

Distribution of Districts within Physiographic Zones (Total number of Districts: 593)

S.No.	States/UTs	Name of District
11. Western Ghats: (No. of Districts: 5-complete, 30-partial)		Area: 72,381 km²
1.	Dadra&NagarHaveli	Dadra & Nagar Haveli.
2.	Gujarat	Navsari*, Surat*, The Dangs, Valsad*.
3.	Karnataka	Chikmangalur*, Dakshina kannada*, Kodagu*, Shimoga*, Udupi*, Uttar Kannad*.
4.	Kerala	Ernakulam*, Idukki, Kasaragod*, Kollam*, Kottayam*, Palakkad*, Pathanmitta*, Wayanad.
5.	Maharashtra	Dhule*, Kolhapur*, Nandurbar*, Nashik*, Pune*, Raigarh*, Ratnagiri*, Sangli*, Satara*, Sindhudurg*, Thane*.
6.	Tamilnadu	Coimbatore*, Kanniyakumari*, The Nilgiris, Tiruneiveli*, Theni*.
12. Eastern Ghats: (No. of Districts: 12-complete, 28-partial)		Area: 191,698 km²
1.	Andhra Pradesh	Anantapur*, Chittoor, Cuddapah, East Godawari*, Guntur*, Khammam*, Krishna*, Kurnul*, Mahaboobnagar*, Nalgonda*, Nellore*, Prakasham*, Srikakulam*, Visakhapatnam*, Vizianagaram*, West Godawari*.
2.	Odisha	Baudh, Gajpati, Ganjam*, Kalahandi*, Kandhamal, Kordha*, Koraput*, Malkangiri, Nayagarh, Rayagada.
3.	Karnataka	Chamrajnagar*, Kolar*.
4.	Tamilnadu	Coimbatore*, Dharmapuri, Dindigul, Erode, Karur*, Madurai*, Tiruchirapalli*, Tiruvanmalai*, Namakkal, Salem*, Theni*, Vellore*.
14. East Coast: (No. of Districts: 24-complete, 23-partial)		Area: 167,494 km²
1.	Andaman & Nicobar Islands	Andamans, Nicobars.
2.	Andhra Pradesh	East Godavari*, Guntur*, Krishna*, Nellore*, Prakasam*, Srikakulam*, Visakhapatnam*, Vizianagaram*, West Godavari*.
3.	Odisha	Balasore*, Bhadrak, Cuttack*, Ganjam*, Jagatsinghapur, Jajapur*, Kendrapara, Khordha*, Mayurbhanj*, Puri.
4.	Puducherry	Karaikal, Pondicherry, Yanam.
5.	Tamil Nadu	Ariyalur, Chennai, Cluddalore, Kancheepuram, Kanyakumari*, Karur*, Madurai*, Nagapattinam, Perambalur, Pudukkottai, Ramanathapuram, Sivaganga, Salem*, Thanjavur, Thiruvallur, Thiruvarur, Tiruchirappalli*, Tirunelveli*, Tiruvanmalai*, Toothu-Kudi, Viluppuram, Virudhunagar, Vellore*.

* Total no. of districts are 593 out of which 97 Districts fall in two Physiographic zones & one district fall in three Physiographic zones.

Volume Equations

Volume equations to compute volume of wood in predominant trees in each physiographic zone are provided in the following Tables:

11 Western Ghat		
Sl.No.	Species Name	Volume Equation
1	<i>Artocarpus hirsuta</i>	$V=0.076-1.319D+11.370D^2$
2	<i>Olea dioica</i>	$V=-0.03001+5.75523D^2$
3	<i>Palaquium ellipticum</i>	$V=0.16948-1.85075D+10.63682D^2$
4	<i>Syzygium cumini</i>	$\sqrt{V}=0.30706+5.12731D-2.09870\sqrt{D}$
5	<i>Tectona grandis</i>	$V=-0.2414+2.8458D-5.5816D^2+14.816D^3$
6	<i>Terminalia alata (Terminalia tomentosa)</i>	$\sqrt{V}=-0.203947+3.159215D$
12 Eastern Ghat		
Sl.No.	Species Name	Volume Equation
1	<i>Anacardium occidentale</i>	$\sqrt{V}=0.06063+3.43666D-0.75571\sqrt{D}$
2	<i>Anogeissus latifolia</i>	$V=0.13928-2.87067D+20.22404D^2-13.80572D^3$
3	<i>Bombax ceiba</i>	$V/D^2=0.136196/D^2-2.07674/D+10.1566$
4	<i>Chukrasia tabularis</i>	$V=-0.079733-0.0021006D+0.001114D^2(\text{dia in cm})$
5	<i>Grewia tiliifolia</i>	$\log_e V=2.2491+2.5206 \log_e D$
6	<i>Pterocarpus marsupium</i>	$\sqrt{V}=-0.16276+2.82002D+0.04034\sqrt{D}$
7	<i>Shorea robusta</i>	$\sqrt{V}=0.19994+4.57179D-1.56823\sqrt{D}$
8	<i>Xylia xylocarpa</i>	$V=0.098-1.52D+8.963D^2$
14 East coast		
Sl.No.	Species Name	Volume Equation
1	<i>Bauhinia sp.</i>	$V=-0.04262+6.09491D^2$
2	<i>Boswellia serrata</i>	$V=0.36432-1.32768\sqrt{D}+9.48471D^2$
3	<i>Careya arborea</i>	$V=0.0219-0.9274D+7.4162 D^2$
4	<i>Cleistanthus collinus</i>	$\sqrt{V}=0.12956+3.7819D-1.04671\sqrt{D}$
5	<i>Hevea brasiliensis</i>	$\log_e V=2.1795+2.5045 \log_e D$
6	<i>Syzygium cumini</i>	$\log_e V=2.132776+2.479397 \log_e D$
7	<i>Tectona grandis</i>	$V=0.023613-0.531006D+6.731036D^2$

