

GPS BASED TREE CENSUS REPORT OF TRIMBAK MUNICIPAL COUNCIL

2023- 24



**SHREERAJ ENTERPRIZES,
NASHIK**

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Introduction:

Tree census refers to the systematic process of counting and recording information about trees within a particular area. This process typically involves gathering data on various aspects of trees such as species, size, health, and location. Tree censuses are often conducted by local governments, environmental organizations, or community groups to better understand and manage urban or natural forests. The information collected through a tree census can be used to assess the overall health of a forest, monitor changes over time, identify areas in need of conservation or restoration, and inform urban planning decisions related to green spaces and tree management. Additionally, tree censuses can help raise awareness about the importance of trees in mitigating climate change, supporting biodiversity, and improving air and water quality.

Why Tree Census??

In view of “The Maharashtra (Urban Areas) Preservation of Trees Act (1975), for better preservation, protection and plantation of trees on Urban areas, it is binding to the Municipal Corporation to carry out a census of trees in all lands within the jurisdiction once before 1996 and thereafter once in every five years. This is the reason why this activity has been taken up by the concerned authorities. The contract of the Tree census was awarded to Terracon Ecotech Pvt. Ltd., Mumbai on December 20, 2016.

Definition of Tree

A plant, by habit, having woody stem or trunk having minimum girth of 10 cm at chest level and has a height of 1.3 m above the ground level (Maharashtra Tree Act 1975 & Various Flora / Field Books on plants). Outcomes of the Tree census work

It is one of the best tools for the management and maintenance of city’s green cover as well as native biodiversity. It also helps in understanding the species composition of the studied area, tree to human population ratio, monitoring and maintenance, management of defective trees, carbon sequestration potential, etc.

Objectives of the Tree census work.

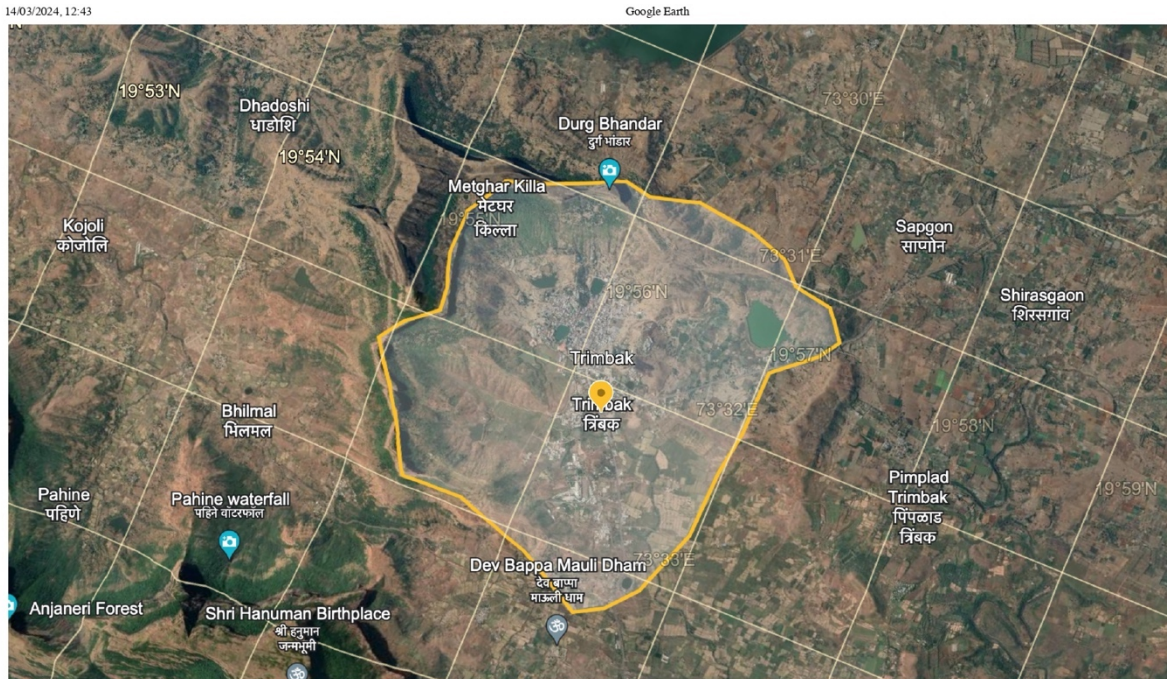
- To survey the trees in all lands, inclusive of government, private and corporation property, by counting each and every tree using census method.
- To provide the information on the secondary attributes like botanical name, family, flowering season, color of the flower, aesthetic/ economic value, etc.

Materials and Methods:

The first and foremost important step while conducting the field study is collecting the proper and appropriate quality raw data. This primary data proves to be the base for whole of the project and helps in deducing various conclusions during the entire project process. Thus, keeping these things in mind, we started collecting the primary data. In order to collect the primary data from the field, a mobile based geo enabled survey application was developed named as ‘Kobo Collect’. The ward boundaries from the Trimbak Municipal Council, Nashik were procured and calibrated in the survey application.

Simultaneously, the data collected using mobile application was synchronized with the web-based application. This helped in transfer of collected data on the field directly from the mobile application to the main server. The data transfer activity was an ongoing activity.

Map of Trimbak city:



https://earth.google.com/web/search/Trimbak,+Maharashtra/@19.94551901,73.52599759,740.34563863a,10913.97256386d,35y,247.67295983h,0t,0r/data=CjgJgokCR_CX-uvAzRAESFPMPE2zNAGZ5rGAbCZVJAIsYIIRzPXJAMi... 1/1

The detailed information of each species of tree has noted as per following table parameter

Table1: Specification of Tree Census of each tree.

Sr. No.	Specification	Parameter
1.	Location	<ul style="list-style-type: none">• Ward Name.• Area Name.• Latitude and Longitude
2.	Name and other information of each species	<ul style="list-style-type: none">• Botanical NameFamilyCommon NameEconomic and ecological significance
3.	Ownership of Tree	<ul style="list-style-type: none">• Government PremisesPrivateRoadside• On Mountain
4.	Physical parameter	<ul style="list-style-type: none">• Height
5.	Survey Details	<ul style="list-style-type: none">• Time• Dates

Trimbak city Summary:

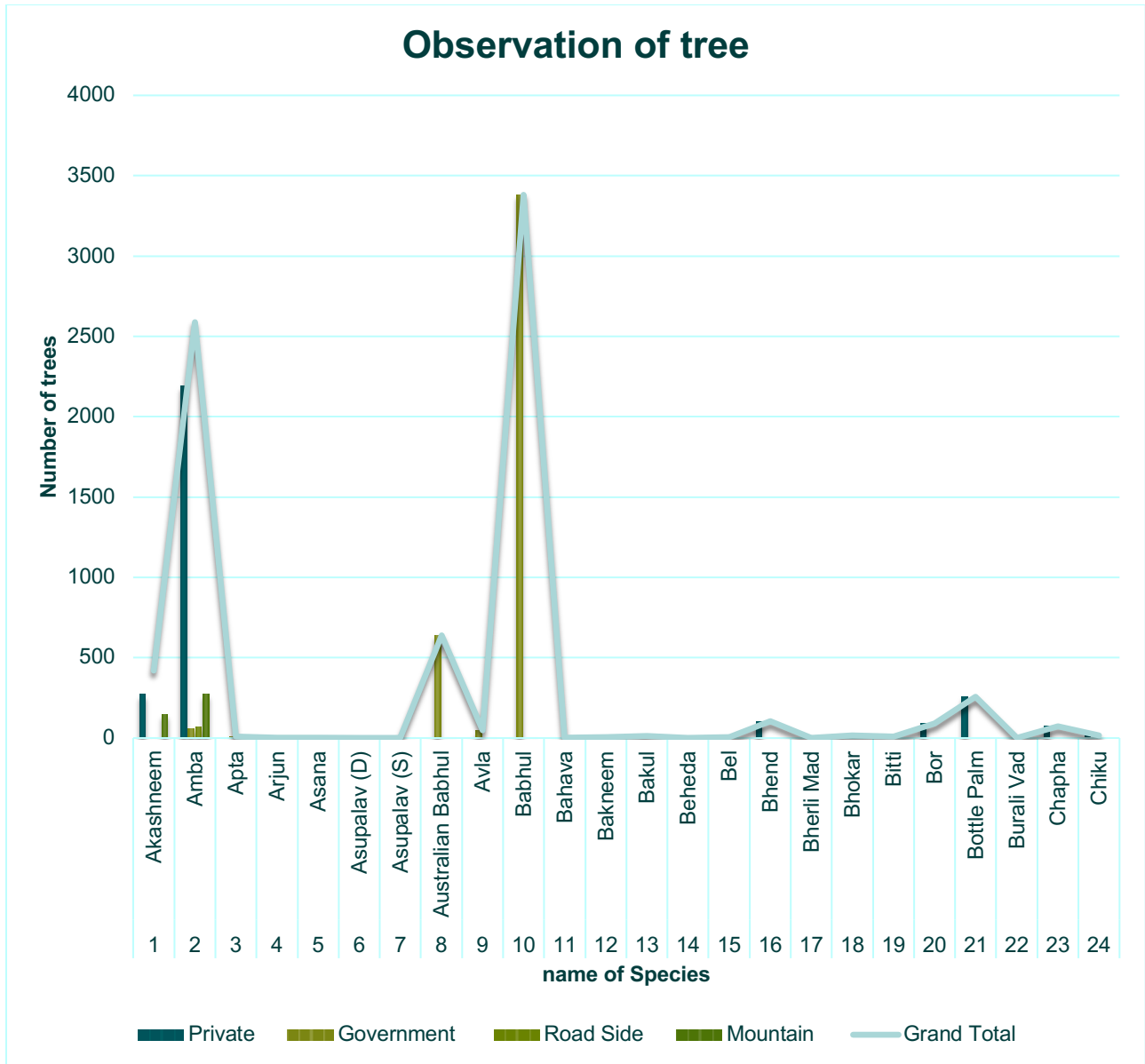
Trimbak (also known as Trimbakeshwar) is a city and a municipal council in Nashik District in the Indian state of Maharashtra. The Trimbakeshwar Shiva Temple is located here, one of the twelve Jyotirlingas, where the Hindu genealogy registers at Trimbakeshwar, Maharashtra are kept. The origin of the sacred Godavari River is near Trimbak. The Trimbak Municipal Council covers an area of 13.63 Sq.Km.

