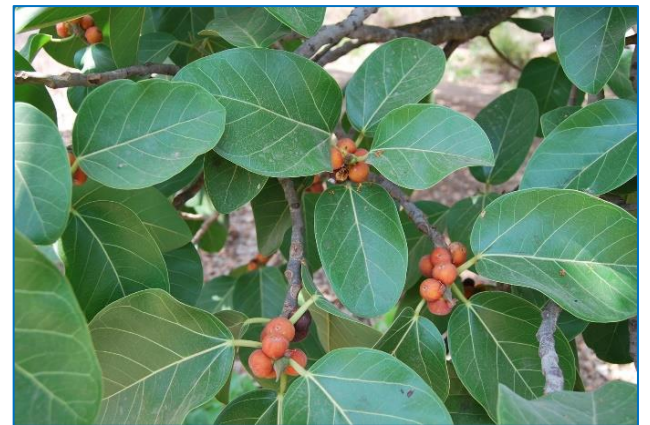
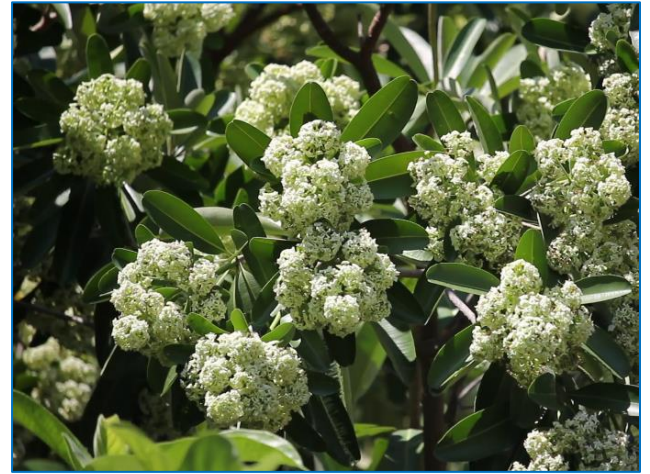


# *GPS based Tree Census Report of Trimbak Municipal Council*

*2021-22*



**SHREE KRISHNA ENTERPRISES**

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## INTRODUCTION

### ***What Is Tree Census***

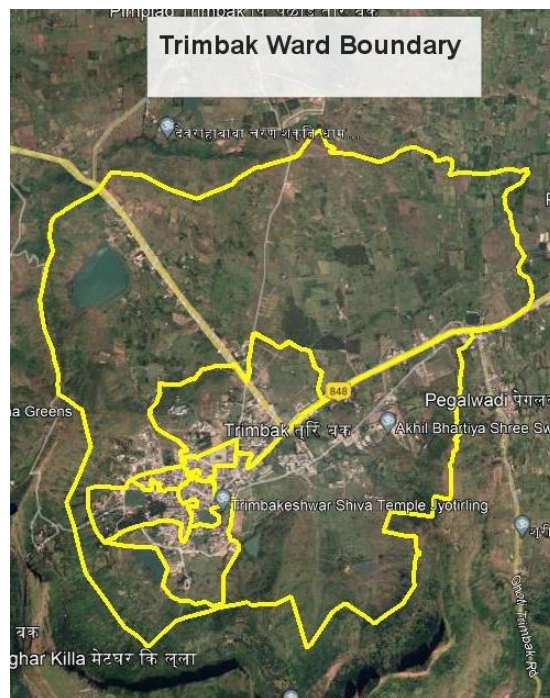
As per 1975-7(b) Urban Tree Protection and Conservation Act, a tree is defined as a plant having woody stem or trunk (excluding mangroves) with minimum girth of 10 cm and height of 3 meter above the ground level. Inventorization of all trees in a specific project area and creation of database that includes specific characters of those trees is called Tree Census. In order to protect existing trees, the act places the responsibility on tree authority of Municipal Councils for carrying out a census of the existing trees in all lands within the jurisdiction, once before 1996 and thereafter once in every five years.

### ***Importance of tree census***

This tree census will help Trimbak Municipal Council to achieve long term management objectives and take decisions efficiently for further plantation or removal of trees in particular areas. Tree census will provide information about the budget that was spent and that will be needed in the future to sustain a healthy tree population. Census data will be used to determine number and size of manpower needed to perform the given task. Tree census data will be useful in identifying species composition, tree size distribution, tree condition and maintenance needs. This data will be useful in planning strategies.

### ***Project Location***

Trimbak (also known as Trimbakeshwar) is a city and a municipal council in Nashik District in the Indian state of Maharashtra. Trimbak Municipal Council has taken an initiative to start the GPS based Tree census project that will provide the status and details of the existing trees of the area as well as help in future environmental planning.



## METHODOLOGY

Tree census is done by using advanced GPS/GIS technology. It involved following steps: -

- Tree census is carried out in a systematic manner by dividing total area into various sections, according to ward boundaries.
- For each tree, primary data i.e., local name, longitude, latitude, height, girth, age, canopy diameter, ownership, condition of tree, scope of plantation and location is recorded with a GPS instrument by a field officer. GPS device also automatically takes survey date and time of each surveyed tree.
- During compilation of data an extensive literature survey is done and secondary information like botanical name, family, economic, and ecological significance of each tree is given.

Table 1 : Details noted for each tree

SN	CATEGORY	DETAILS
1	Location	Ward number / Ward name Landmark Latitude and longitude
2	Name and other information	Botanical Name Family Common Name Economic and ecological significance
3	Ownership	Government Premises Park Private Roadside Others
4	Physical Parameters	Height Girth Age Canopy Diameter
5	Survey Details	Time Date

## **EXECUTIVE 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 **41,883** trees. Total of 166 species of trees belonging to 51 families were reported from study area. For each tree attributes like, local name, Girth, Height (approx.), Age (approx.), Canopy, Health condition & GPS coordinates were recorded in field. Summary of the result is given below:

## OBSERVATIONS

**Table 2: Ward 1: Ownership wise distribution of trees**

Sn	Tree Name	Government	Industry	Private	Roadside	Grand Total
1	Ain			601		601
2	Akashneem			4	1	5
3	Alu			4		4
4	Amba		1	1689	37	1727
5	Apta			62		62
6	Arjun			10		10
7	Asana			49		49
8	Asupalav (D)			15	2	17
9	Atrun			50		50
10	Australian Babhul			382		382
11	Avla			293	2	295
12	Babhul			3962	8	3970
13	Bahava			20		20
14	Bakneem			15		15
15	Bakul			18	4	22
16	Beheda			12		12
17	Bel			7		7
18	Bhend			319		319
19	Bhokar			18		18
20	Bhorsal			3		3
21	Bitti			19	220	239
22	Bor			222	3	225
23	Bottle Brush			23		23
24	Bottle Palm			68		68
25	Burali Vad			1		1
26	Chanda			10		10
27	Chapha			68	1	69
28	Charcoal Tree			204	1	205
29	Chenduphul			1		1
30	Chiku			26		26
31	Chinch			27		27
32	Christmas Tree			9		9
33	Dalimb			3		3
34	Dandus			81		81
35	Deshibadam			50	3	53
36	Dhaman			723	1	724
37	F. Benjamina			29		29
38	F. Benjamina Var. Nuda			2		2
39	F. Microcarpa			1		1
40	F. Tsiela			8		8
41	Fan palm			2		2
42	Foxtail palm			49		49



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Sn	Tree Name	Government	Industry	Private	Roadside	Grand Total
43	Giripushpa	2		165		167
44	Gulmohar			61		61
45	Haldu			1		1
46	Indian Rubber Tree			1		1
47	Jamb			2		2
48	Jambhul			206	3	209
49	Kadamb			125	22	147
50	Kaduneem			23	1	24
51	Kaju			207		207
52	Kala Kuda			1		1
53	Kalamb			2	1	3
54	Kanchan			18	3	21
55	Karanj			4921		4921
56	Kashid			42	3	45
57	Katesavar	1		570		571
58	Khair			395		395
59	Khejdi			125	4	129
60	Kokam			1		1
61	Kuda			2		2
62	Kusum				4	4
63	Lettuce Tree			1		1
64	Limbu			11	1	12
65	Madhuca Longifolia			32		32
66	Maharukh			1		1
67	Mahogani			13		13
68	Mayurpankhi			9		9
69	Mogli Erand			119		119
70	Moha			1		1
71	Nana			1		1
72	Naral			200		200
73	Nilgiri	24		872	2	898
74	Nilmohar			24		24
75	Palas			6		6
76	Pandhara khair			134		134
77	Pangara			628	1	629
78	Parijatak			4		4
79	Payar			2		2
80	Peru			167		167
81	Phanas			16		16
82	Pichkari	1		19	7	27
83	Pimpal			41	20	61
84	Rai avla			2		2
85	Rain Tree			15		15
86	Ramphal			13		13
87	Ranchicku			11		11

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<b>Sn</b>	<b>Tree Name</b>	<b>Government</b>	<b>Industry</b>	<b>Private</b>	<b>Roadside</b>	<b>Grand Total</b>
88	Ritha			5	2	7
89	Rudraksha			4		4
90	Sag			290		290
91	Saptparni			14		14
92	Sausage Tree			4		4
93	Savar			6		6
94	Scarlet Cordia			2		2
95	Shankasur			34		34
96	Shemat			22		22
97	Shevga			33		33
98	Shindi			1		1
99	Shirish			3		3
100	Shivan			3		3
101	Silver Oak	1		50		51
102	Singapur Cherry			41		41
103	Sisam			45		45
104	Sisvi			22		22
105	Sitaphal			3		3
106	Sonchapha			79		79
107	Sonmohar			60		60
108	Subabhul	1		1001	5	1007
109	Supari			56		56
110	Suru			7		7
111	T. Pentaphylla			6	15	21
112	Tamalpatra				1	1
113	Taman			13	2	15
114	Toothed Leaf Chilla			32		32
115	Tuti			32		32
116	Umber			522	14	536
117	Unidentified			11		11
118	Vad	2	1	32	21	56
119	Varas			458		458
120	Vavla			4		4
121	Vilayati Babhul			142		142
122	Vilayati Chinch			356	7	363
123	Wendlandia			1		1
	<b>Grand Total</b>	<b>32</b>	<b>2</b>	<b>21763</b>	<b>422</b>	<b>22219</b>

