



TREE CENSUS BY USING GPS & GIS TECHNOLOGY WITHIN
VADGAON - MAVAL MUNICIPAL COUNCIL JURISDICTION 2021-22



ACKNOWLEDGEMENT

Thank you for all your wonderful contributions during our recent project work. It was really helpful to have your input, I really appreciate your guidance and I especially appreciate all of the time you've taken away from your own work to guide us and to ensure the work is completed in time.

Thus, we are grateful to the Vadgaon-Maval Municipal Council for leading the passionate team. The important role played by Dr.Praveen Nikam (Chief Officer) in executing Tree Census project was essential and inputs received from him on various occasion was helpful, and thus we are thankful to him. We would also like to thank Mr. Tekchand Nemade (head of Department) , Mr Dighambar Bande (City Co-ordinator)for their regular inputs & support.

The project would not have been successful without sincere and dedicated field work carried out by all technical team including field officers. We place on record our sincere appreciation for all of them. We also thanked administrative team for supporting the project throughout its duration.

Thanking You,

For,

Basil Environmental Services

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Vadgaon-Maval Municipal Council limits in Pune.



Vadgaon-Maval Located in Pune District.



About Vadgaon-Maval

DESCRIPTION

Vadgaon or Vadgaon Maval (formerly spelled Wadgaon or Wargaum) (Marathi: वडगाव मावल) is a census town and Nagar Panchayat in Mawal taluka, Pune district, in the Indian state of Maharashtra. Vadgaon is famous for its Jain and Potoba Maharaj temples and Mhadaji shinde garden.

As a Nagar Panchayat, Vadgaon is the headquarters for administration of Katavi and is headed by a nagaradhasha elected representative. At the time of the 2011 Census of India, it was a self-contained Nagar Panchayat, meaning that it governed no other constituent villages. It is Maval Taluka's main village. It is mainly divided into Chavan Wada, Dhore Wada, Mhalaskar Vasti, Kude Wada, Chavan Nagar, Mali Nagar, Bhilare Wasti, Keshav Nagar. Deccan hill.

HISTORY

In the First Anglo-Maratha War, Wadgaon (as the name was then spelled) was the site of the Battle of Wadgaon वडगावची लढाई in which the Maratha Empire inflicted a defeat on the East India Company and of a treaty in which the British made considerable concessions.[3]

What is Tree Census?

A census is the procedure of systematically enumerating, and acquiring and recording information about the Number of Trees in particular area. The census is a list that keeps track of all Trees for example tree name, girth, height, age, health condition, ownership etc

What said The Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975?

CHAPTER IV 7.

Duties of Tree Authority. - Notwithstanding anything contained in the relevant Act or in any other law for the time being in force, and subject to any special or general directions given by the State Government, the Tree Authority shall be responsible for-

- (a) [protection and preservation] of all trees in all lands within its jurisdiction;
- (b) carrying out a census of the existing trees in all lands within its jurisdiction, [once before December 1996 and thereafter once in every five years;]
- (c) prescribing standards specifying the number and types of trees which each plot of land shall have and which shall be planted therein;
- (d) development and maintenance of nurseries for the supply of seeds, saplings and trees to persons who desire to plant new trees or to replace trees which have been felled with the previous permission of the Tree Officer [or involuntarily uprooted;]
- (e) transplanting of trees necessitated by construction of new roads or widening of existing roads or for safeguarding danger to life or property;

[(f) organisation of flower, fruit, vegetable, tree or plant shows [at least once a year] and assisting private and public Institutions in organising such shows, and creation of consciousness of importance of trees and vegetation to the human welfare;].

(g) grant of advice and technical assistance to any person seeking such advice or assistance in any matter connected with [planting protection and preservation] of trees;

(h) planting and maintaining such number of trees as it considers necessary, according to the prescribed standards, [along the roads] in public parks and gardens and on banks of rivers or lakes or [sea shores, on hills, open spaces or public places;]

Why Tree Census is Important?

A tree census also helps in future environmental planning. The census is also aimed at encouraging community awareness of the need for tree conservation, regulating pruning and felling and increasing green cover with people's participation.