Tree census of Trimbak Municipal Council was carried out during year 2021-2022. Geo-coordinates of each tree were recorded using GPS instruments. The extensive field work resulted into count of **28,500** trees. Total of 113 species of trees belonging to 51 families were reported from study area. For each tree attributes like, local name, Birth, Height (approx.), Age (approx.), Canopy, Health condition & GPS coordinates were recorded in field. Summary of the results given below:

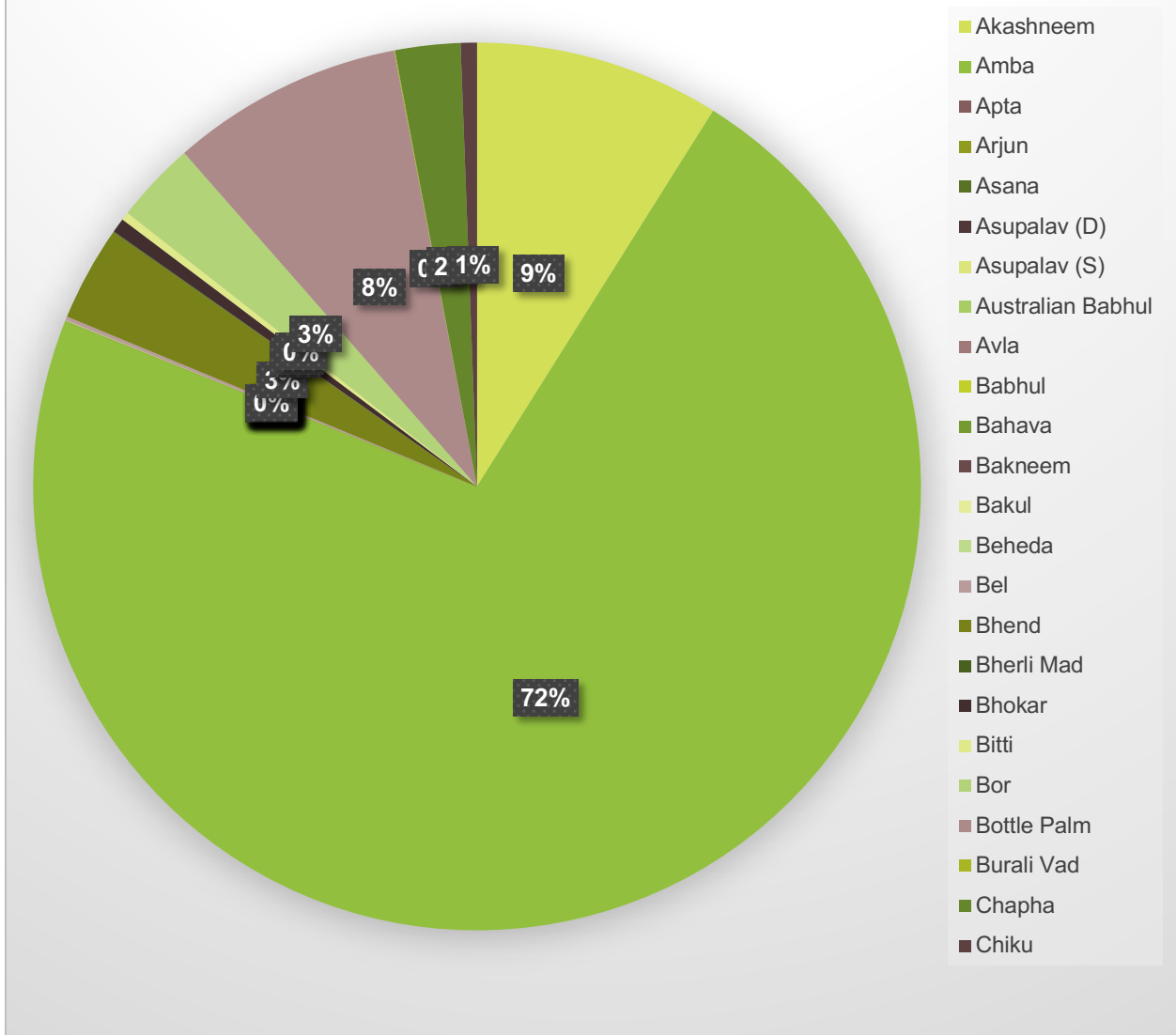
Ownership wise trees in Selected area of Project location

Table 2: Ownership of tree on project location ward 1, 2, 6 and 8.

Sr. No.	Name of Tree	Private	Government	Road Side	Mountain	Grand Total
1	Akashneem	271	2	0	148	421
2	Amba	2190	56	68	274	2588
3	Apta	0	9	0	0	9
4	Arjun	0	2	0	0	2
5	Asana	0	2	0	0	2
6	Asupalav (D)	0	1	0	0	1
7	Asupalav (S)	0	1	0	0	1
8	Australian Babhul	0	640	0	0	640
9	Avla	0	47	0	0	47
10	Babhul	0	3381	0	0	3381
11	Bahava	0	2	0	0	2
12	Bakneem	0	4	0	0	4
13	Bakul	0	14	0	0	14
14	Beheda	1	0	0	0	1
15	Bel	4	0	0	0	4
16	Bhend	105	0	0	0	105
17	Bherli Mad	1	0	0	0	1
18	Bhokar	16	0	0	0	16
19	Bitti	9	0	0	0	9
20	Bor	90	0	0	0	90
21	Bottle Palm	257	0	0	0	257
22	Burali Vad	1	0	0	0	1
23	Chapha	72	0	0	0	72
24	Chiku	18				18