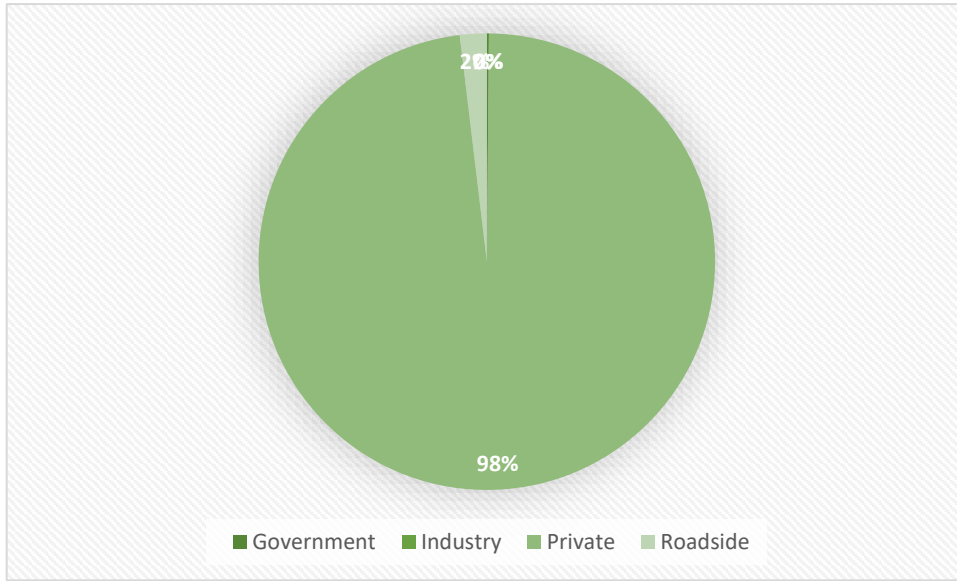


Figure 1: Ward 1: Ownership wise distribution of trees species

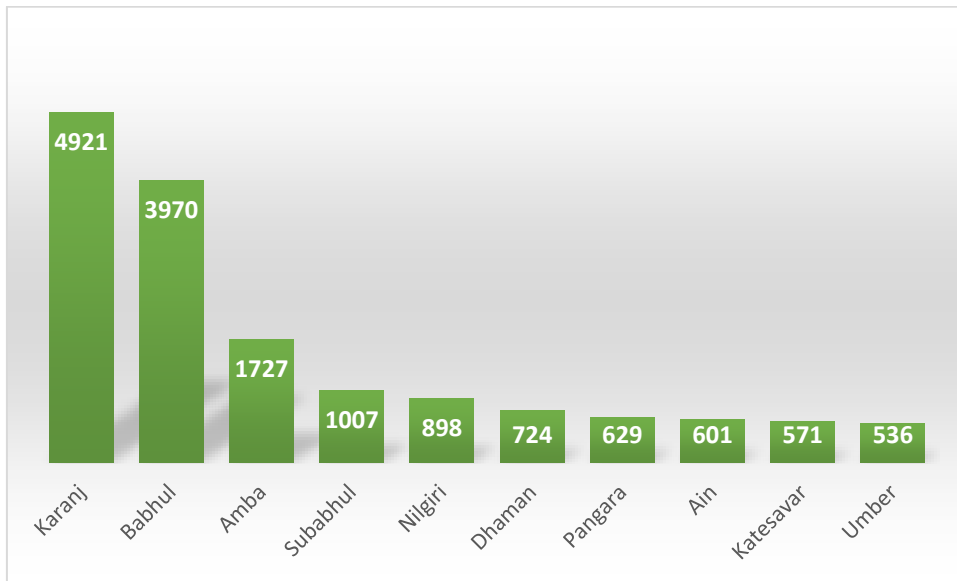


Figure 2 : Ward 1: 10 Dominant trees species

**Table 3: Ward 2: Ownership wise distribution of trees**

Sn	Tree Name	Government	Industry	Private	Roadside	Grand Total
1	Ain			21		21
2	Akashneem	19		12	3	34
3	Amba	19		250		269
4	Apta			5	2	7
5	Arjun			4		4
6	Asana			8		8
7	Asupalav (D)	4		30		34
8	Asupalav (S)	3		5		8
9	Australian Babhul	24		76		100
10	Avla	5		47		52
11	Babhul	3	15	3737	1	3756
12	Bahava	1		3		4
13	Bakneem			6		6
14	Bakul	2		11	1	14
15	Beheda	1		3		4
16	Bel			13		13
17	Bhend	1		66	5	72
18	Bherli Mad			2		2
19	Bhokar	1				1
20	Bitti			75		75
21	Bor	1		61	3	65
22	Bottle Brush			68		68
23	Bottle Palm	5		142		147
24	Burali Vad	2		1	3	6
25	Chanda	1		1		2
26	Chandan			5		5
27	Chapha	2		58		60
28	Charcoal Tree	3		27		30
29	Chenduphul	1				1
30	Chiku			35		35
31	Chinch	4		15	2	21
32	Christmas Tree	2		2		4
33	Dandus			3		3
34	Deshibadam	7		45		52
35	Dhaman	1		21		22
36	F. Benjamina	2		22		24
37	F. Tsiela	1		2		3
38	Foxtail palm	5		9		14
39	Giripushpa			75		75
40	Gulmohar	6		120	1	127
41	Jambhul	12		113	9	134
42	Kadamb	7		308	10	325
43	Kadipatta			2		2
44	Kaduneem			25	1	26

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Sn	Tree Name	Government	Industry	Private	Roadside	Grand Total
45	Kailashpati	1		3		4
46	Kaju			2		2
47	Kalamb			1		1
48	Kanchan	6		5	1	12
49	Karanj	11		196	6	213
50	Karmal			11		11
51	Kashid	8		31	9	48
52	Katesavar	1		48		49
53	Khair	1		7		8
54	Khaya	5				5
55	Khirni			1		1
56	Kokam			2		2
57	Kuda			1		1
58	Lanceleaf buttonwood	2				2
59	Limbu			2		2
60	Madagascar almond			26		26
61	Mahogani			2		2
62	Mayurpankhi			2		2
63	Mogli Erand	1		70		71
64	Moha	4		7		11
65	Nana			1		1
66	Nandrukh	1				1
67	Naral	3		299		302
68	Nilgiri	351		664	10	1025
69	Nilmohar	1		6	1	8
70	Pandhara khair			2		2
71	Pangara			9		9
72	Parijatak			8		8
73	Peru	4		56	1	61
74	Phanas			23		23
75	Pichkari	8		172	2	182
76	Pimpal	9		54	4	67
77	Putranjiva			99		99
78	Rai avla			2		2
79	Rain Tree	1		19	4	24
80	Ramphal	1		7		8
81	Ritha	4		3	7	14
82	Rudraksha			2		2
83	Sag			195		195
84	Saptarni			13		13
85	Sausage Tree			1	2	3
86	Savar	2		1	1	4
87	Shankasur			3		3
88	Shemat			1		1
89	Shevga	1		20		21

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Sn	Tree Name	Government	Industry	Private	Roadside	Grand Total
90	Shivan	2		12		14
91	Silver Oak	4		62		66
92	Singapur Cherry	8		46	1	55
93	Sisam	2		7		9
94	Sisvi	8		8	1	17
95	Sitaphal	2				2
96	Sonchapha	4		32		36
97	Sonmohar	7		45		52
98	Subabhul	215		504	6	725
99	Supari			1		1
100	Surangi			1		1
101	Suru			5		5
102	Tetu	2			1	3
103	Tuti			7	1	8
104	Umber	15		193	3	211
105	Unidentified	1				1
106	Vad	5		19	9	33
107	Varas	3		57	1	61
108	Vavla	1		5		6
109	Vilayati Babhul	1		59		60
110	Vilayati Chinch	5		113	1	119
111	Wendlandia	1		8		9
	<b>Grand Total</b>	<b>857</b>	<b>15</b>	<b>8795</b>	<b>113</b>	<b>9780</b>

