

## Species wise variations in Forests of Himachal Pradesh

Shimla Circle

Shimla Forest Division (1981-1996)				
Tree community	Min. altitude (m)	Max. altitude (m)	Forest Compartment	Area assessed (ha)
<i>Cedrus deodara</i>	1710	2300	16	627.2
<i>Pinus roxburghii</i>	1200	1945	6	327.8
<i>Pinus wallichiana</i>	1785	2342	7	280.8
<i>Quercus leucotrichophora</i>	1490	1980	5	268.8
<i>Cedrus deodara-Quercus floribunda</i> mixed	1830	2440	1	38.4
<i>Cedrus deodara-Quercus leucotrichophora</i> mixed	1980	2310	1	98.8
<i>Pinus roxburghii-Cedrus deodara</i> mixed	1750	3130	1	36.4
<i>Pinus roxburghii</i> -Broad-leaved mixed	1680	1900	1	12.6
<i>Pinus wallichiana-Quercus floribunda</i> mixed	1890	2316	1	102.4
Total			<b>39</b>	<b>1793.2</b>
Chopal Division (1965-2003)				
<i>Cedrus deodara</i>	1785	2580	69	2373.41
<i>Pinus wallichiana</i>	1680	2910	11	375.46
<i>Quercus floribunda</i>	2150	2520	1	60.7
<i>Picea smithiana</i>	2160	2850	10	478.2
<i>Abies pindrow</i>	2400	2880	5	353.68
Broad-leaved	2150	2550	4	269.51
<i>Quercus semecarpifolia</i>	2650	3580	2	225.81
<i>Cedrus deodara-Pinus wallichiana</i> mixed	1920	2380	4	118.15
<i>Cedrus deodara- Quercus floribunda</i> mixed	2070	2370	1	59.08
<i>Cedrus deodara-Quercus semecarpifolia</i> mixed	2160	2850	2	127.87
<i>Cedrus deodara- Abies pindrow</i> mixed	2070	2760	3	122.21
<i>Cedrus deodara- Broad-leaved</i> mixed	2070	2650	2	152.96
<i>Cedrus deodara- Picea smithiana</i> mixed	2150	2700	1	23.47
<i>Pinus wallichiana-Cedrus deodara</i> mixed	2220	2700	2	100.77
<i>Abies pindrow-Cedrus deodara</i> mixed	1950	2670	3	142.04
<i>Abies pindrow-Picea smithiana</i> mixed	2250	2757	3	101.97
Broad-leaved- <i>Taxus baccata</i> mixed	1980	2850	1	32.37
<i>Picea smithiana-Abies pindrow</i>	2160	2880	5	291.34
<i>Picea smithiana</i> -Broad-leaved	2070	2400	1	37.23
<i>Picea smithiana Cedrus deodara</i>	2160	2695	1	73.65
<i>Picea smithiana-Taxus baccata</i> mixed	2460	3470	2	193.43
<i>Picea smithiana-Quercus semecarpifolia</i> mixed	2460	3490	2	207.22
<i>Pinus wallichiana</i> -Broad-leaved mixed	2070	2400	1	56.65
<i>Pinus wallichiana-Quercus leucotrichophora</i> mixed	1950	2280	2	73.64