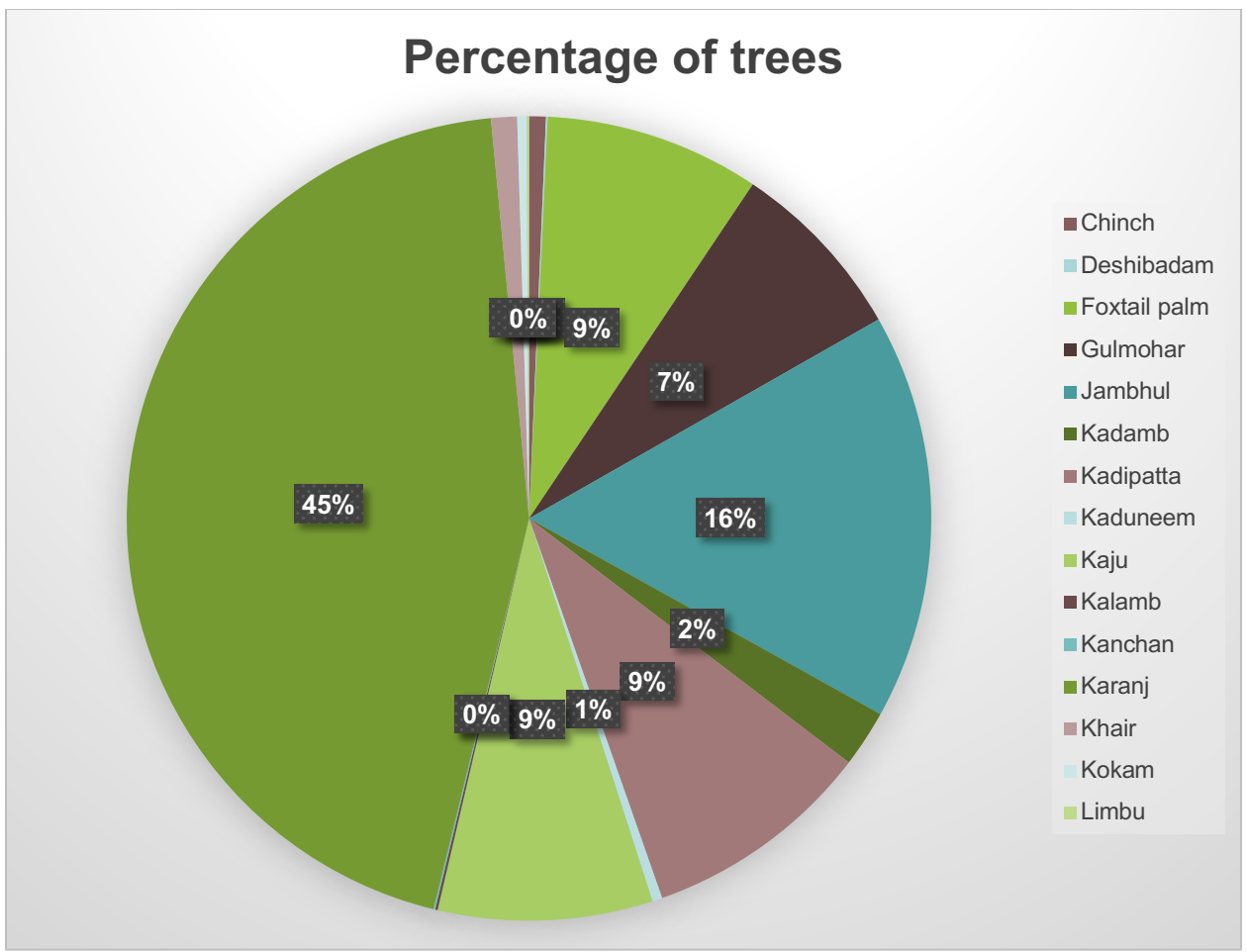
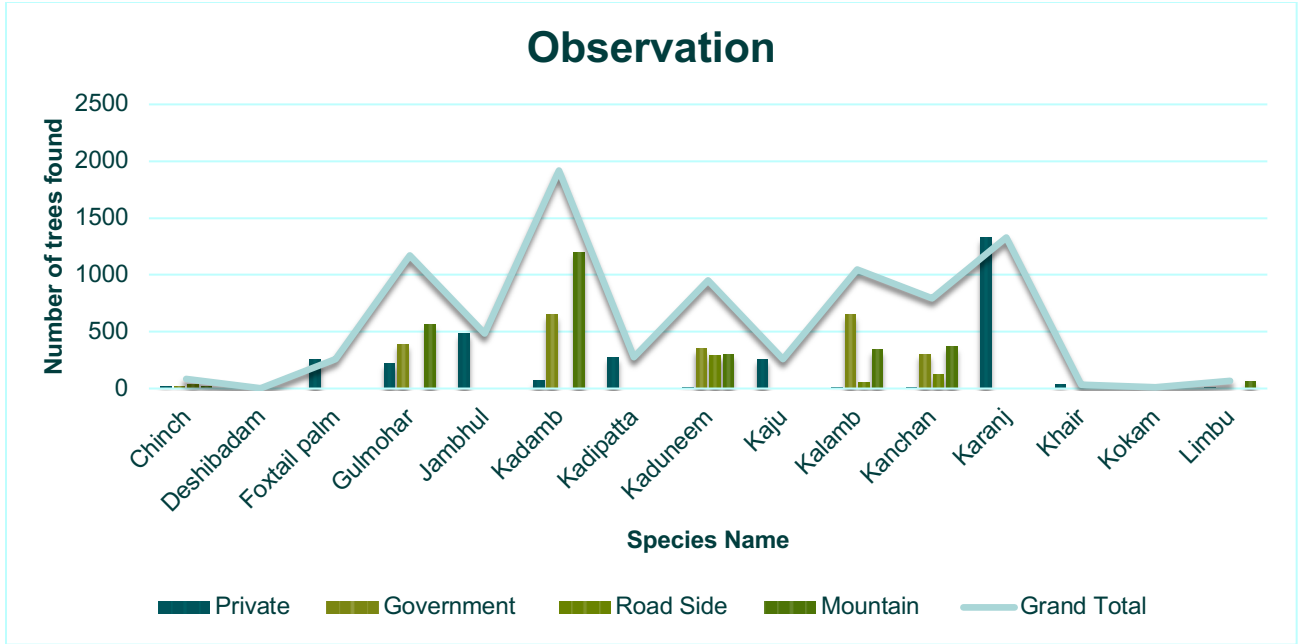