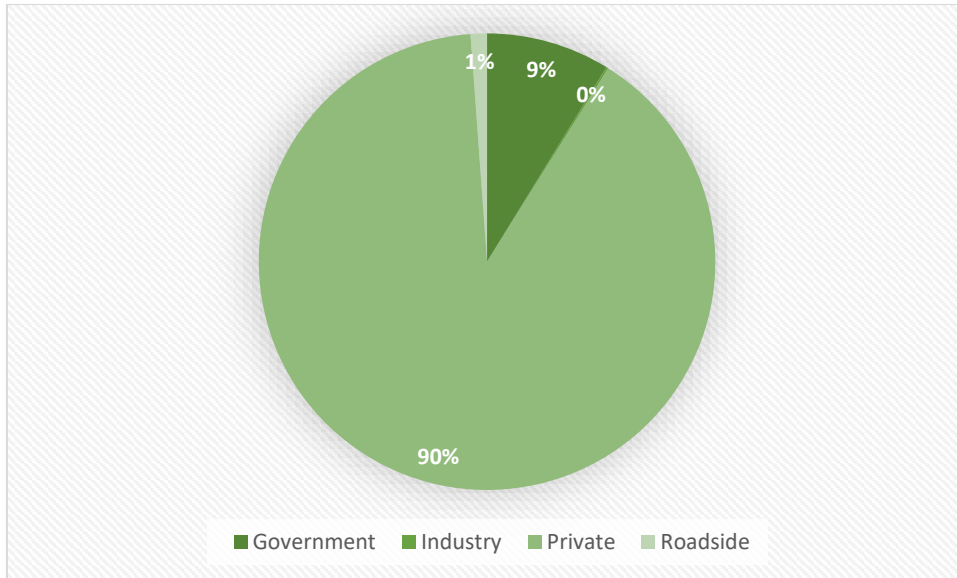


Figure 3 : Ward 2: Ownership wise distribution of trees species

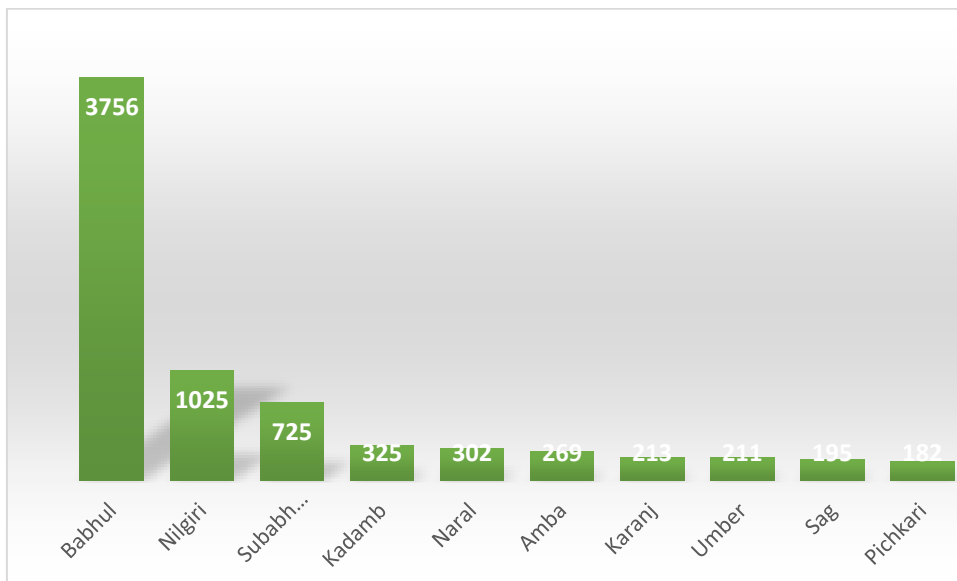


Figure 4 : Ward 2: 10 Dominant trees species

**Table 4 : Ward 3: Ownership wise distribution of trees**

Sn	Tree Name	Government	Private	Roadside	Grand Total
1	Ain		65		65
2	Akashneem		2	1	3
3	Amba	1	128		129
4	Anjir		1		1
5	Apta		1		1
6	Arjun		2		2
7	Asana		100		100
8	Asupalav (D)		17		17
9	Atrun		6		6
10	Australian Babhul		80		80
11	Avla		21		21
12	Babhul		1007		1007
13	Bahava		2		2
14	Bakneem		14		14
15	Bakul		1		1
16	Beheda		9		9
17	Bel		12		12
18	Bhend		54		54
19	Bhokar		1		1
20	Bhorsal		14		14
21	Bitti		3		3
22	Bivla		1		1
23	Bondara		2		2
24	Bor	1	42		43
25	Bottle Brush	1	29		30
26	Bottle Palm		33		33
27	Burali Vad		1		1
28	Chanda		9		9
29	Chapha		11		11
30	Charcoal Tree	1	29		30
31	Chiku		1		1
32	Chinch		16		16
33	Dandus		26		26
34	Datrang		57		57
35	Deshibadam	1	24		25
36	Dhaman		2		2
37	F. Benjamina		6		6
38	F. Tsiela		2		2
39	Falconeria insignis		150		150
40	Ficus sp.		1		1
41	Giripushpa		142		142
42	Gulmohar		49		49
43	Haldu		1		1
44	Hirda		2		2



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Sn	Tree Name	Government	Private	Roadside	Grand Total
45	Jambhul	2	103		105
46	Kadamb	1	39	28	68
47	Kadipatta		1		1
48	Kaduneem		6		6
49	Kaju		1		1
50	Kakad		3		3
51	Kala Kuda		7		7
52	Kalamb		10		10
53	Kanchan		40		40
54	Karanj		461		461
55	Kashid		42	1	43
56	Katesavar		63		63
57	Khair		2		2
58	Khirmi		1		1
59	Kinai		4		4
60	Kuda		2		2
61	Kumkum		3		3
62	Libi Divi		5		5
63	Limbu		5		5
64	Mahaneem		1		1
65	Mahogani		1		1
66	Mogli Erand		101		101
67	Moha		7		7
68	Naral	4	40		44
69	Nilgiri	11	229	15	255
70	Pangara		85		85
71	Peru	1	60		61
72	Phanas	1	6		7
73	Pichkari		8		8
74	Pimpal		30	3	33
75	Pipli		1		1
76	Rai avla		3		3
77	Rain Tree		18		18
78	Ramphal		7		7
79	Rudraksha		2		2
80	Sag		56		56
81	Saptparni		10		10
82	Savar		1		1
83	Shemat		5		5
84	Shevga		9		9
85	Shirish		28		28
86	Shivan		16		16
87	Silver Oak		38		38
88	Singapur Cherry		37		37
89	Sisam		28		28

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Sn	Tree Name	Government	Private	Roadside	Grand Total
90	Sitaphal		2		2
91	Sonchapha	1	16		17
92	Sonmohar		44	1	45
93	Subabhul		228		228
94	Tendu		37		37
95	Toothed Leaf Chilla		7		7
96	Tuti		4		4
97	Umber	6	180		186
98	Vad		18	1	19
99	Varas	1	232		233
100	Vavla		22		22
101	Vilayati Babhul		66		66
102	Vilayati Chinch	2	440		442
103	Wendlandia		235		235
	<b>Grand Total</b>	<b>35</b>	<b>5332</b>	<b>50</b>	<b>5417</b>

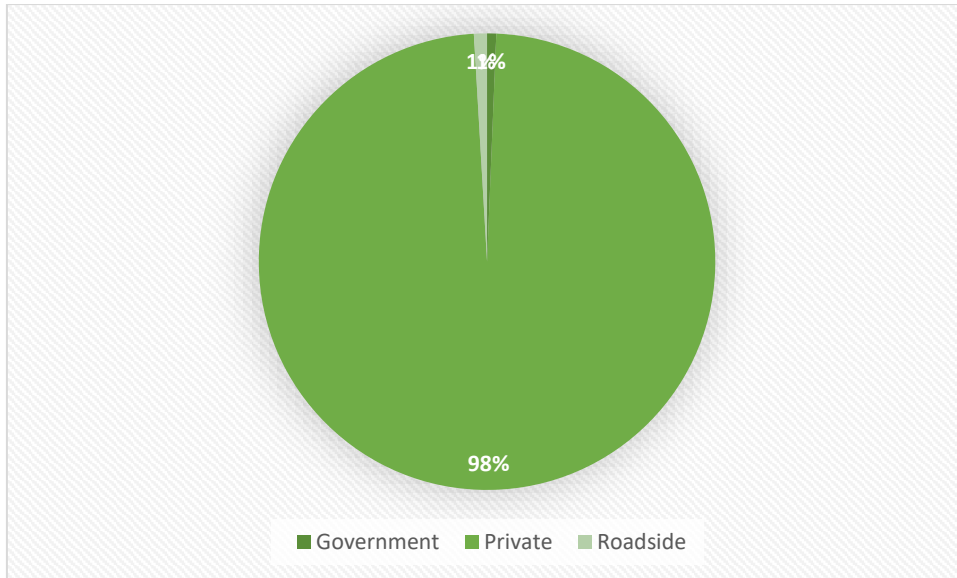


Figure 5 : Ward 3: Ownership wise distribution of trees species

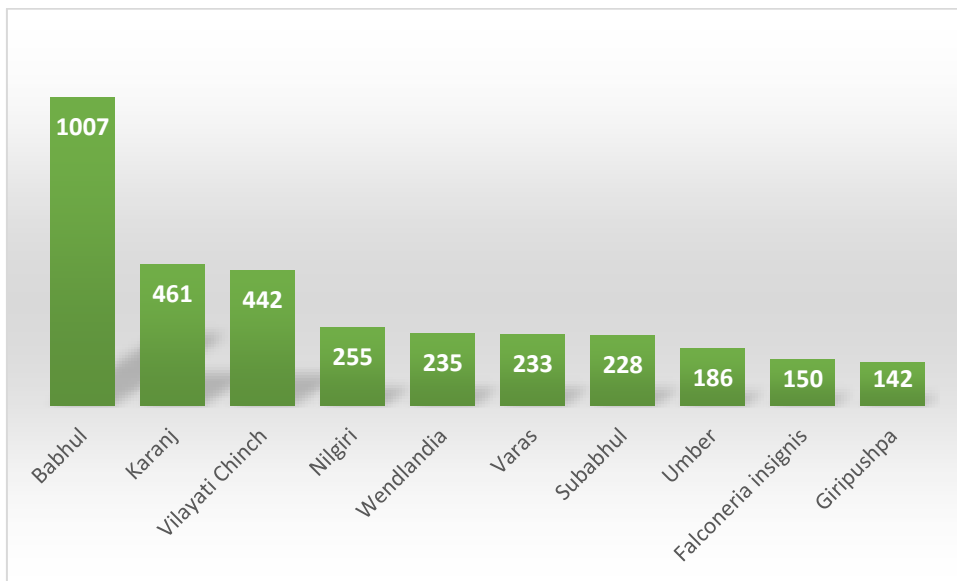


Figure 6 : Ward 3: 10 Dominant trees species

**Table 5: Ward 4: Ownership wise distribution of trees**

Sn	Tree Name	Private	Grand Total
1	Amba	11	11
2	Babhul	1	1
3	Bhend	5	5
4	Bor	2	2
5	Bottle Palm	5	5
6	Chapha	2	2
7	Chinch	1	1
8	Deshibadam	11	11
9	Gulmohar	3	3
10	Jambhul	5	5
11	Kadamb	15	15
12	Kadipatta	2	2
13	Kaduneem	1	1
14	Kanchan	2	2
15	Karanj	2	2
16	Katesavar	1	1
17	Limbu	1	1
18	Naral	1	1
19	Nilgiri	3	3
20	Parijatak	1	1
21	Payar	1	1
22	Peru	13	13
23	Phanas	1	1
24	Pichkari	1	1
25	Pimpal	9	9
26	Rain Tree	2	2
27	Ramphal	4	4
28	Rudraksha	3	3
29	Shevga	1	1
30	Shindi	1	1
31	Singapur Cherry	6	6
32	Sisam	1	1
33	Sitaphal	2	2
34	Sonmohar	4	4
35	Subabhul	1	1
36	Tamalpatra	1	1
37	Tuti	4	4
38	Umber	12	12
39	Vilayati Chinch	1	1
	<b>Grand Total</b>	<b>143</b>	<b>143</b>