Once completed, the tree census may become a regular feature that can be repeated every five years and serve as a potential platform for an environmental education programme that would help spread awareness about the need for clean air, recharging of ground water, maintenance of biodiversity, reduction of noise pollution and so on.

How many trees are needed to produce enough oxygen for one person?

You'll hear a range of numbers and ways of presenting them because the amount of oxygen produced by a tree depends on the species of tree, its age, its health, and also on the tree's surroundings. The bigger the tree the more total oxygen it produces and more is its own requirement for oxygen for survival. Yes, a 59-year-old Neem tree produces more oxygen than a 1-yearold Neem tree. According to the Arbor Day Foundation, "a mature leafy tree produces as much oxygen in a season as 10 people inhale in a year. "A single mature tree can absorb carbon dioxide at a rate of 48 lbs./year and release enough oxygen back into the atmosphere to support 2 human beings." "One acre of trees annually consumes the amount of carbon dioxide equivalent to that produced by driving an average car for 26,000 miles. That same acre of trees also produces enough oxygen for 18 people to breathe for a year." " A 100-ft tree, 18" diameter at its base, produces 6,000 pounds of oxygen." "On average, one tree produces nearly 260 pounds of oxygen each year. Two mature trees can provide enough oxygen for a family of four."

Conclusion - We need at least 1 mature tree or 4 to 5 small trees to make enough oxygen for 1 person. The bigger and older the tree is; the more oxygen we will get.

Basil Environmental Services - Team Details

Administration	Mr. Nikesh Desai (B.Sc. Botany)
	Mrs. Bhagyashree Nikesh Desai
Project Coordinator	Mr. Santosh Pathkare
Taxonomists	Mr. Vilas (BSc. IT)
GPS & GIS Expert	Mr. Anand Gawai (BSc. IT)
Field Officer	Mr. Rehan Malik
	Mr. Santosh Pathkare
	Mr. Akash Ovhal
	Mr. Mayur Maruti Mengade
	Mr. M Sonaba Thorat
	Mr. Sanket Sonavane
	Mr. Mohan M Choudhari
	Mr. Vaishanavi Subhash Bhalerao
	Mr. Manoj Balu Shinde

STEP BY STEP WORKING PROCESS

PLANNING



DATA COLLECTION



**DATA VERIFICATION & ADDITION OF
SECONDARY ATTRIBUTES**



DATA ANALYSIS



FINAL REPORTS & DATA SUBMISSION

Method of Conducting Tree Census.

We have our own application www.basilenv.com a GIS based dynamic software which helps us manage records and related details of trees i.e., local tree name, scientific name, family, height, girth, age, ownership, health condition, GPS location of the tree enabled on our mobile application. While we tag a tree with its GPS location, date & time is automatically recorded by the application.



GPS & GIS based Mobile Application



The screenshot shows a mobile application interface titled 'Add Tree Details'. It features a series of input fields for data collection: Ward No, Tree Name, Girth, Height, Tree Age, Canopy, Condition, Address, Land Mark, Concern Person, Ownership, and Remark. A green circular button with a camera icon is located at the bottom right of the form. The interface is displayed on a smartphone screen with a status bar at the top showing the time as 3:42.

Above given image is the GPS based application we use for the data collection & the details to be taken on field by our team.

Below is the screenshot of our Web based Application

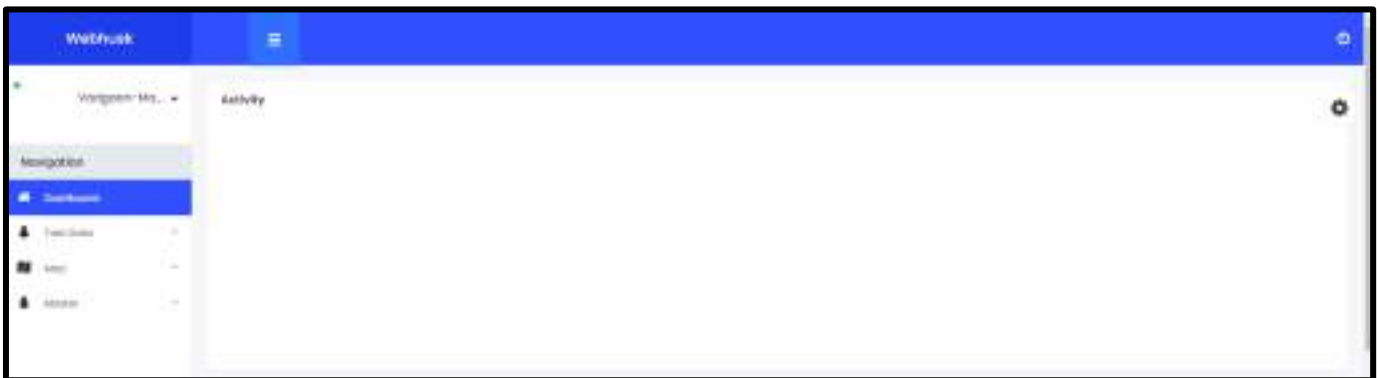
Step 1 – Login using below login details