Percentage of trees



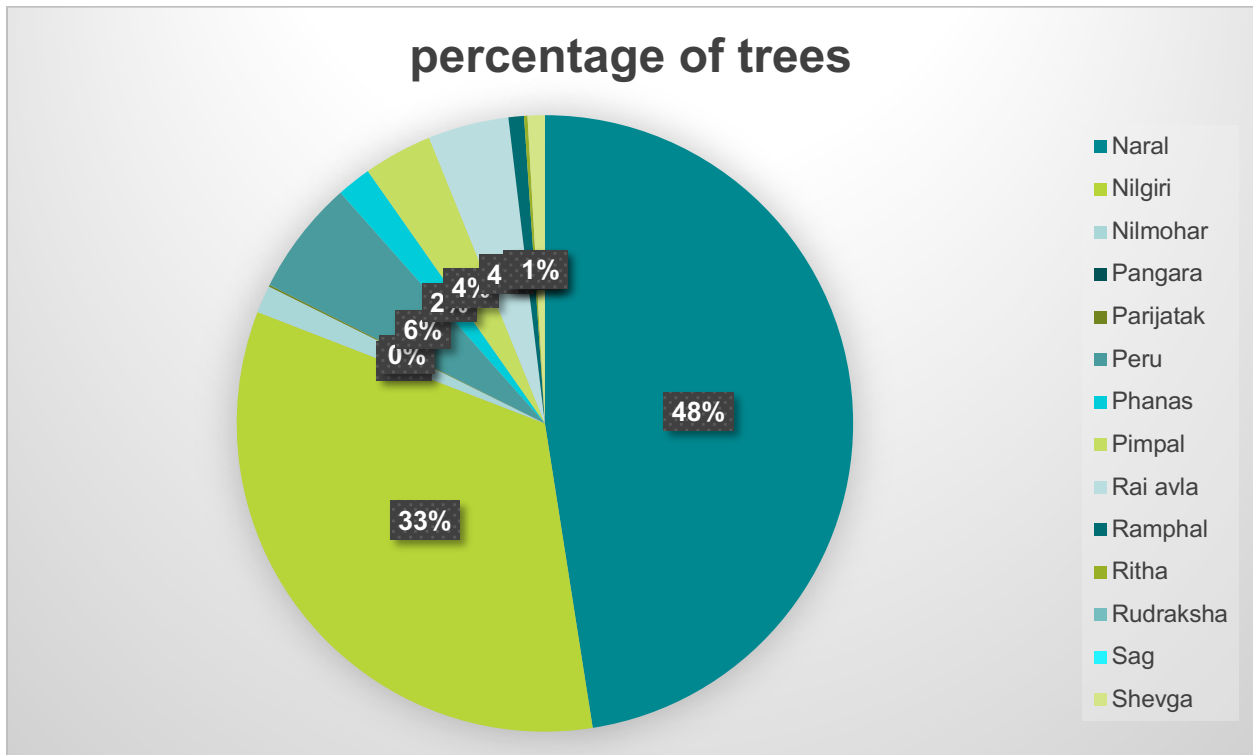
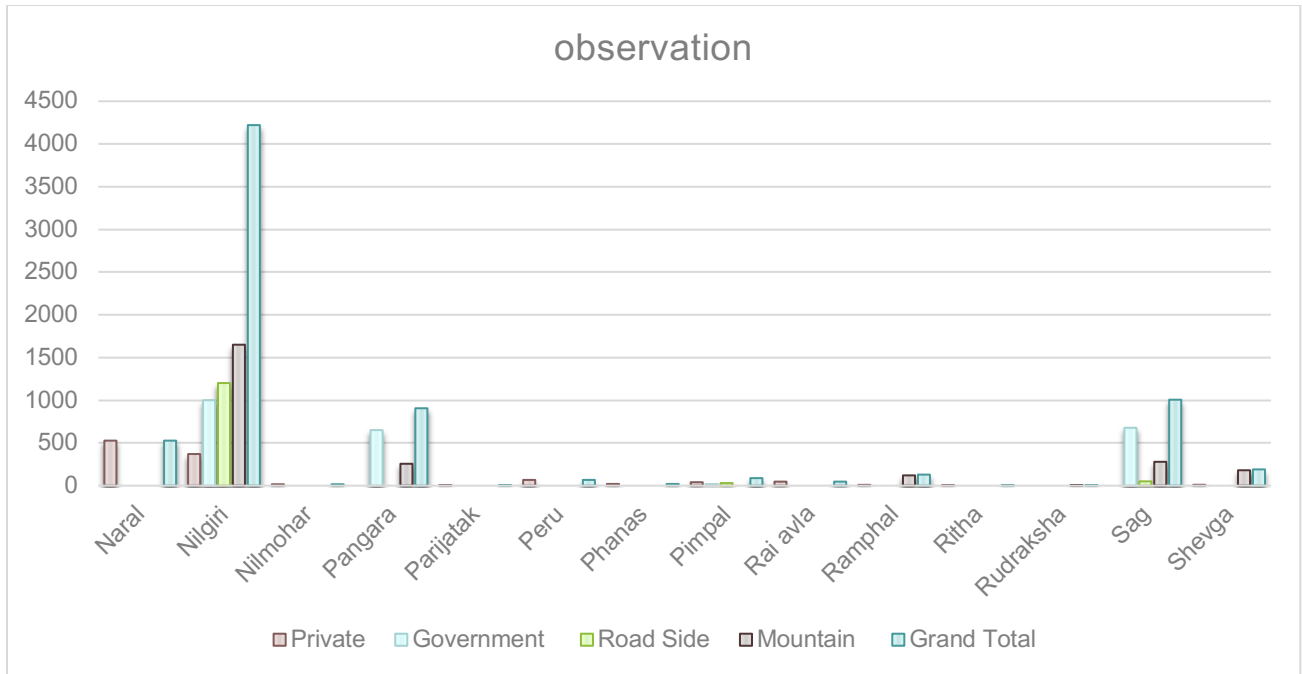
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Sr. No.	Name of Tree	Private	Government	Road Side	Mountain	Grand Total
25	Chinch	20	15	35	15	85
26	Deshibadam	2				2
27	Foxtail palm	257				257
28	Gulmohar	219	390		560	1169
29	Jambhul	485				485
30	Kadamb	68	650		1200	1918
31	Kadipatta	275				275
32	Kaduneem	12	350	290	300	952
33	Kaju	256				256
34	Kalamb	3	650	55	340	1048
35	Kanchan	2	300	120	370	792
36	Karanj	1327				1327
37	Khair	31				31
38	Kokam	11				11
39	Limbu	3			65	68



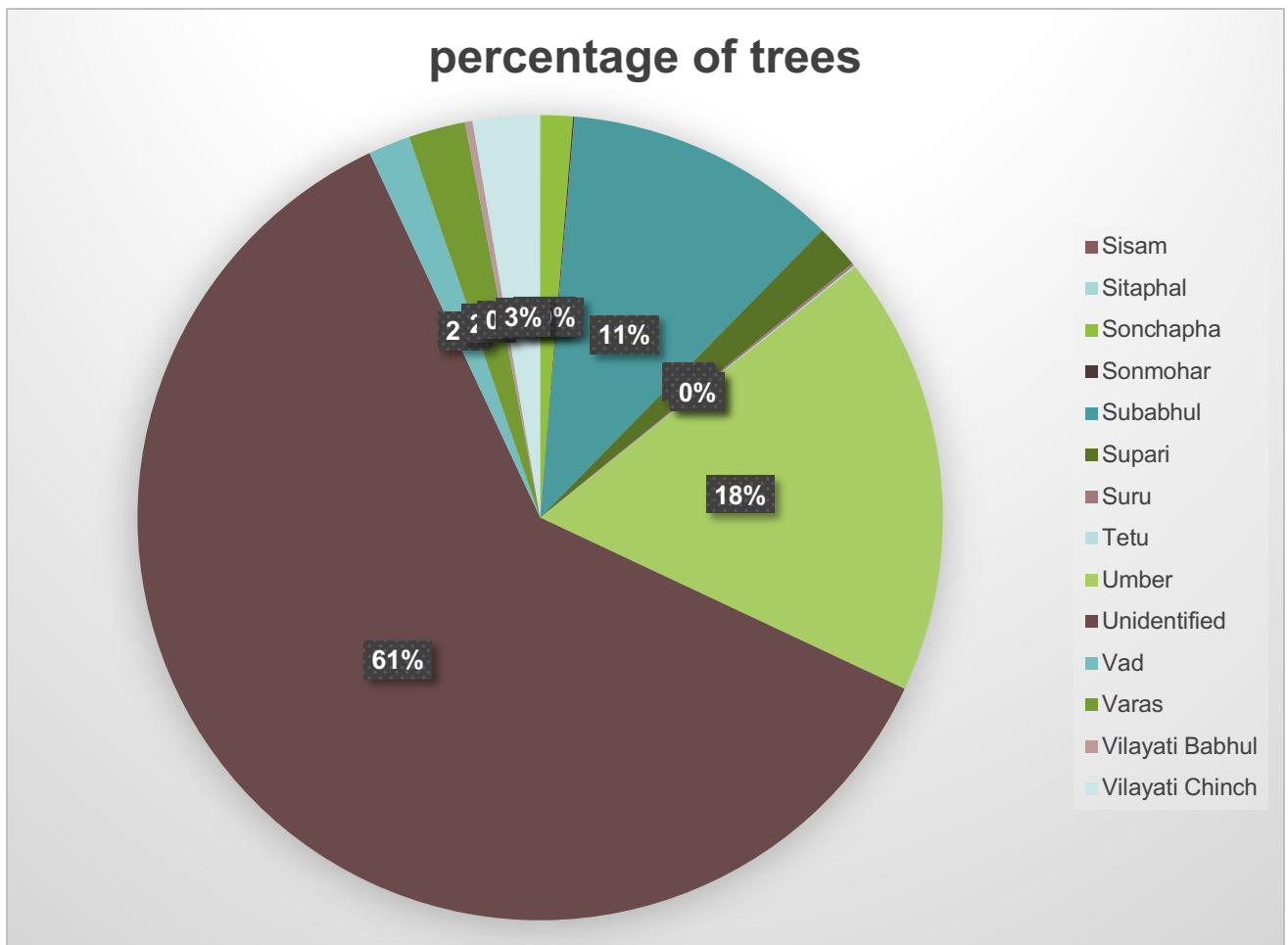
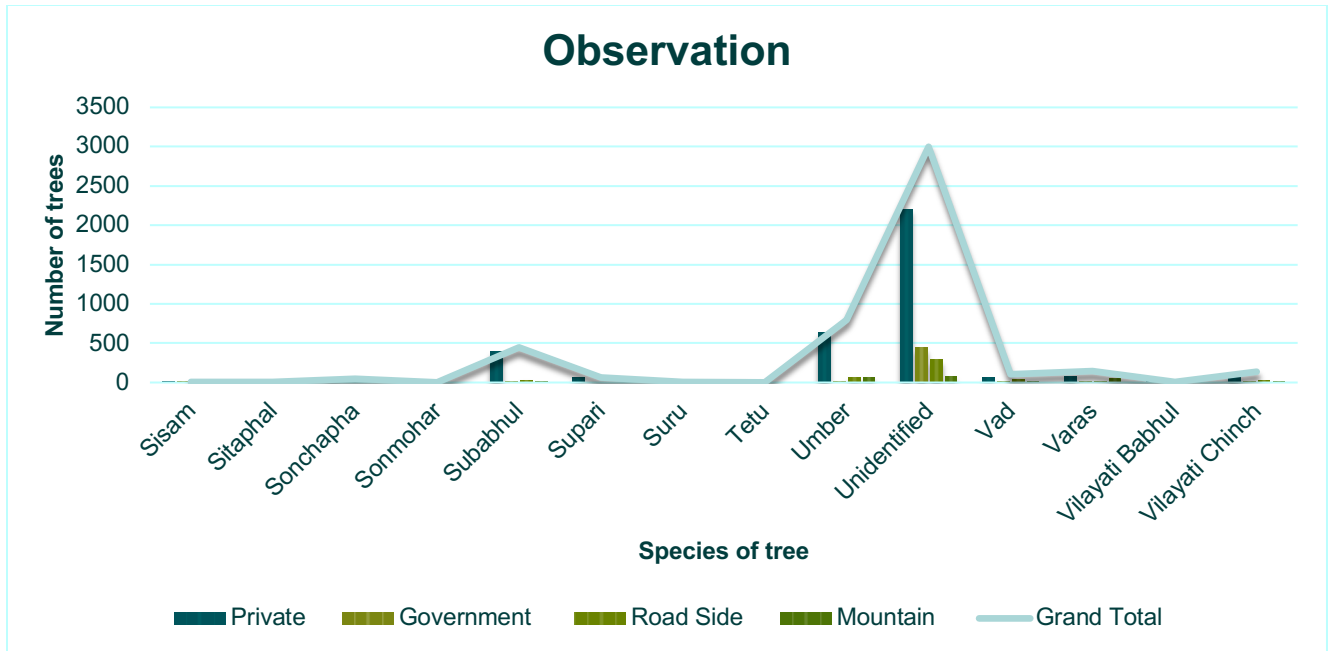
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Sr. No.	Name of Tree	Private	Government	Road Side	Mountain	Grand Total
40	Naral	527				527
41	Nilgiri	370	1000	1201	1650	4221
42	Nilmohar	16				16
43	Pangara		650		256	906
44	Parijatak	1				1
45	Peru	67				67
46	Phanas	20				20
47	Pimpal	40	18	30		88
48	Rai avla	47				47
49	Ramphal	9			120	129
50	Ritha	2				2
51	Rudraksha				2	2
52	Sag		677	50	279	1006
53	Shevga	10			180	190