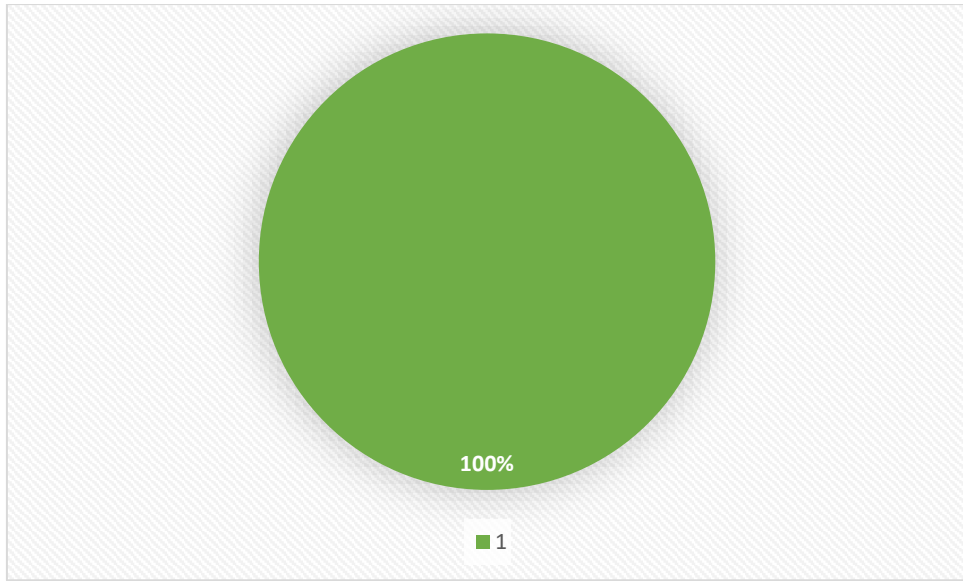


Figure 7 : Ward 4: Ownership wise distribution of trees species

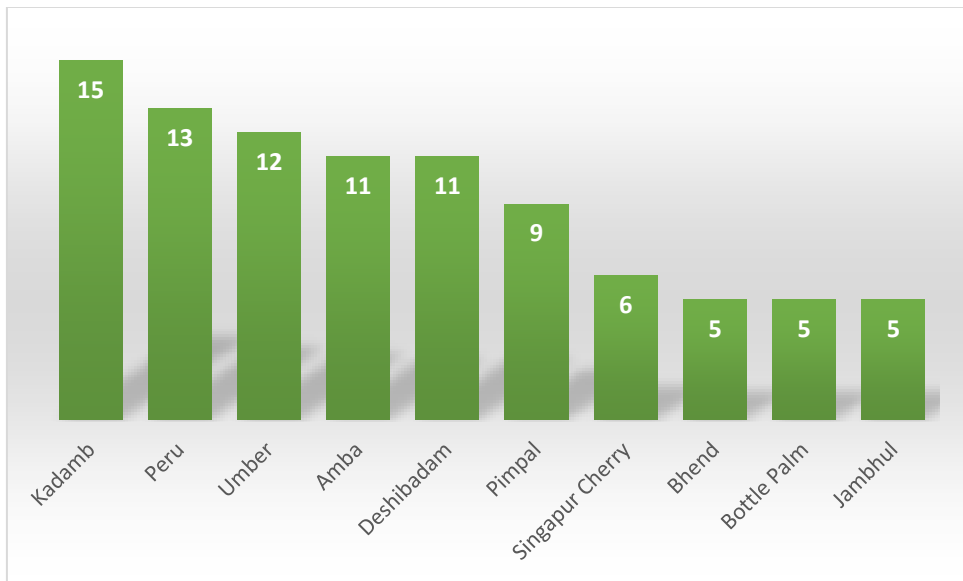


Figure 8 : Ward 4: 10 Dominant trees species

**Table 6 : Ward 5: Ownership wise distribution of trees**

Sn	Tree Name	Private	Roadside	Grand Total
1	Amba	41		41
2	Asupalav (D)	2		2
3	Asupalav (S)	1		1
4	Babhul	1		1
5	Bhend	2		2
6	Chanda	1		1
7	Chapha	4		4
8	Charcoal Tree	5		5
9	Christmas Tree	1		1
10	Deshibadam	3		3
11	Gulmohar	2		2
12	Jambhul	7		7
13	Kadamb	1		1
14	Kaduneem	1	1	2
15	Kailashpati	1		1
16	Karanj	4		4
17	Naral	36		36
18	Nilgiri	8		8
19	Parijatak	3		3
20	Peru	7		7
21	Phanas	2		2
22	Pimpal	4	1	5
23	Ramphal	1		1
24	Sag	1		1
25	Sitaphal	3		3
26	Sonchapha	13		13
27	Subabhul	1		1
28	Supari	1		1
29	Tuti	12		12
30	Umber	13		13
31	Vad		1	1
32	Vilayati Chinch	1		1
	<b>Grand Total</b>	<b>183</b>	<b>3</b>	<b>186</b>

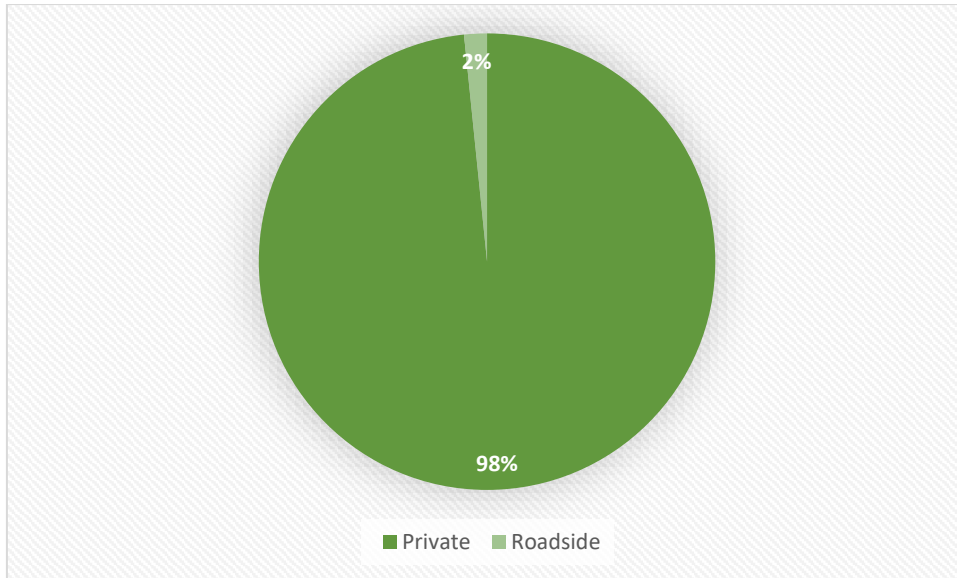


Figure 9 : Ward 5: Ownership wise distribution of trees species

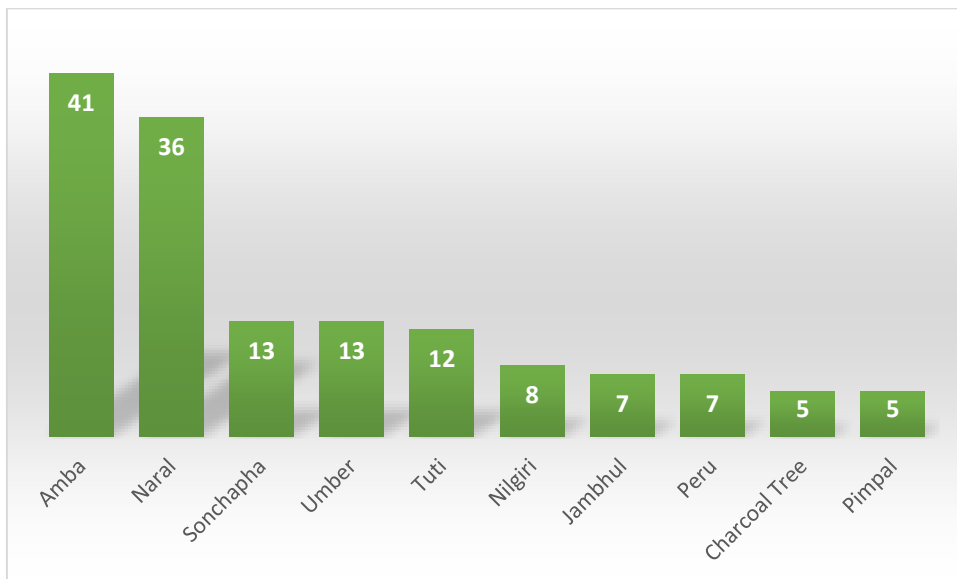


Figure 10 : Ward 5: 10 Dominant trees species

**Table 7 : Ward 6: Ownership wise distribution of trees**

Sn	Tree Name	Government	Park	Private	Roadside	Grand Total
1	Ain			8		8
2	Alu	1		11		12
3	Amba	6	8	230		244
4	Ambada			1		1
5	Apta			1		1
6	Ashok			32		32
7	Asupalav (D)	11		3	9	23
8	Atrun			5		5
9	Australian Babhul			8		8
10	Avla			11		11
11	Babhul			1		1
12	Bahava			10		10
13	Bakneem			6		6
14	Bakul			5		5
15	Bel			3		3
16	Bhend			15		15
17	Bherli Mad			1		1
18	Bhokar	2	1	12		15
19	Bhorsal	3		16		19
20	Bitti			24		24
21	Bondara			8		8
22	Bor	4		9		13
23	Bottle Brush	45		9	2	56
24	Bottle Palm			5		5
25	Burali Vad			5		5
26	Chanda			4		4
27	Chapha			39		39
28	Charcoal Tree	4		33		37
29	Chenduphul	2				2
30	Chiku			1		1
31	Chinch	1		7		8
32	Christmas Tree			2		2
33	Coffee			1		1
34	Dandus			8		8
35	Deshibadam	1		5		6
36	Dhaman	1				1
37	Diospyros sp.			8		8
38	F. Benjamina			5		5
39	F. Tsiela			2		2
40	Falconeria insignis			2		2
41	Foxtail palm			1		1
42	Gela	1				1
43	Giripushpa			2		2
44	Gulmohar	8	2	24	3	37