Website- www.basilenv.com

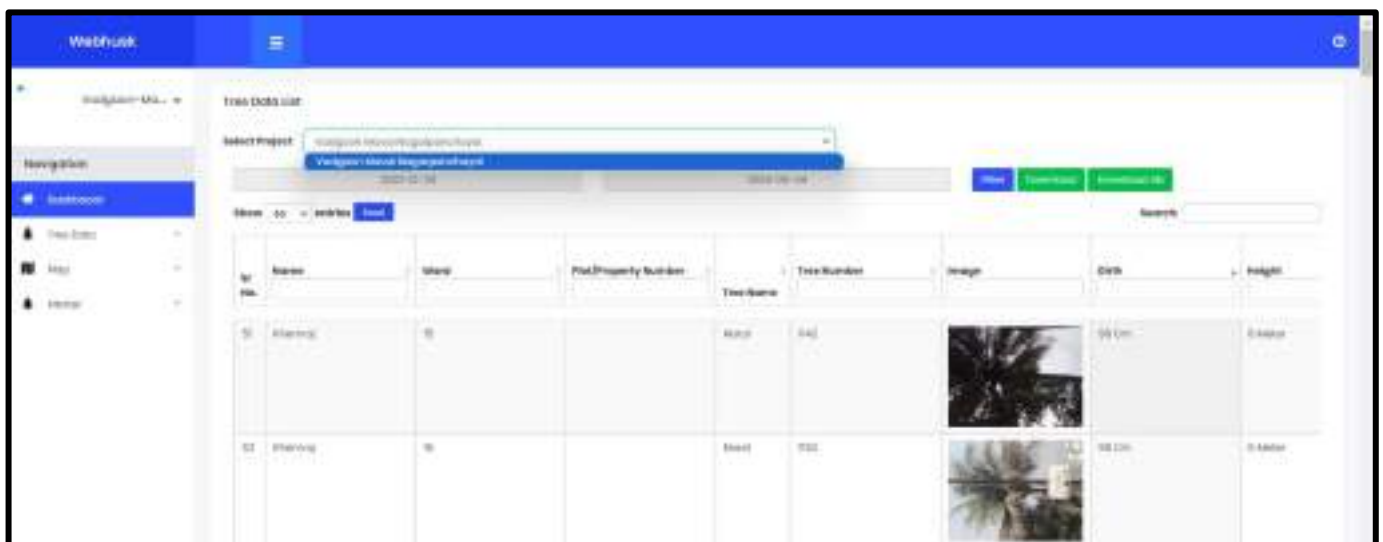
Login Id- Vadgaon-Maval@basilenv.com

Password – [Vadgaon-Maval](#)