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Sr. No.	Name of Tree	Private	Government	Road Side	Mountain	Grand Total
57	Sisam	1	2	7		10
58	Sitaphal				6	6
59	Sonchapha	46	2	2	1	51
60	Sonmohar	2				2
61	Subabhul	396	13	30	11	450
62	Supari	64				64
63	Suru	4				4
64	Tetu	2				2
65	Umber	638	16	70	69	793
66	Unidentified	2200	440	288	71	2999
67	Vad	61	6	32	9	108
68	Varas	82	2	5	54	143
69	Vilayati Babhul	11				11
70	Vilayati Chinch	97	8	29	3	137



Botanical information of trees

Sn	Common Name	Botanical Name	Family
1	Ain	<i>Terminalia crenulata</i> Roth.	Combretaceae
2	Akashneem	<i>Millingtonia hortensis</i> Linn.f.	Bignoniaceae
3	All Spice tree	<i>Pimenta dioica</i> (L.) Merr.	Myrtaceae
4	Alu	<i>Meyna spinosa</i> Roxb. ex Link	Rubiaceae
5	Amba	<i>Mangifera indica</i> Linn.	Anacardiaceae
6	Ambada	<i>Spondias pinnata</i> (Linn.f.) Kurz	Anacardiaceae
7	Anjir	<i>Ficus carica</i> Linn.	Moraceae
8	Apta	<i>Bauhinia racemosa</i> Lamk.	Caesalpiniaceae
9	Arjun	<i>Terminalia arjuna</i> (Roxb.) Wt&Arn.	Combretaceae
10	Asana	<i>Bridelia retusa</i> (Linn.) Spreng.	Euphorbiaceae
11	Ashok	<i>Saraca asoka</i> (Roxb.) de Willde	Caesalpiniaceae
12	Asupalav (D)	<i>Polyalthia longifolia</i> var. <i>pendula</i> (Sonn.) Thw.	Annonaceae
13	Asupalav (S)	<i>Polyalthia longifolia</i> (Sonn.) Thw.	Annonaceae
14	Atrun	<i>Flacourtia montana</i> Graham	Flacourtiaceae
15	Australian Babhul	<i>Acacia auriculiformis</i> A.Cunn.ex Benth.	Mimosaceae
16	Avla	<i>Embllica officinalis</i> Gaertn.	Euphorbiaceae
17	Babhul	<i>Acacia nilotica</i> (Linn.) Del.	Mimosaceae
18	Bahava	<i>Cassia fistula</i> Linn.	Caesalpiniaceae
19	Bakneem	<i>Melia azadirach</i> Linn.	Meliaceae
20	Bakul	<i>Mimusops elengi</i> Linn.	Sapotaceae
21	Beheda	<i>Terminalia bellerica</i> (Gaertn.) Roxb.	Combretaceae
22	Bel	<i>Aegle marmelos</i> (Linn.) Correa	Rutaceae
23	Bhend	<i>Thespesia populnea</i> (Linn.) Sol.ex Cor.	Malvaceae
24	Bherli Mad	<i>Caryota urens</i> Linn.	Arecaceae
25	Bhokar	<i>Cordia dichotoma</i> Forst. f.	Boraginaceae
26	Bhorsal	<i>Hymenodictyon orixense</i> (Roxb.) Mabb.	Rubiaceae
27	Bitti	<i>Thevetia peruviana</i> (Pers.) K. Schum.	Apocynaceae
28	Bivla	<i>Pterocarpus marsupium</i> Roxb.	Fabaceae
29	Bondara	<i>Lagerstroemia lanceolata</i> Wall.	Lythraceae
30	Bor	<i>Ziziphus mauritiana</i> Lamk.	Rhamnaceae
31	Bottle Brush	<i>Callistemon citrinus</i> (Curtis) Skeels	Myrtaceae
32	Bottle Palm	<i>Roystonea regia</i> (H.B.K.) Cooke	Arecaceae

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33	Burali Vad	<i>Ficus mysorensis</i> Heyne	Moraceae
34	Chanda	<i>Macaranga peltata</i> Muell.-Arg.	Euphorbiaceae
35	Chandan	<i>Santalum album</i> Linn.	Santalaceae
36	Chapha	<i>Plumeria alba</i> Linn.	Apocynaceae
37	Charcoal Tree	<i>Trema orientalis</i> Blume	Ulmaceae
38	Chenduphul	<i>Parkia biglandulosa</i> Wight & Arn.	Mimosaceae
39	Chiku	<i>Manilkara zapota</i> (Linn.) Van Royen	Sapotaceae
40	Chinch	<i>Tamarindus indica</i> Linn.	Caesalpiniaceae
41	Christmas Tree	<i>Aruacaria columnaris</i> Hk.	Aruacariaceae
42	Coffee	<i>Theobroma cacao</i> Linn.	Sterculiaceae