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Sn	Tree Name	Government	Park	Private	Roadside	Grand Total
45	Hanumanphal			2		2
46	Hirda			1		1
47	Humb			2		2
48	Jamb			59		59
49	Jambha			1		1
50	Jambhul	16		145		161
51	Kadamb			8	3	11
52	Kaduneem			1		1
53	Kaju	55		2		57
54	Kala Kuda			5		5
55	Kanchan			11		11
56	Karanj	52		86		138
57	Karmal	1				1
58	Kashid	22		3		25
59	Katesavar	8		46		54
60	Khair	1				1
61	Kokam			30		30
62	Kuda			5		5
63	Kumkum			3		3
64	Limbu			40		40
65	Mogli Erand	1		56		57
66	Moha	2	1	10		13
67	Nana	13		2		15
68	Nandruk			2		2
69	Naral			16		16
70	Nilgiri	126		52	7	185
71	Nilmohar	6		1		7
72	Pangara	12		57		69
73	Papanas			18		18
74	Parijatak			4		4
75	Peru			60		60
76	Phanas			14		14
77	Pichkari			1		1
78	Pimpal	2		20		22
79	Rai avla			2		2
80	Rain Tree			6		6
81	Ramphal			33	2	35
82	Ritha			62		62
83	Rudraksha			2		2
84	Sag			18		18
85	Saptparni	2				2
86	Savar			12		12
87	Shemat			3		3
88	Shevga			4		4
89	Shindi			3		3

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<b>Sn</b>	<b>Tree Name</b>	<b>Government</b>	<b>Park</b>	<b>Private</b>	<b>Roadside</b>	<b>Grand Total</b>
90	Shirish	10		1		11
91	Shivan			2		2
92	Silver Oak			6		6
93	Sisvi			24		24
94	Sonchapha		1	34		35
95	Sonmohar	2		4		6
96	Subabhul	2		51		53
97	Supari			18		18
98	Tendu			7		7
99	Tetu			17		17
100	Toothed Leaf Chilla			17		17
101	Tuti			10		10
102	Umber	8	1	66	1	76
103	Unidentified			2		2
104	Vad	1		7		8
105	Varas			10		10
106	Vavla			7		7
107	Vilayati Babhul	85		1		86
108	Vilayati Chinch			15		15
	<b>Grand Total</b>	<b>517</b>	<b>14</b>	<b>1790</b>	<b>27</b>	<b>2348</b>

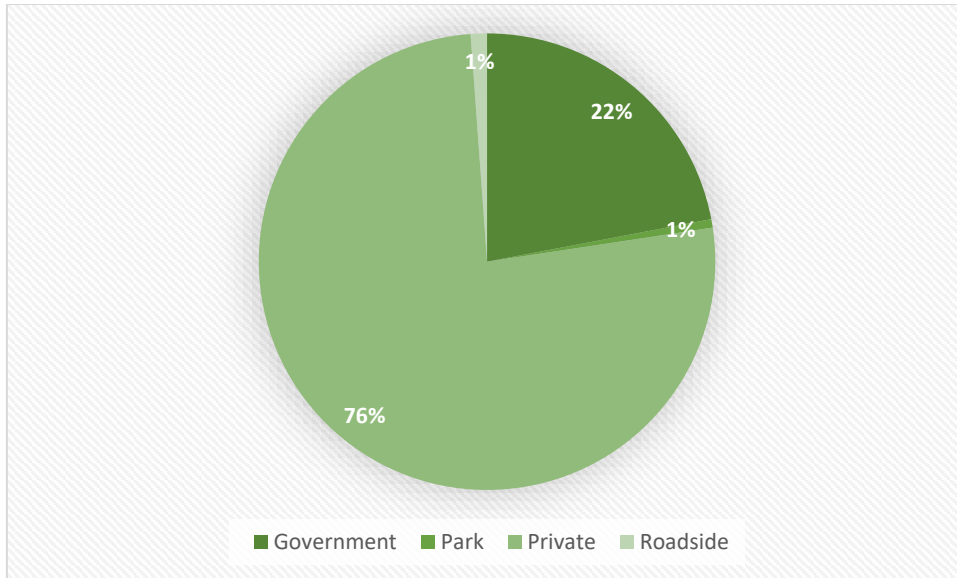


Figure 11 : Ward 6: Ownership wise distribution of trees species

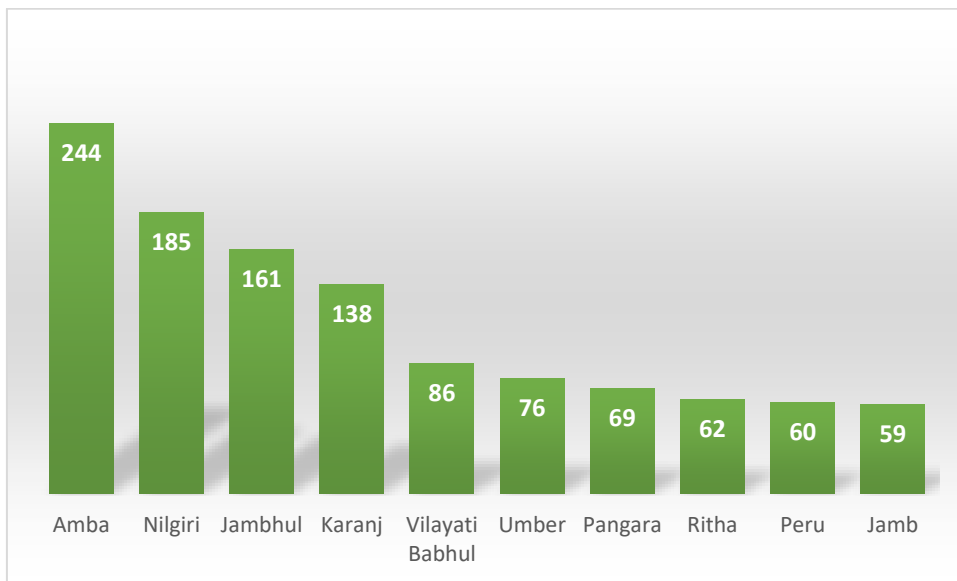


Figure 12 : Ward 6: 10 Dominant trees species

**Table 8 : Ward 7: Ownership wise distribution of trees**

Sn	Tree Name	Private	Roadside	Grand Total
1	Akashneem	3		3
2	Amba	22		22
3	Babhul	1		1
4	Bakul	6		6
5	Bel	1		1
6	Bhend	1		1
7	Bhokar	1		1
8	Bitti	15		15
9	Bottle Brush	1		1
10	Chapha	3		3
11	Chinch	3		3
12	Foxtail palm	4		4
13	Gulmohar	3		3
14	Id Limbu	2		2
15	Jambhul	6		6
16	Kadamb	8		8
17	Kaduneem	3		3
18	Limbu	1		1
19	Naral	3		3
20	Nilgiri	1		1
21	Parijatak	7	1	8
22	Peru	5		5
23	Phanas	1		1
24	Pimpal	11		11
25	Ramphal	1		1
26	Rudraksha	1		1
27	Shevga	1		1
28	Sonchapha	20		20
29	Supari	1		1
30	Umber	16		16
31	Vad	1		1
32	Vilayati Chinch	2		2
	<b>Grand Total</b>	<b>155</b>	<b>1</b>	<b>156</b>