Broad-leaved- <i>Pinus wallichiana</i> mixed	1890	2200	1	75.27
Broad-leaved- <i>Abies pindrow</i> mixed	2040	2490	1	50.18
<i>Taxus baccata- Abies pindrow</i> mixed	2220	2760	1	54.63
<i>Quercus semecarpifolia- Taxus baccata</i> mixed	2280	3360	4	491.68
<i>Quercus semecarpifolia- Picea smithiana</i> mixed	2490	3450	1	153.73
Total			<b>146</b>	<b>6876.31</b>
<b>Rohru Division (1969-1994)</b>				
<i>Cedrus deodara</i>	2034	2819	19	1365.82
<i>Pinus wallichiana</i>	2187	2712	45	4551.71
<i>Abies pindrow</i>	2700	2945	9	1150.54
<i>Pinus roxburghii</i>	1600	1974	6	399.02
Broad-leaved	1650	2100	3	335.08
<i>Quercus leucotrichophora</i>	1700	1890	2	121
<i>Picea smithiana</i>	2310	2690	1	66.37
<i>Abies pindrow-Broad-leaved</i> mixed	2670	2900	1	117.36
<i>Pinus smithiana-Cedrus deodara</i> mixed	2380	2415	4	346.01
<i>Abies pindrow-Picea smithiana</i> mixed	2330	2440	3	309.17
<i>Cedrus deodara-Pinus wallichiana</i> mixed	2010	2890	1	84.58
<i>Pinus wallichiana-Cedrus deodara</i> mixed	2100	2800	1	212.4
Broad-leaved- <i>Pinus wallichiana</i> mixed	2300	2760	1	82.55
<i>Picea smithiana-Abies pindrow</i> mixed	2160	2700	2	288.13
Total			<b>98</b>	<b>9429.74</b>
<b>Theog Division (1981-1996)</b>				
<i>Cedrus deodara</i>	1680	2670	15	517.7
<i>Pinus wallichiana</i>	1580	2680	10	501
<i>Abies pindrow</i>	2500	3010	1	75
Broad-leaved	2210	2590	1	25
<i>Pinus wallichiana-Broad-leaved</i> mixed	1800	2570	2	120.6
<i>Cedrus deodara-Pinus wallichiana</i> mixed	1740	1830	1	16.6
<i>Cedrus deodara-Picea smithiana</i> mixed	1980	2820	2	158.6
<i>Quercus floribunda-Broad-leaved</i> mixed	2000	2680	2	87
<i>Pinus wallichiana-Picea smithiana</i> mixed	2060	2620	1	67.6
<i>Abies pindrow-Quercus floribunda</i> mixed	2130	2600	1	91.8
Total			<b>36</b>	<b>1660.9</b>

Kullu Division (1949-1994)				
Tree community	Min. altitude (m)	Max. altitude (m)	Forest Compart.	Area assessed (ha)
<i>Cedrus deodara</i>	1500	2500	27	870.67
<i>Pinus wallichiana</i>	1500	2500	12	527.27
<i>Abies pindrow</i>	2000	3000	11	1609.82
<i>Picea smithiana</i>	1500	3000	53	2395.31
<i>Quercus semecarpifolia</i>	2500	3000	6	366.55
Broad leaved	2000	3000	12	959.99
<i>Cedrus deodara-Picea smithiana</i> mixed	2000	2500	4	135.70
<i>Pinus wallichiana- Cedrus deodara</i> mixed	2000	2500	4	107.28
Total			<b>129</b>	<b>6972.59</b>
Banjar/ Seraj Division (1986-2013)				
<i>Cedrus deodara</i>	1645	2621	22	454.47
<i>Pinus wallichiana</i>	1645	3108	15	486.8
<i>Pinus roxburghii</i>	1432	2118	5	178.47
<i>Picea smithiana</i>	1584	2956	10	266.68
<i>Abies pindrow</i>	2392	3078	3	120.08
<i>Quercus leucotrichophora</i>	1447	2316	2	79.27
<i>Cedrus deodara-Pinus wallichiana</i> mixed	1828	2686	4	74.87
<i>Abies pindrow-Taxus baccata</i> mixed	2270	3048	6	275.02
<i>Abies pindrow-Picea smithiana</i> mixed	2225	2987	6	232.62
<i>Abies pindrow-Broad-leaved</i> mixed	2392	3078	2	106.59
<i>Taxus baccata-Abies pindrow</i> mixed	2225	3259	2	73.64
<i>Quercus leucotrichophora-Pinus wallichiana</i> mixed	1859	2788	1	116.59
<i>Quercus semecarpifolia- Quercus leucotrichophora</i> mixed	1859	2760	1	92.68
<i>Picea smithiana-Taxus baccata</i> mixed	2631	3352	1	28.81
<i>Taxus baccata-Picea smithiana</i> mixed	2407	3185	1	37.49
<i>Quercus semecarpifolia- Taxus baccata</i> mixed	2286	2577	1	86.5
Broad-leaved- <i>Picea smithiana</i> mixed	2148	2606	1	91.11
<i>Quercus semecarpifolia- Taxus baccata-Abies pindrow</i> mixed	2392	3078	1	36.02
<i>Picea smithiana-Abies pindrow - Pinus wallichiana</i> mixed	2270	2926	1	53.41
Total			<b>85</b>	<b>2891.12</b>
Parvati Division (1986-2013)				
<i>Cedrus deodara</i>	1400	2773	20	833.87
<i>Pinus wallichiana</i>	1280	3440	21	1335.14
<i>Abies pindrow</i>	1611	3450	12	945.12
<i>Picea smithiana</i>	1905	3017	3	214.28
<i>Pinus roxburghii</i>	1768	2152	1	12.95
Broad-Leaved	1430	3000	4	275.58
<i>Abies pindrow-Picea smithiana</i> mixed	2012	3470	2	153.75
<i>Picea smithiana - Cedrus deodara</i> mixed	2130	2811	2	143.48
<i>Picea smithiana-Pinus wallichiana</i> mixed	2133	2575	1	29.5
<i>Pinus wallichiana- Cedrus deodara</i> mixed	1920	2670	2	103.19
Broad-leaved - <i>Picea smithiana</i> mixed	1930	3000	1	112.09
<i>Pinus wallichiana- Pinus roxburghii</i> mixed	1976	2652	1	48.97
<i>Cedrus deodara-Picea smithiana</i> mixed	2133	2650	2	135.74