Sn	Common Name	Botanical Name	Family
43	Dalchini	<i>Cinnamomum verum</i>	Lauraceae
44	Dalimb	<i>Punica granatum</i> Linn.	Punicaceae
45	Dandus	<i>Dalbergia lanceolaria</i> L.f.	Fabaceae
46	Datrang	<i>Ehretia laevis</i> Roxb.	Ehretiaceae
47	Deshibadam	<i>Terminalia catappa</i> Linn.	Combretaceae
48	Devil's Claw	<i>Elaeis guineensis</i> Jacq.	Arecaceae
49	Dhaman	<i>Grewia tiliaefolia</i> Vahl.	Tiliaceae
50	Diospyros sp.	<i>Diospyros</i> sp.	Diospyros sp.
51	Euphorbia umbellata	<i>Euphorbia umbellata</i> (Pax) Bruyns	
52	F. Benjamina	<i>Ficus benjamina</i> Linn.	Moraceae
53	F. Benjamina Var. Nuda	<i>Ficus benjamina</i> L	Moraceae
54	F. Microcarpa	<i>Ficus microcarpa</i> L.f	Moraceae
55	F. Tsiela	<i>Ficus tsiela</i> Roxb.	Moraceae
56	Falconeria insignis	<i>Falconeria insignis</i> Royle.	
57	Fan palm	<i>Livistonia chinensis</i> R. Br.	Arecaceae
58	Ficus sp.	<i>Ficus</i> sps.	Moraceae
59	Foxtail palm	<i>Wodyetia bifurcata</i> A.K.Irvine	Arecaceae
60	Gela	<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Rubiaceae
61	Giripushpa	<i>Gliricidia sepium</i> (Jacq.) H.B.K.	Fabaceae
62	Gulmohar	<i>Delonix regia</i> (Hook.) Rafin.	Caesalpiniaceae
63	Haldu	<i>Haldinia cordifolia</i> (Roxb.) Ridsdale	Rubiaceae
64	Hanumanphal	<i>Annona muricata</i> L.	
65	Hirda	<i>Terminalia chebula</i> Retz.	Combretaceae

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66	Humb	<i>Milliusa tomentosa</i> (Roxb.) Sinclair	Annonaceae
67	Id Limbu	<i>Citrus lemon</i> (Linn.) Burm.f.	Rutaceae
68	Indian Rubber Tree	<i>Ficus elastica</i> Roxb.	Moraceae
69	Jamb	<i>Syzygium samarangens</i> (Blume) Mer. & Per.	Myrtaceae
70	Jambha	<i>Xylia xylocarpa</i> (Roxb.) Taub.	Mimosaceae
71	Jambhul	<i>Syzygium cuminii</i> (Linn.) Skeels	Myrtaceae
72	Kadamb	<i>Neolamarkiana cadamba</i> (Roxb.) Bosser.	Rubiaceae
73	Kadipatta	<i>Murraya koenigii</i> (L.) Spreng.	Rutaceae
74	Kaduneem	<i>Azadirachta indica</i> (Linn.) A. Juss.	Meliaceae
75	Kailashpati	<i>Couroupita guianensis</i> Aubl.	Lecythidaceae
76	Kaju	<i>Anacardium occidentale</i> Linn.	Anacardiaceae
77	Kakad	<i>Garuga pinnata</i> Roxb.	Burseraceae
78	Kala Kuda	<i>Wrightia tinctoria</i> R.Br.	Apocynaceae
79	Kalamb	<i>Mitragyna parvifolia</i> (Roxb.) Korth	Rubiaceae
80	Kanchan	<i>Bauhinia purpurea</i> Linn.	Caesalpiniaceae
81	Karanj	<i>Pongamia pinnata</i> (Linn.) Pierre	Fabaceae
82	Karmal	<i>Averrhoa carambola</i> L.	Oxalidaceae
83	Kashid	<i>Cassia siamea</i> Lamk.	Caesalpiniaceae
84	Katesavar	<i>Bombax ceiba</i> Linn.	Bombacaceae
85	Khair	<i>Acacia catechuoides</i> (Roxb.) Benth.	Mimosaceae
86	Khaya	<i>Khaya senegalensis</i> (Desr.) A. Juss.	Meliaceae
87	Khejdi	<i>Prosopis chilensis</i> (Molina) Stunz.	Mimosaceae
88	Khirni	<i>Manilkara hexandra</i> (Roxb.) Dubard	Sapotaceae
89	Kinai	<i>Albizia procera</i> (Roxb.) Benth.	Mimosaceae
90	Kokam	<i>Garcinia indica</i> (Thou.) Chois.	Clusiaceae
91	Kuda	<i>Wrightia tinctoria</i> (Roxb.) R. Br.	Apocynaceae
92	Kumkum	<i>Mallotus philippensis</i> (Lam.) Müll.Arg.	Euphorbiaceae
93	Kusum	<i>Schleicheria oleosa</i> (Lour.) Oken	Sapindaceae
94	Lanceleaf buttonwood	<i>Conocarpus lancifolius</i> Engl.	
95	Lettuce Tree	<i>Pisonia alba</i> Spanog.	Nyctaginaceae
96	Libi Divi	<i>Caesalpinia coriaria</i> (Jacq.) Willd.	Caesalpiniaceae
97	Limbu	<i>Citrus aurantifolia</i> (Christ.) Swingle	Rutaceae
98	Madagascar almond	<i>Terminalia mantaly</i> H. Perrier	
99	Madhuca Longifolia	<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A.Chev.	Sapotaceae
100	Mahaneem	<i>Melia azedarach</i> L.	Meliaceae

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101	Maharukh	<i>Alianthus excelsa</i> Roxb.	Simaroubaceae
102	Mahogani	<i>Swetinia macrophylla</i> King	Meliaceae
103	Mayurpankhi	<i>Thuja biota</i> (Linn.,) Blume	Thujaoideae
104	Mogli Erand	<i>Jatropha curcas</i> Linn.	Euphorbiaceae
105	Moha	<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) Chev.	Sapotaceae
106	Nana	<i>Lagerstroemia parviflora</i> Roxb.	Lythraceae
107	Nandruk	<i>Ficus microcarpa</i> L.f.	Moraceae
108	Naral	<i>Cocos nucifera</i> Linn.	Arecaceae
109	Nilgiri	<i>Eucalyptus globulus</i> Labil.	Myrtaceae
110	Nilmohar	<i>Jacaranda mimosaeifolia</i> D. Don	Bignoniaceae
111	Palas	<i>Butea monosperma</i> (Lamk.) Kuntze	Fabaceae
112	Pandhara khair	<i>Acacia polyacantha</i> Willd.	Mimosaceae
113	Pangara	<i>Erythrina variegata</i> var <i>orientalis</i> (Linn.) Merrill	Fabaceae
114	Papanas	<i>Citrus maxima</i> (Burm.) Merr.	Rutaceae
115	Parijatak	<i>Nyctanthus arbor-tristis</i> Linn.	Oleaceae
116	Payar	<i>Ficus arnottiana</i> (Miq.) Miq.	Moraceae
117	Peru	<i>Psidium guajava</i> Linn.	Myrtaceae
118	Phanas	<i>Artocarpus heterophyllus</i> Lamk.	Moraceae
119	Pichkari	<i>Spathodia campanulata</i> Beauv.	Bignoniaceae
120	Pimpal	<i>Ficus religiosa</i> Linn.	Moraceae
121	Pipli	<i>Ficus infectoria</i> Roxb.	Moraceae
122	Putranjiva	<i>Putranjiva roxburghii</i> Wall.	Euphorbiaceae
123	Rai avla	<i>Cicca acida</i> Linn.	Euphorbiaceae
124	Rain Tree	<i>Samania saman</i> (Jacq.) Merrill	Mimosaceae
125	Ramphal	<i>Annona reticulata</i> Linn.	Annonaceae
126	Ranchicku	<i>Manilkara zapota</i> (L.) P.Royen	Sapotaceae
127	Ritha	<i>Sapindus emarginatus</i> Vahl.	Sapindaceae
128	Rudraksha	<i>Guazuma ulmifolia</i> Lam.	Sterculiaceae
129	Sag	<i>Tectona grandis</i> Linn. f.	Verbenaceae
130	Saptparni	<i>Alstonia scholaris</i> (Linn.) R.Br.	Apocynaceae
131	Sausage Tree	<i>Kigelia africana</i> (Lam.) Benth.	Bignoniaceae
132	Savar	<i>Ceiba pentandra</i> (DC.) HK.f.	Bombacaceae
133	Scarlet Cordia	<i>Cordia sebestena</i> L.	Boraginaceae
134	Shankasur	<i>Caesalpinia pulcherima</i> (Linn.) Sw.	Caesalpinaceae