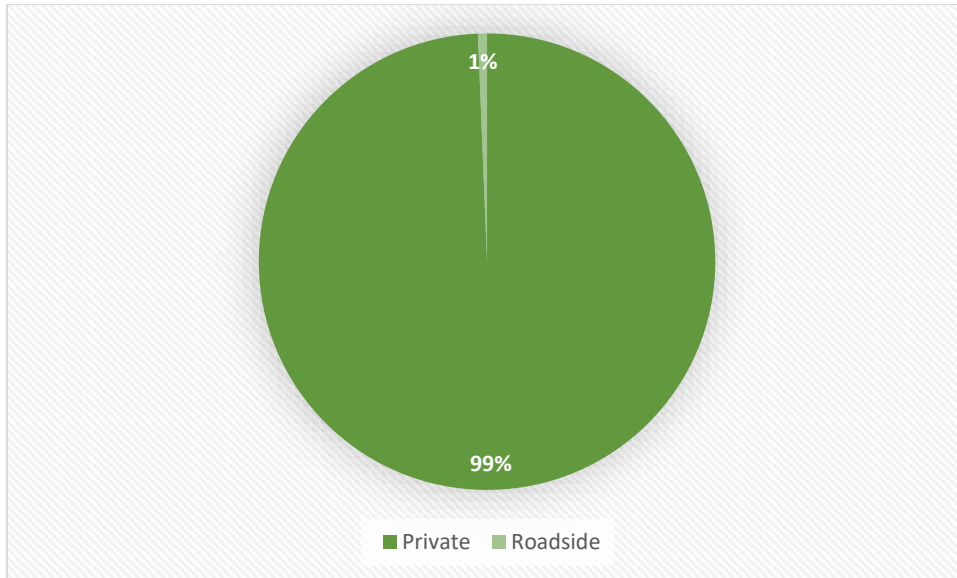


Figure 13 : Ward 7: Ownership wise distribution of trees species

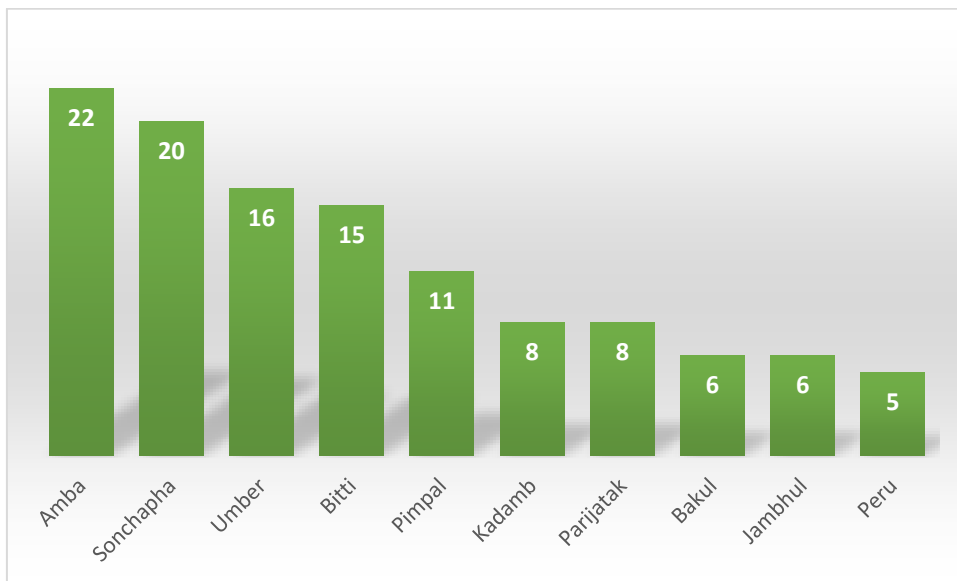


Figure 14 : Ward 7: 10 Dominant trees species

**Table 9 : Ward 8: Ownership wise distribution of trees**

Sn	Tree Name	Private	Roadside	Grand Total
1	Ain	26		26
2	All Spice tree	1		1
3	Alu	5		5
4	Amba	188	5	193
5	Anjir	1		1
6	Apta	4		4
7	Arjun	2		2
8	Asana	9		9
9	Asupalav (D)	26	2	28
10	Asupalav (S)	3	1	4
11	Atrun	1		1
12	Australian Babhul	3		3
13	Avla	10		10
14	Babhul	22		22
15	Bahava	46		46
16	Bakneem	15		15
17	Bakul	5		5
18	Beheda	2		2
19	Bel	14		14
20	Bhend	9	1	10
21	Bhokar	6		6
22	Bitti	39		39
23	Bor	17		17
24	Bottle Brush	4		4
25	Bottle Palm	2		2
26	Chandan	1		1
27	Chapha	33		33
28	Charcoal Tree	148		148
29	Chiku	4		4
30	Chinch	25	1	26
31	Christmas Tree	8		8
32	Dalchini	3		3
33	Dalimb	3		3
34	Dandus	6		6
35	Deshibadam	8	1	9
36	Devil's Claw	1		1
37	Dhaman	6		6
38	Euphorbia umbellata	7		7
39	F. Benjamina	2		2
40	F. Tsiela	1		1
41	Falconeria insignis	5		5
42	Fan palm	1		1
43	Gulmohar	29	1	30
44	Hirda	2		2

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Sn	Tree Name	Private	Roadside	Grand Total
45	Jambhul	64	3	67
46	Kadamb	20	5	25
47	Kadipatta	12		12
48	Kaduneem	7		7
49	Kailashpati	5		5
50	Kaju	1		1
51	Kalamb	2		2
52	Kanchan	7	1	8
53	Karanj	23		23
54	Kashid	4	3	7
55	Katesavar	32		32
56	Khair		1	1
57	Kuda	1		1
58	Limbu	4		4
59	Madhuca Longifolia	4		4
60	Mayurpankhi	1		1
61	Mogli Erand	22		22
62	Nana	1		1
63	Naral	47	1	48
64	Nilgiri	115		115
65	Nilmohar	2		2
66	Palas	1		1
67	Pangara	23		23
68	Parijatak	10	2	12
69	Payar	1		1
70	Peru	53	2	55
71	Phanas	12	1	13
72	Pichkari	3		3
73	Pimpal	23		23
74	Rai avla	5		5
75	Rain Tree	20		20
76	Ramphal	10	1	11
77	Rudraksha	7		7
78	Saptarni	1		1
79	Sausage Tree	4		4
80	Savar	1	2	3
81	Shendri	1		1
82	Shevga	7		7
83	Shindi	2		2
84	Shirish	7		7
85	Silver Oak	7		7
86	Singapur Cherry	1	1	2
87	Sisam	1	2	3
88	Sitaphal	5		5
89	Sonchapha	31	2	33

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Sn	Tree Name	Private	Roadside	Grand Total
90	Sonmohar	7	8	15
91	Subabhul	39		39
92	Supari	5	3	8
93	Suru	1		1
94	Tamalpatra	1		1
95	Tuti	8		8
96	Umber	55	1	56
97	Unidentified	1		1
98	Vad	5	1	6
99	Varas	89	2	91
100	Vavla	2		2
101	Vilayati Chinch	4		4
	<b>Grand Total</b>	<b>1580</b>	<b>54</b>	<b>1634</b>



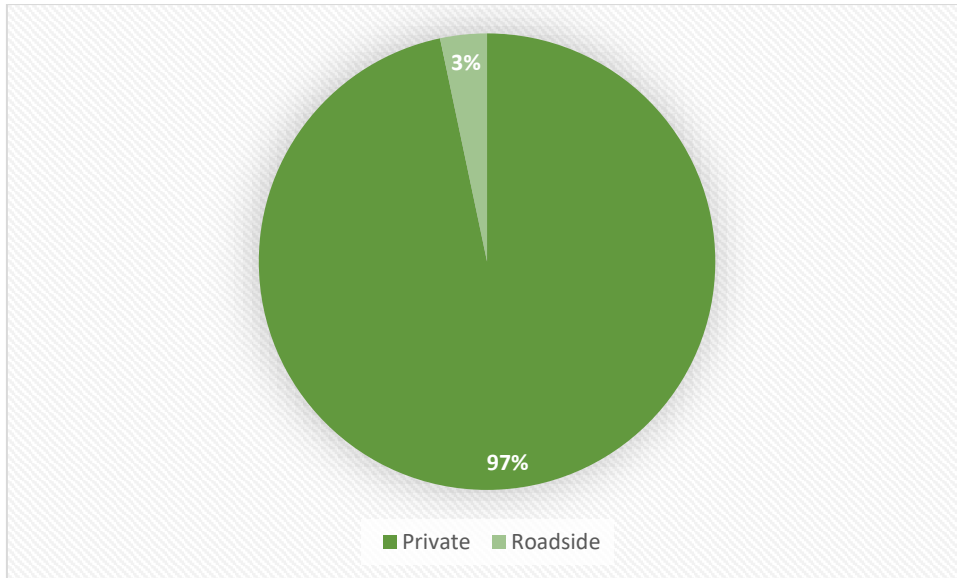


Figure 15 : Ward 8: Ownership wise distribution of trees species

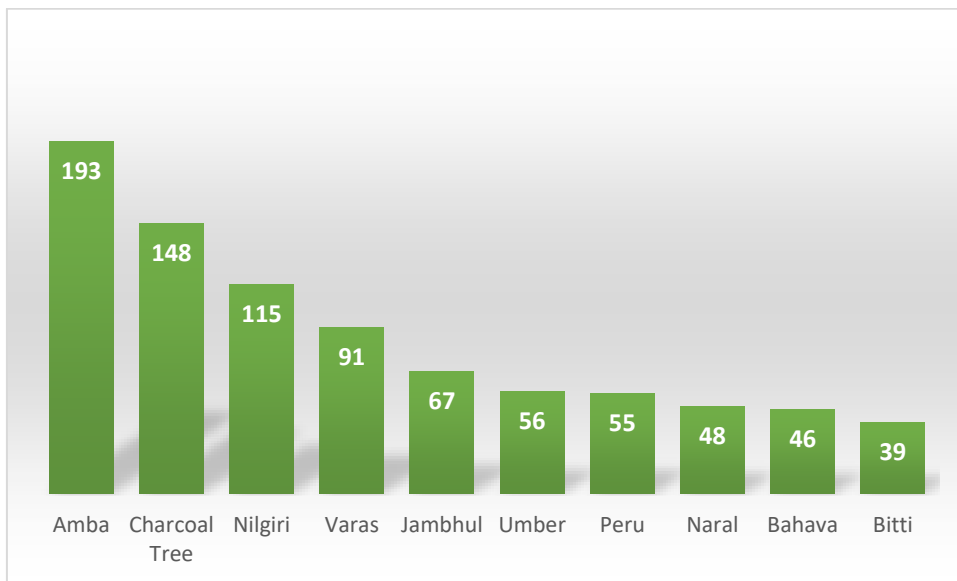


Figure 16 : Ward 8: 10 Dominant trees species

**Table 10 : Ownership wise distribution of all trees**

Sn	Common Name	Government	Industry	Park	Private	Roadside	Grand Total
1	Ain				721		721
2	Akashneem	19			21	5	45
3	All Spice tree				1		1
4	Alu	1			20		21
5	Amba	26	1	8	2559	42	2636
6	Ambada				1		1
7	Anjir				2		2
8	Apta				73	2	75
9	Arjun				18		18
10	Asana				166		166
11	Ashok				32		32
12	Asupalav (D)	15			93	13	121
13	Asupalav (S)	3			9	1	13
14	Atrun				62		62
15	Australian Babhul	24			549		573
16	Avla	5			382	2	389
17	Babhul	3	15		8732	9	8759
18	Bahava	1			81		82
19	Bakneem				56		56
20	Bakul	2			46	5	53
21	Beheda	1			26		27
22	Bel				50		50
23	Bhend	1			471	6	478
24	Bherli Mad				3		3
25	Bhokar	3		1	38		42
26	Bhorsal	3			33		36
27	Bitti				175	220	395
28	Bivla				1		1
29	Bondara				10		10
30	Bor	6			353	6	365
31	Bottle Brush	46			134	2	182
32	Bottle Palm	5			255		260
33	Burali Vad	2			8	3	13
34	Chanda	1			25		26
35	Chandan				6		6
36	Chapha	2			218	1	221
37	Charcoal Tree	8			446	1	455
38	Chenduphul	3			1		4
39	Chiku				67		67
40	Chinch	5			94	3	102
41	Christmas Tree	2			22		24
42	Coffee				1		1
43	Dalchini				3		3
44	Dalimb				6		6