Total		72	4343.66
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## Mandi Circle

Karsog Forest Division (1986-2013)				
Communities	No. of Forests/ Compartments	Alt. ranges (Min-Max)	Area (ha)	Forest Ranges
<i>Pinus roxburghii</i>	84	800-2420	3973.9	Karsog, Pangna, Seri, Magroo
<i>Pinus wallichiana</i>	11	1500-2284	394.96	Seri, Magroo
<i>Cedrus deodara</i>	19	1460-2834	902.33	Karsog, Pangna, Seri, Magroo
<i>Picea smithiana</i>	5	1828-3090	300.02	Magroo
<i>Abies pindrow</i>	4	1960-2980	152.38	Magroo
<i>Quercus leucotrichophora</i>	3	1180-2140	168.95	Karsog, Seri
<i>Pinus roxburghii</i> - <i>Pinus wallichiana</i>	5	1360-2112	336.55	Karsog, Pangna, Seri, Magroo
<i>Pinus roxburghii</i> - Broad leaved	2	1360-1800	45.17	Karsog, Seri
<i>Pinus wallichiana</i> - <i>Quercus leucotrichophora</i>	1	2160-2330	38.52	Magroo
<i>Quercus leucotrichophora</i> -Broad leaved	1	2160-2500	27.37	Magroo
<i>Cedrus deodara</i> - Broad leaved	1	1828-2499	44.15	Magroo
<i>Cedrus deodara</i> - <i>Pinus wallichiana</i>	4	1768-2560	131.02	Magroo
<i>Pinus wallichiana</i> - Broad leaved	1	1860-2200	31.19	Magroo
<b>Total</b>	<b>141</b>		<b>6523.46</b>	<b>4</b>

## Chamba Circle

Chamba Forest Division (1994-2016)			
Communities	No. of Forest/Compartment	Area (ha)	Forest Ranges
<i>Cedrus deodara</i> (CD)	11	450.5	Masrund, Lower Chamba, Upper Chamba
<i>Picea smithiana</i> (PS)	5	401.19	Lower Chamba, Upper Chamba
<i>Pinus roxburghii</i> (PR)	9	382.64	Masrund, Lower Chamba, Upper Chamba
<i>Pinus wallichiana</i> (PW)	3	154.89	Masrund, Upper Chamba
<i>Quercus leucotrichophora</i> (QL)	5	295.82	Masrund, Lower Chamba, Upper Chamba
<i>Quercus semecarpifolia</i> (QS)	2	112.51	Upper Chamba
Other Broad Leaved	13	840.77	Tikkari, upper Chamba
<i>Cedrus deodara-Quercus leucotrichophora</i> (CD-QL)	3	185.35	Masrund, Lower Chamba, Upper Chamba
<i>Pinus roxburghii-Quercus leucotrichophora</i> (PR-QL)	1	30.35	Masrund
<i>Abies pindrow-Quercus floribunda</i> (AP-QF)	1	56.66	Lower Chamba
<i>Quercus leucotrichophora</i> -Other Broad Leaved (QL-OBL)	1	72.7	Tikkari
<i>Pinus wallichiana</i> -Other Broad Leaved (PW-OBL)	1	26.71	Tikkari