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135	Shemat	<i>Lannea coromandelica</i> (Houtt.) Merrill	Anacardiaceae
136	Shendri	<i>Bixa orellana</i> Linn.	Bixaceae
137	Shevga	<i>Moringa pterigosperma</i> Gaertn.	Moringaceae
138	Shindi	<i>Phoenix sylvestris</i> (Linn.) Roxb.	Arecaceae
139	Shirish	<i>Albizia lebeck</i> (Linn.) Willd.	Mimosaceae
140	Shivan	<i>Gmelina arborea</i> Roxb.	Verbenaceae
141	Silver Oak	<i>Grevillea robusta</i> A. Cunn.	Proteaceae
142	Singapur Cherry	<i>Muntingia calabura</i> Linn.	Elaeocarpaceae
143	Sisam	<i>Dalbergia sissoo</i> Roxb. ex. DC.	Fabaceae
144	Sisvi	<i>Dalbergia latifolia</i> Roxb.	Fabaceae
145	Sitaphal	<i>Annona squamosa</i> Linn.	Annonaceae
146	Sonchapha	<i>Michellia champaca</i> Linn.	Magnoliaceae
147	Sonmohar	<i>Peltophorum pterocarpum</i> (DC.) Bk.ex Hyn.	Caesalpiniaceae
148	Subabhul	<i>Leucaena leucocephala</i> (Lamk.) De Wit	Mimosaceae
149	Supari	<i>Areca catechu</i> Linn.	Arecaceae
150	Surangi	<i>Mammea longifolia</i> (Wt. ex Graham) Planch & Triana	Clusiaceae
151	Suru	<i>Casuarina equisetifolia</i> J. R. & G. Forst	Casuarinaceae
152	T. Pentaphylla	<i>Tabebuia pentaphylla</i> (Linn.) Hemsl.	Bignoniaceae
153	Tamalpatra	<i>Cinnamomum tamala</i> Nees & Eberm.	Lauraceae
154	Taman	<i>Lagerstroemia speciosa</i> (Linn.) Pers	Lythraceae
155	Tendu	<i>Diospyros melanoxylon</i> Roxb.	Ebenaceae
156	Tetu	<i>Oroxylum indicum</i> (L.) Kurz	Bignoniaceae
157	Toothed Leaf Chilla	<i>Casearia tomentosa</i> Roxb.	
158	Tuti	<i>Morus alba</i> Linn.	Moraceae
159	Umber	<i>Ficus racemosa</i> Linn.	Moraceae
160	Unidentified	Unidentified	
161	Vad	<i>Ficus benghalensis</i> Linn.	Moraceae
162	Varas	<i>Heterophragma quadriloculare</i> (Roxb.) K.Schum.	Bignoniaceae
163	Vavla	<i>Holoptela integrifolia</i> (Roxb.) Planch	Urticaceae
164	Vilayati Babhul	<i>Acacia mangium</i> Willd.	Mimosaceae
165	Vilayati Chinch	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Mimosaceae
166	Wendlandia	<i>Lafoensia vandelliana</i> Cham. & Schlecht.	Lythraceae

General Information trees species

Sn	Common Name	Aesthetic	Ecological	Economic
1	Ain	--	Deciduous	Timber yielding & Medicinal plant
2	Akashneem	Cultivated in garden	Semi evergreen	Volatile oil, paper industry
3	All Spice tree	Cultivated in garden	Evergreen	Used as spice
4	Alu	--	--	Evergreen
5	Amba	Cultivated plant	Leaves used in religious function	Evergreen
6	Ambada	--	--	Deciduous
7	Anjir	Cultivated in orchard	Fruits edible	Evergreen
8	Apta	Cultivated in garden	Leaves used in Hindu Festival	Evergreen
9	Arjun	--	--	Deciduous
10	Asana	--	--	Deciduous
11	Ashok	Garden plant	--	Evergreen
12	Asupalav (D)	Avenue	--	Evergreen
13	Asupalav (S)	Avenue	--	Evergreen
14	Atrun	--	--	Deciduous
15	Australian Babhul	Avenue	--	Evergreen phyllode
16	Avla	Cultivated in garden	Fruits are pickled	Deciduous
17	Babhul	--	Used for fencing	Semi arid & arid region tree
18	Bahava	Cultivated in garden	--	Deciduous
19	Bakneem	Cultivated in garden	--	Evergreen
20	Bakul	Cultivated in garden	Toothpaste	Evergreen
21	Beheda	--	--	Deciduous

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22	Bel	--	Leaves offered to lord Shiva	Deciduous
23	Bhend	Garden & avenue	Fruits as a floats for fish nets	Evergreen
24	Bherli Mad	Cultivated in garden	--	Evergreen palm
25	Bhokar	--	Fruits are pickled	Evergreen
26	Bhorsal	--	Deciduous	Medicinal plant
27	Bitti	Cultivated in garden	--	Evergreen
28	Bivla	--	--	Evergreen
29	Bondara	--	--	Deciduous
30	Bor	Cultivated in garden	--	Evergreen
31	Bottle Brush	Garden & avenue	--	Evergreen
32	Bottle Palm	Garden & avenue	--	Evergreen
33	Burali Vad	Garden & avenue	Deciduous	Garden & avenue
34	Chanda	Garden & avenue	--	Deciduous
35	Chandan	Garden & avenue	--	Evergreen
36	Chapha	Cultivated in garden	Planted near temple	Deciduous
37	Charcoal Tree	--	--	Evergreen
38	Chenduphul	Garden & avenue	Evergreen	Ornamental
39	Chiku	--	--	Evergreen
40	Chinch	Garden & avenue	Fruits used for curing	Evergreen
41	Christmas Tree	Cultivated in garden	Religious	Evergreen
42	Coffee	Cultivated in garden	Evergreen	Ornamental
43	Dalchini	Cultivated in garden	Evergreen	Bark used in flavoring eatables
44	Dalimb	Garden plant	--	Evergreen
45	Dandus	--	Deciduous	Timber yielding tree
46	Datrang	--	Evergreen	Leaves as cattle fodder
47	Deshibadam	Garden & avenue	--	Deciduous
48	Devil's Claw	Cultivated in gardens	Evergreen	Source of palm oil
49	Dhaman	--	--	Evergreen
50	Diospyros sp.			
51	Euphorbia umbellata			
52	F. Benjamina	Gardens & avenue	--	Evergreen
53	F. Benjamina Var. Nuda	Cultivated in garden	Evergreen	Ornamental

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54	F. Microcarpa	Cultivated in garden	Evergreen	Ornamental
55	F. Tsiela	Gardens & avenue	--	Evergreen
56	Falconeria insignis			
57	Fan palm	Garden	--	Evergreen
58	Ficus sp.			
59	Foxtail palm			
60	Gela	Forest plant	Deciduous	Ornamental
61	Giripushpa	Cultivated in garden	Introduced for greenery	Deciduous
62	Gulmohar	Gardens & avenue	--	Deciduous
63	Haldu	Gardens & avenue	--	Deciduous
64	Hanumanphal			
65	Hirda	Gardens & avenue	Deciduous	Medicinal plant
66	Humb	Forest plant	Deciduous	--
67	Id Limbu	Cultivated in garden	--	Evergreen
68	Indian Rubber Tree	Garden plant	--	Evergreen
69	Jamb	Cultivated in garden	--	Evergreen
70	Jambha	Cultivated in garden	Deciduous	--
71	Jambhul	Garden plant	Edible fruits	Evergreen
72	Kadamb	Garden & avenue	--	Evergreen
73	Kadipatta	Cultivated in garden	Leaves used as condiment, spice	Evergreen
74	Kaduneem	Avenue	Considered to be air purifying tree	Semievergreen
75	Kailashpati	Cultivated in garden	Religious tree	Deciduous
76	Kaju	--	Alcoholic beverage from thalamus	Semideciduous
77	Kakad	Garden & avenue	Fruits souring agent	Deciduous
78	Kala Kuda	Cultivated in garden	Evergreen	Timber yielding, seeds medicinal
79	Kalamb	Garden & avenue	--	Evergreen
80	Kanchan	Garden & avenue	--	Evergreen
81	Karanj	Avenue	--	Deciduous
82	Karmal	Cultivated in garden	Evergreen	Raw fruits pickled, Ripe one eaten as desert
83	Kashid	Garden & avenue	--	Evergreen