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Sn	Common Name	Government	Industry	Park	Private	Roadside	Grand Total
45	Dandus				124		124
46	Datrang				57		57
47	Deshibadam	9			146	4	159
48	Devil's Claw				1		1
49	Dhaman	2			752	1	755
50	Diospyros sp.				8		8
51	Euphorbia umbellata				7		7
52	F. Benjamina	2			64		66
53	F. Benjamina Var. Nuda				2		2
54	F. Microcarpa				1		1
55	F. Tsiela	1			15		16
56	Falconeria insignis				157		157
57	Fan palm				3		3
58	Ficus sp.				1		1
59	Foxtail palm	5			63		68
60	Gela	1					1
61	Giripushpa	2			384		386
62	Gulmohar	14		2	291	5	312
63	Haldu				2		2
64	Hanumanphal				2		2
65	Hirda				5		5
66	Humb				2		2
67	Id Limbu				2		2
68	Indian Rubber Tree				1		1
69	Jamb				61		61
70	Jambha				1		1
71	Jambhul	30			649	15	694
72	Kadamb	8			524	68	600
73	Kadipatta				17		17
74	Kaduneem				67	3	70
75	Kailashpati	1			9		10
76	Kaju	55			213		268
77	Kakad				3		3
78	Kala Kuda				13		13
79	Kalamb				15	1	16
80	Kanchan	6			83	5	94
81	Karanj	63			5693	6	5762
82	Karmal	1			11		12
83	Kashid	30			122	16	168
84	Katesavar	10			760		770
85	Khair	2			404	1	407
86	Khaya	5					5
87	Khejdi				125	4	129
88	Khirni				2		2
89	Kinai				4		4

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Sn	Common Name	Government	Industry	Park	Private	Roadside	Grand Total
90	Kokam				33		33
91	Kuda				11		11
92	Kumkum				6		6
93	Kusum					4	4
94	Lanceleaf buttonwood	2					2
95	Lettuce Tree				1		1
96	Libi Divi				5		5
97	Limbu				64	1	65
98	Madagascar almond				26		26
99	Madhuca Longifolia				36		36
100	Mahaneem				1		1
101	Maharukh				1		1
102	Mahogani				16		16
103	Mayurpankhi				12		12
104	Mogli Erand	2			368		370
105	Moha	6		1	25		32
106	Nana	13			5		18
107	Nandrukh	1			2		3
108	Naral	7			642	1	650
109	Nilgiri	512			1944	34	2490
110	Nilmohar	7			33	1	41
111	Palas				7		7
112	Pandhara khair				136		136
113	Pangara	12			802	1	815
114	Papanas				18		18
115	Parijatak				37	3	40
116	Payar				4		4
117	Peru	5			421	3	429
118	Phanas	1			75	1	77
119	Pichkari	9			204	9	222
120	Pimpal	11			192	28	231
121	Pipli				1		1
122	Putranjiva				99		99
123	Rai avla				14		14
124	Rain Tree	1			80	4	85
125	Ramphal	1			76	3	80
126	Ranchicku				11		11
127	Ritha	4			70	9	83
128	Rudraksha				21		21
129	Sag				560		560
130	Saptparni	2			38		40
131	Sausage Tree				9	2	11
132	Savar	2			21	3	26
133	Scarlet Cordia				2		2
134	Shankasur				37		37

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Sn	Common Name	Government	Industry	Park	Private	Roadside	Grand Total
135	Shemat				31		31
136	Shendri				1		1
137	Shevga	1			75		76
138	Shindi				7		7
139	Shirish	10			39		49
140	Shivan	2			33		35
141	Silver Oak	5			163		168
142	Singapur Cherry	8			131	2	141
143	Sisam	2			82	2	86
144	Sisvi	8			54	1	63
145	Sitaphal	2			15		17
146	Sonchapha	5		1	225	2	233
147	Sonmohar	9			164	9	182
148	Subabhul	218			1825	11	2054
149	Supari				82	3	85
150	Surangi				1		1
151	Suru				13		13
152	T. Pentaphylla				6	15	21
153	Tamalpatra				2	1	3
154	Taman				13	2	15
155	Tendu				44		44
156	Tetu	2			17	1	20
157	Toothed Leaf Chilla				56		56
158	Tuti				77	1	78
159	Umber	29		1	1057	19	1106
160	Unidentified	1			14		15
161	Vad	8	1		82	33	124
162	Varas	4			846	3	853
163	Vavla	1			40		41
164	Vilayati Babhul	86			268		354
165	Vilayati Chinch	7			932	8	947
166	Wendlandia	1			244		245
	<b>Grand Total</b>	<b>1441</b>	<b>17</b>	<b>14</b>	<b>39741</b>	<b>670</b>	<b>41883</b>

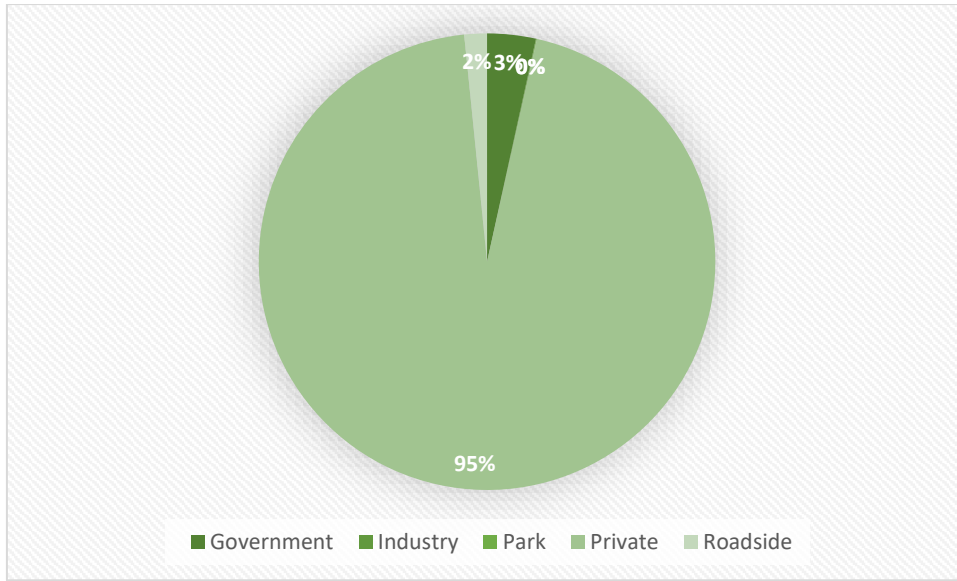


Figure 17 : Ownership wise distribution of all tree's species

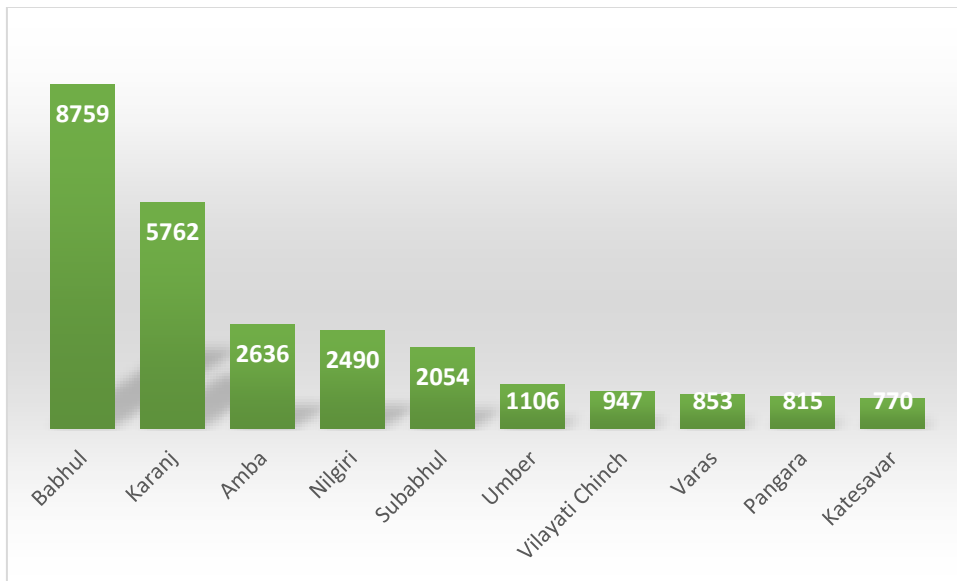
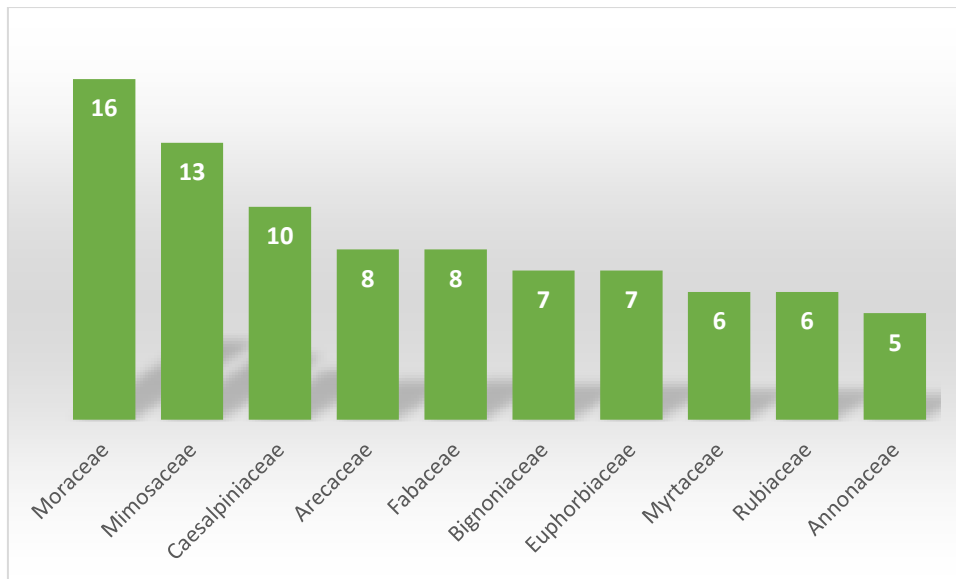