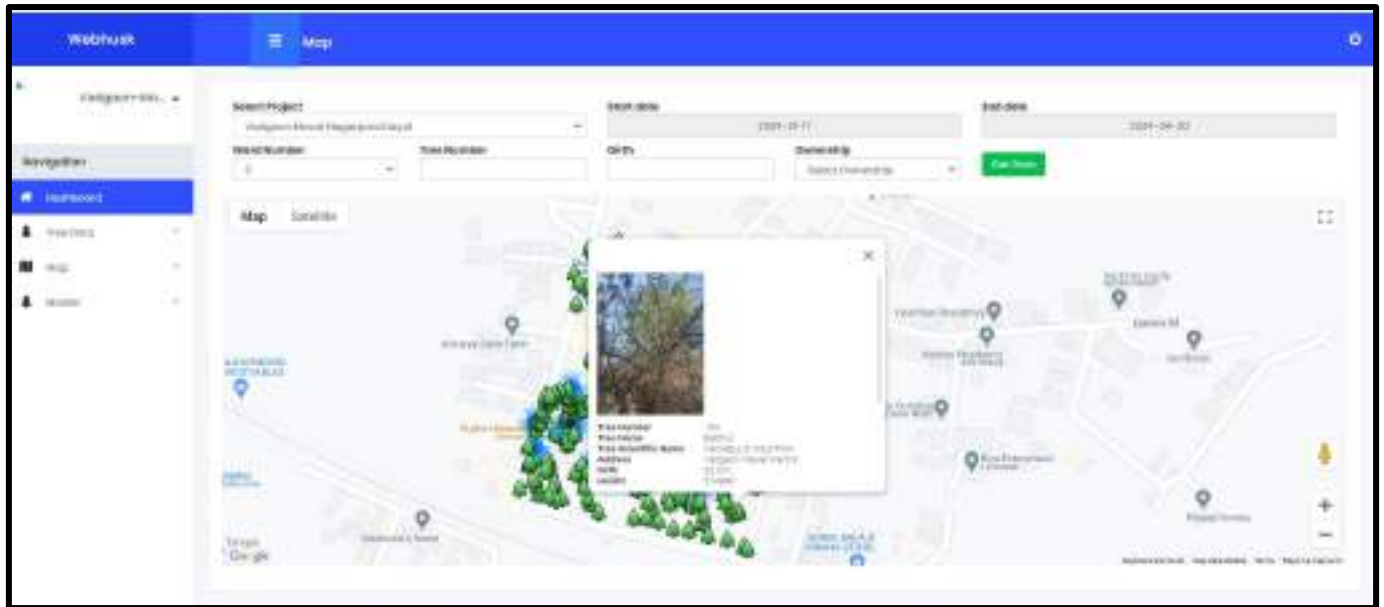
Step 2 - You will find dashboard as below



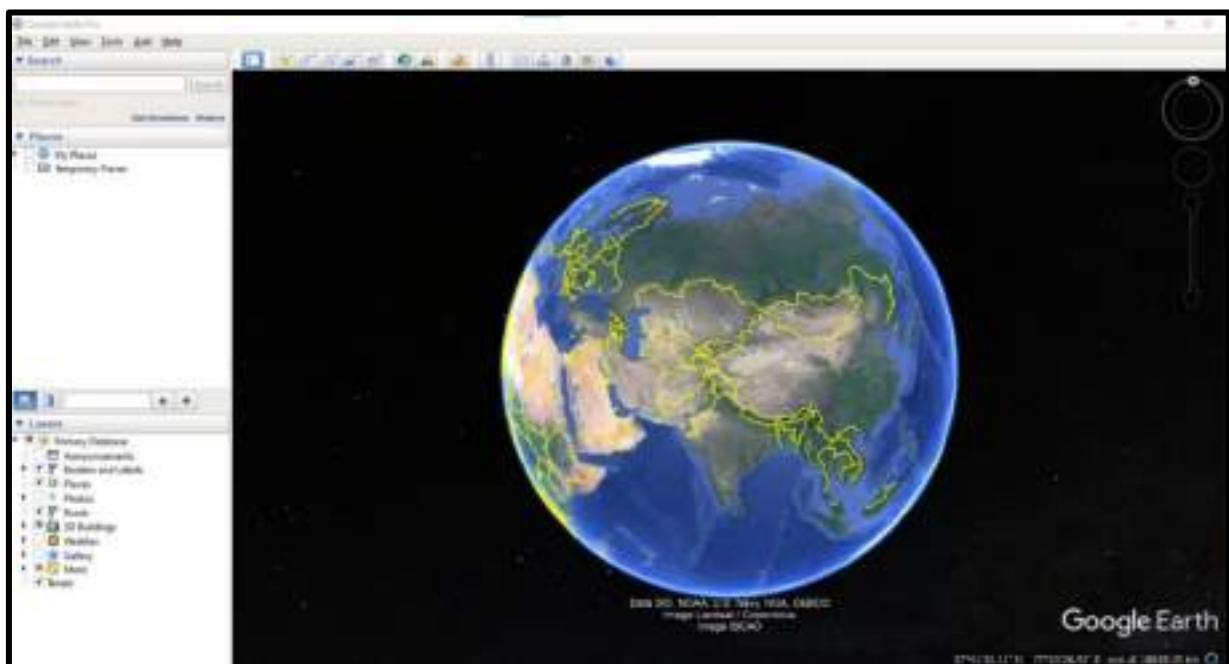
Step 3 – Go to the navigation option and select Tree Data and then Tree Data List and then select the project that is Vadgaon-Maval Tree Census or Vadgaon-Maval Heritage Tree.