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84	Katesavar	--	Silky cotton from seeds	Deciduous
85	Khair	--	--	Tree of arid & semi arid, Deciduous
86	Khaya	Garden plant	--	Evergreen
87	Khejdi	--	--	Evergreen
88	Khirni	Garden & avenue	--	Evergreen
89	Kinai	Garden & avenue	--	Deciduous
90	Kokam	Garden & avenue	Dry fruit used as condiment	Evergreen
91	Kuda	Cultivated in garden	--	Evergreen
92	Kumkum	Cultivated in garden	Semideciduous	Seed used for obtaining dye
93	Kusum			
94	Lanceleaf buttonwood			
95	Lettuce Tree	Cultivated in garden	Evergreen	Ornamental plant
96	Libi Divi	Cultivated in garden	Evergreen	Ornamental plant
97	Limbu	Cultivated in garden	Fruits are pickled	Evergreen
98	Madagascar almond			
99	Madhuca Longifolia	Garden	Deciduous	Timber yielding
100	Mahaneem	Avenue	Deciduous	Wood used for various purposes
101	Maharukh	Avenue	Deciduous	Wood used for various purposes
102	Mahogani	Cultivated in garden	--	Evergreen
103	Mayurpankhi	Cultivated in garden	--	Evergreen
104	Mogli Erand	Cultivated in garden	--	Deciduous
105	Moha	Garden	Liquor from flowers	Deciduous
106	Nana	Cultivated in garden	Evergreen	--
107	Nandruk			
108	Naral	Avenue	Kalpavruksha	Evergreen palm
109	Nilgiri	Gardens & avenue	--	Evergreen
110	Nilmohar	Gardens & avenue	--	Deciduous
111	Palas	--	Religious tree for Hindus	Deciduous
112	Pandhara khair	Cultivated in garden	--	Deciduous
113	Pangara	Beautiful flowers, avenue	--	Deciduous

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114	Papanas	Cultivated in garden	Evergreen	Edible fruits
115	Parijatak	Cultivated in garden	Planted near temples	Semi evergreen
116	Payar	Forest plant	Deciduous	Ornamental plant
117	Peru	Cultivated in garden	--	Evergreen
118	Phanas	Cultivated in courtyard	Important fruit in coastal areas	Evergreen
119	Pichkari	Cultivated in garden	--	Semi deciduous
120	Pimpal	Avenue	Religious tree in Hindus	Deciduous
121	Pipli	--	--	Evergreen
122	Putranjiva	Garden & avenue	Seeds used as beads	Evergreen
123	Rai avla	Cultivated in garden	--	Deciduous
124	Rain Tree	Garden & avenue	--	Evergreen
125	Ramphal	Cultivated in garden	Edible fruits	Small evergreen tree
126	Ranchicku	--	Evergreen	Timber yielding plant
127	Ritha	--	Fruits are used in washing silver ornaments	Evergreen
128	Rudraksha	Garden & avenue	Evergreen	Fruits are beaded & worn by Saints & Sanyasis
129	Sag	Social forestry plant	--	Deciduous
130	Saptarni	Garden & avenue	--	Evergreen
131	Sausage Tree	Garden & avenue	Evergreen	Ornamental
132	Savar	Garden & avenue	--	Deciduous
133	Scarlet Cordia	Cultivated in garden	Evergreen	Ornamental
134	Shankasur	Cultivated in garden	--	Evergreen
135	Shemat	--	Fruits edible	Deciduous
136	Shendri	Cultivated in garden	--	Evergreen
137	Shevga	Cultivated in wadi	Flowers,leaves,pods edible	Evergreen
138	Shindi	Garden & avenue	Evergreen	Toddy from plant sap
139	Shirish	Avenue	--	Deciduous
140	Shivan	Cultivated in garden	--	Semi deciduous
141	Silver Oak	Garden & avenue	--	Evergreen
142	Singapur Cherry	--	--	Evergreen
143	Sisam	Avenue	For excellent carving works	Deciduous
144	Sisvi	Garden & avenue	Fine grade furniture	Deciduous
145	Sitaphal	Cultivated in courtyard	--	Evergreen

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146	Sonchapha	Cultivated in garden	Flowers scented	Evergreen
147	Sonmohar	Garden & avenue	--	Evergreen
148	Subabhul	--	Social forestry	Evergreen
149	Supari	Ornamental, avenue	Religious use of flowers & fruits	Evergreen palm
150	Surangi	Garden & avenue	Evergreen	Ornamental
151	Suru	Gardens and sea coast	--	Sand-binder, checks erosion
152	T. Pentaphylla	Cultivated in garden	--	Deciduous
153	Tamalpatra	Cultivated in garden	Leaves used in flavouring eatable	Evergreen
154	Taman	Garden & avenue	State tree of Maharashtra	Deciduous
155	Tendu	Cultivated in garden	Evergreen	Used in bidi industry
156	Tetu	Cultivated in garden	Ornamental plant	Medicinal
157	Toothed Leaf Chilla			
158	Tuti	Cultivated in garden	Evergreen	Fruits edible
159	Umber	Garden plant	Evergreen	Medicinal plant
160	Unidentified			
161	Vad	Garden & avenue	Evergreen	Latex,bark,leaves medicinal
162	Varas	Garden & avenue	Deciduous	Timber yielding plant
163	Vavla	Garden & avenue	Deciduous	Timber yielding plant
164	Vilayati Babhul	Potential avenue	Large phyllode	For energy plantation
165	Vilayati Chinch	Garden & avenue	Evergreen	Fruits edible, hedge plant
166	Wendlandia			

Importance wise bifurcation of all trees

Fruiting Tree		
Sn	Common Name	Count
1)	Amba	2588
2)	Avla	47
3)	Bakul	14
4)	Bel	4
5)	Bhokar	0
6)	Bor	90
7)	Chiku	18
8)	Chinch	85
9)	Dalimb	18
10)	Deshibadam	2
11)	Id Limbu	68
12)	Jamb	25
13)	Jambhul	485

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Fruiting Tree		
Sn	Common Name	Count
14)	Kaju	256
15)	Kokam	11
16)	Limbu	68
17)	Moha	10
18)	Naral	527
19)	Peru	25
20)	Phanas	256
21)	Rai avla	47
22)	Ramphal	129
23)	Ranchicku	18
24)	Shevga	190
25)	Sitaphal	6
26)	Supari	64
27)	Tendu	2
28)	Umber	793
29)	Vilayati Chinch	137

Medicinal Trees		
Sn	Common Name	Count
1	Akashneem	421
2	All Spice tree	0
3	Apta	9
4	Arjun	2
5	Asana	2
6	Ashok	187
8	Babhul	3381
9	Bakneem	4

Table : Importance wise bifurcation of all trees		
Sn	Common Name	Count
1.	Asupalav (S)	2
2.	Australian Babhul	640
3.	Bahava	2
4.	Bhend	105
5.	Bitti	9
6.	Bottle Brush	267
7.	Bottle Palm	257
8.	Burali Vad	1
9.	Dandus	156
10.	Datrang	12
11.	Dhaman	245
12.	Gulmohar	1169
13.	Humb	67
14.	Kadamb	1918
15.	Kailashpati	11
16.	Kakad	12
17.	Kala Kuda	67
18.	Kalamb	1918
19.	Kanchan	792

Table : Importance wise bifurcation of all trees		
Sn	Common Name	Count
A.	Karanj	234
C.	Karmal	134
E.	Kashid	245
G.	Katesavar	14
I.	Khair	31
K.	Khaya	121
M.	Khejdi	0
O.	Khirni	22

Ornamental Trees		
Sn	Common Name	Count
B.	Toothed Leaf Chilla	0
D.	Tuti	11
F.	Unidentified	2999
H.	Vad	108
J.	Varas	143
L.	Vavla	0
N.	Vilayati Babhul	11
P.	Wendlandia	137

Glimpse of Tress species





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Long 73.526796°
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Testimonial of tree census study

Sr. no.	Detailed of particulars	Total obtained result
A.	Area of Trimbak Municipal Council	13.63 Sq. Km
B.	Number of wards in Trimbak Municipal Council	08
C.	Number of trees species counted in Jurisdiction of Trimbak Municipal Council	28,664
D.	Fruiting Trees	7560
E.	Medicinal Trees	6443
F.	Ornamental Trees	14661

Project area of tree census work



<https://earth.google.com/web/search/Trimbak,+Maharashtra/@19.9345183,73.52317225,760.6650126a,8732.43238568d,35y,128.34446622h,0t,0r,data=CigJgokCXQAST1BBjRAEYXk09LZ3TNAGdH24aGZZVJAIZul3ZG5XVJA0g...> 1/1