Figure 18 : 10 Dominant trees species



**Figure 19 : 10 Dominant family of trees species**

Table 11 : 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>Emblica 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
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



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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
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>Xylocarpus 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>Couropita 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

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Sn	Common Name	Botanical Name	Family
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
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	Nandrakh	<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	Saptarni	<i>Alstonia scholaris</i> (Linn.) R.Br.	Apocynaceae

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Sn	Common Name	Botanical Name	Family
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.	Caesalpiaceae
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 lebbek</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.	Caesalpiaceae
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

**Table 12 : Information of trees**

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
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

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Sn	Common Name	Aesthetic	Ecological	Economic
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
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

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Sn	Common Name	Aesthetic	Ecological	Economic
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
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
114	Papanas	Cultivated in garden	Evergreen	Edible fruits

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Sn	Common Name	Aesthetic	Ecological	Economic
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
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

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Sn	Common Name	Aesthetic	Ecological	Economic
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			



**Table 13 : Importance wise bifurcation of all trees**

Fruiting Tree		
Sn	Common Name	Count
1	Amba	2636
2	Ambada	1
3	Anjir	2
4	Avla	389
5	Bakul	53
6	Beheda	27
7	Bel	50
8	Bhokar	42
9	Bivla	1
10	Bor	365
11	Chiku	67
12	Chinch	102
13	Dalimb	6
14	Deshibadam	159
15	Gela	1
16	Hanumanphal	2
17	Hirda	5
18	Id Limbu	2
19	Jamb	61
20	Jambha	1
21	Jambhul	694

Fruiting Tree		
Sn	Common Name	Count
22	Kaju	268
23	Kokam	33
24	Limbu	65
25	Madhuca Longifolia	36
26	Moha	32
27	Naral	650
28	Peru	429
29	Phanas	77
30	Rai avla	14
31	Ramphal	80
32	Ranchicku	11
33	Ritha	83
34	Sausage Tree	11
35	Shevga	76
36	Shindi	7
37	Sitaphal	17
38	Supari	85
39	Tendu	44
40	Umber	1106
41	Vilayati Chinch	947
	<b>Grand Total</b>	<b>8737</b>

Medicinal Trees		
Sn	Common Name	Count
1	Akashneem	45
2	All Spice tree	1
3	Apta	75
4	Arjun	18
5	Asana	166
6	Ashok	32
7	Atrun	62
8	Babhul	8759
9	Bakneem	56
10	Chandan	6
11	Coffee	1
12	Dalchini	3

Medicinal Trees		
Sn	Common Name	Count
13	Haldu	2
14	Kadipatta	17
15	Kaduneem	70
16	Kusum	4
17	Mahaneem	1
18	Maharukh	1
19	Nilgiri	2490
20	Sisam	86
21	Sisvi	63
22	Tamalpatra	3
	<b>Grand Total</b>	<b>11961</b>

*GPS based Tree Census Report of Trimbak Municipal Council - 2021-22*

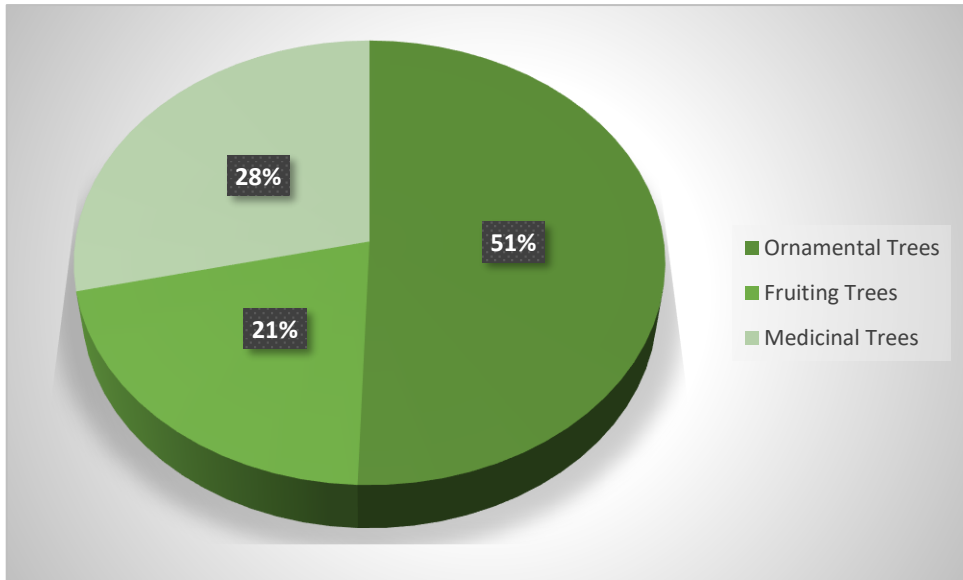
Ornamental Trees		
Sn	Common Name	Count
1	Ain	721
2	Alu	21
3	Asupalav (D)	121
4	Asupalav (S)	13
5	Australian Babhul	573
6	Bahava	82
7	Bhend	478
8	Bherli Mad	3
9	Bhorsal	36
10	Bitti	395
11	Bondara	10
12	Bottle Brush	182
13	Bottle Palm	260
14	Burali Vad	13
15	Chanda	26
16	Chapha	221
17	Charcoal Tree	455
18	Chenduphul	4
19	Christmas Tree	24
20	Dandus	124
21	Datrang	57
22	Devil's Claw	1
23	Dhaman	755
24	Diospyros sp.	8
25	Euphorbia umbellata	7
26	F. Benjamina	66
27	F. Benjamina Var. Nuda	2
28	F. Microcarpa	1
29	F. Tsiela	16
30	Falconeria insignis	157
31	Fan palm	3
32	Ficus sp.	1
33	Foxtail palm	68
34	Giripushpa	386
35	Gulmohar	312
36	Humb	2
37	Indian Rubber Tree	1
38	Kadamb	600
39	Kailashpati	10
40	Kakad	3
41	Kala Kuda	13
42	Kalamb	16
43	Kanchan	94

Ornamental Trees		
Sn	Common Name	Count
53	Kuda	11
54	Kumkum	6
55	Lanceleaf buttonwood	2
56	Lettuce Tree	1
57	Libi Divi	5
58	Madagascar almond	26
59	Mahogani	16
60	Mayurpankhi	12
61	Mogli Erand	370
62	Nana	18
63	Nandrukh	3
64	Nilmohar	41
65	Palas	7
66	Pandhara khair	136
67	Pangara	815
68	Papanas	18
69	Parijatak	40
70	Payar	4
71	Pichkari	222
72	Pimpal	231
73	Pipli	1
74	Putranjiva	99
75	Rain Tree	85
76	Rudraksha	21
77	Sag	560
78	Saptparni	40
79	Savar	26
80	Scarlet Cordia	2
81	Shankasur	37
82	Shemat	31
83	Shendri	1
84	Shirish	49
85	Shivan	35
86	Silver Oak	168
87	Singapur Cherry	141
88	Sonchapha	233
89	Sonmohar	182
90	Subabhul	2054
91	Surangi	1
92	Suru	13
93	T. Pentaphylla	21
94	Taman	15
95	Tetu	20

*GPS based Tree Census Report of Trimbak Municipal Council - 2021-22*

Ornamental Trees		
Sn	Common Name	Count
44	Karanj	5762
45	Karmal	12
46	Kashid	168
47	Katesavar	770
48	Khair	407
49	Khaya	5
50	Khejdi	129
51	Khirni	2
52	Kinai	4

Ornamental Trees		
Sn	Common Name	Count
96	Toothed Leaf Chilla	56
97	Tuti	78
98	Unidentified	15
99	Vad	124
100	Varas	853
101	Vavla	41
102	Vilayati Babhul	354
103	Wendlandia	245
	<b>Grand Total</b>	<b>21185</b>



**Figure 24: Bifurcation of Trees according to Tree Types**

## RESULTS

SN	DESCRIPTION	TOTAL
1	Area of Trimbak Municipal Council	13.63 Sq.Km.
2	Number of wards in Trimbak Municipal Council	08
3	Number of trees counted in Jurisdiction of Trimbak Municipal Council	41,883
4	Number of trees species counted in Jurisdiction of Trimbak Municipal Council	166
5	Fruiting Trees	8737
6	Medicinal Trees	11,961
7	Ornamental Trees	21,185



MAP OF AREA FOR PLANTATION

## PHOTOPLATES



*Madhuca longifolia* var. *latifolia* (Roxb.) Chev. "Moha"



*Mangifera indica* Linn. "Amba"



*Mitragyna parvifolia* (Roxb.) Korth "Kalamb"



*Morinda pubescens* Sm. "Bartondi"



*Pterocarpus marsupium* Roxb. "Bivla"



*Syzygium cumini* (Linn.) Skeels "Jambhul"



*Tectona grandis* Linn.f. "Sag"



*Terminalia bellerica* (Gaerth.) Roxb. "Baheda"



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