator of Forests(HoFF), Himachal Pradesh.					