<i>Abies pindrow</i> -Other Broad Leaved (AP-OBL)	2	321.81	Tikkari
<i>Cedrus deodara</i> - <i>Picea smithiana</i> (CD-PS)	1	38.04	Upper Chamba
<i>Picea smithiana</i> -Other Broad Leaved (PS-OBL)	2	139.12	Tikkari, Masrund
<b>Total</b>	<b>60</b>	<b>3509.06</b>	

#### Dalhousie Forest Division (1969-2013)

Communities	No. of Forest/Compartment	Area (ha)	Forest Ranges
<i>Cedrus deodara</i> (CD)	14	483.29	Bakloh, Bhattiyat
<i>Picea smithiana</i> (PS)	2	32	Chowari
<i>Pinus roxburghii</i> (PR)	32	1035.08	Bakloh, Chowari and Bhattiyat
<i>Quercus leucotrichophora</i> (QL)	1	12.54	Bhattiyat
<i>Abies pindrow</i> (AP)	1	42.9	Bhattiyat
<b>Total</b>	<b>50</b>	<b>1605.81</b>	

#### Nahan Circle

#### Solan Forest Division

Communities	No. of Forest/Compartment	Area (ha)	Forest Ranges
<i>Cedrus deodara</i> (CD)	11	450.5	Masrund, Lower Chamba, Upper Chamba
<i>Picea smithiana</i> (PS)	5	401.19	Lower Chamba, Upper Chamba
<i>Pinus roxburghii</i> (PR)	9	382.64	Masrund, Lower Chamba, Upper Chamba
<i>Pinus wallichiana</i> (PW)	3	154.89	Masrund, Upper Chamba
<i>Quercus leucotrichophora</i> (QL)	5	295.82	Masrund, Lower Chamba, Upper Chamba
<i>Quercus semecarpifolia</i> (QS)	2	112.51	Upper Chamba
Other Broad Leaved	13	840.77	Tikkari, upper Chamba
<i>Cedrus deodara</i> - <i>Quercus leucotrichophora</i> (CD-QL)	3	185.35	Masrund, Lower Chamba, Upper Chamba
<i>Pinus roxburghii</i> - <i>Quercus leucotrichophora</i> (PR-QL)	1	30.35	Masrund
<i>Abies pindrow</i> - <i>Quercus floribunda</i> (AP-QF)	1	56.66	Lower Chamba
<i>Quercus leucotrichophora</i> -Other Broad Leaved (QL-OBL)	1	72.7	Tikkari
<i>Pinus wallichiana</i> -Other Broad Leaved (PW-OBL)	1	26.71	Tikkari
<i>Abies pindrow</i> -Other Broad Leaved (AP-OBL)	2	321.81	Tikkari
<i>Cedrus deodara</i> - <i>Picea smithiana</i> (CD-PS)	1	38.04	Upper Chamba
<i>Picea smithiana</i> -Other Broad Leaved (PS-OBL)	2	139.12	Tikkari, Masrund
<b>Total</b>	<b>60</b>	<b>3509.06</b>	<b>4</b>

## Dharamshala Circle

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Palampur Forest Division (1981-82 to 1995-96 and 2010-11 to 2024-25)			
Tree species community/Working Circle	No. of Forest/Compartment	Area (ha)	Forest Ranges
<i>Pinus roxburghii</i>	173	2396.18	Bajjnath, Droh and Palampur
Ban Oak	17	465.07	Bajjnath
Total	<b>190</b>	<b>2861.25</b>	<b>3</b>

## Rampur Circle

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Kinnaur Forest Division (1961-62 to 1975-76 and 2019-20 to 2034-35)			
Tree species community	No. of Forest/Compartment	Area (ha)	Forest Ranges
<i>Cedrus deodara</i>	39	9327.9	Nichar, Katgaon, Kilba, Bhaba Nagar, Kalpa, Moorang
<i>Pinus wallichiana</i>	5	891.98	Katgaon, Kalpa, Moorang
<i>Picea smithiana</i>	3	189	Kalpa, Kilba, Katgaon
Total	<b>47</b>	<b>10409</b>	<b>6</b>