Step 4 – For Maps, please go to navigation than select Maps and then Tree on Map and select project, ward no & other required criteria. (Imaging shown



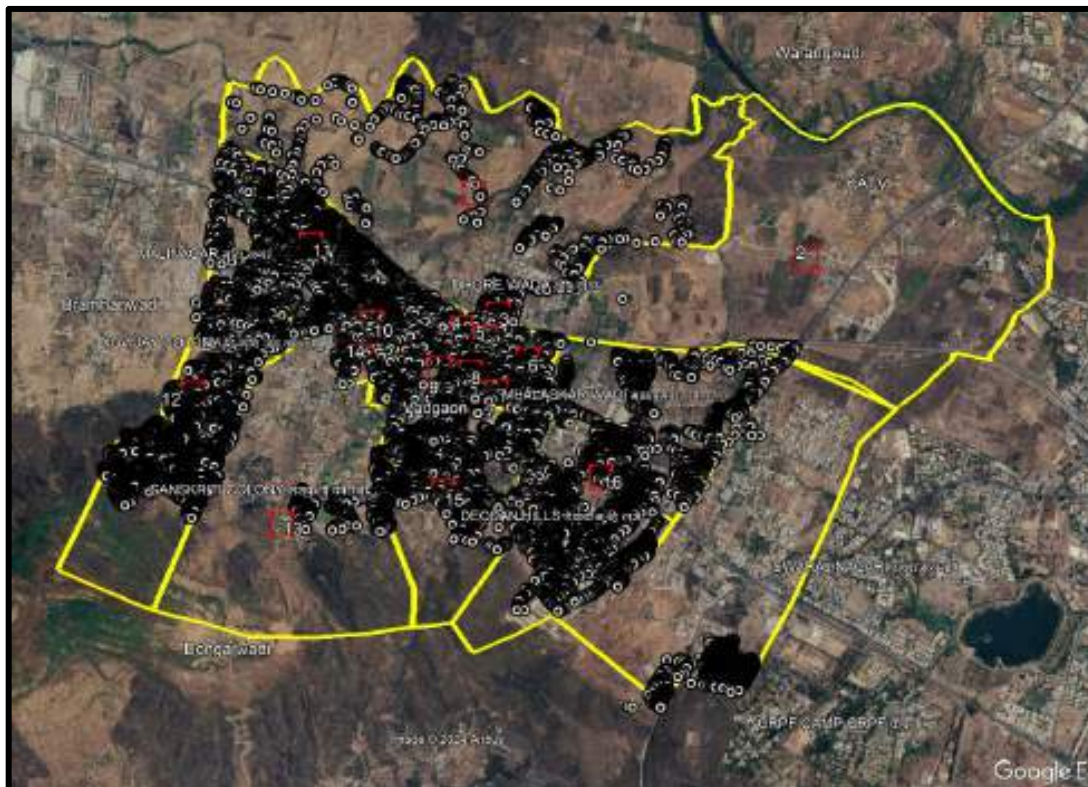
1) The data collected on our application, will be super imposed on Vadgaon-Maval City Map on Google Earth.



02) Map Without Geo-Tagging.



- 03) Image showing GPS tagging of the trees after the data super imposed on google. The black tags (dot) in the image indicate trees (Overall Data).



04) On clicking the black tags one can see the details of the trees (Ward No 15).

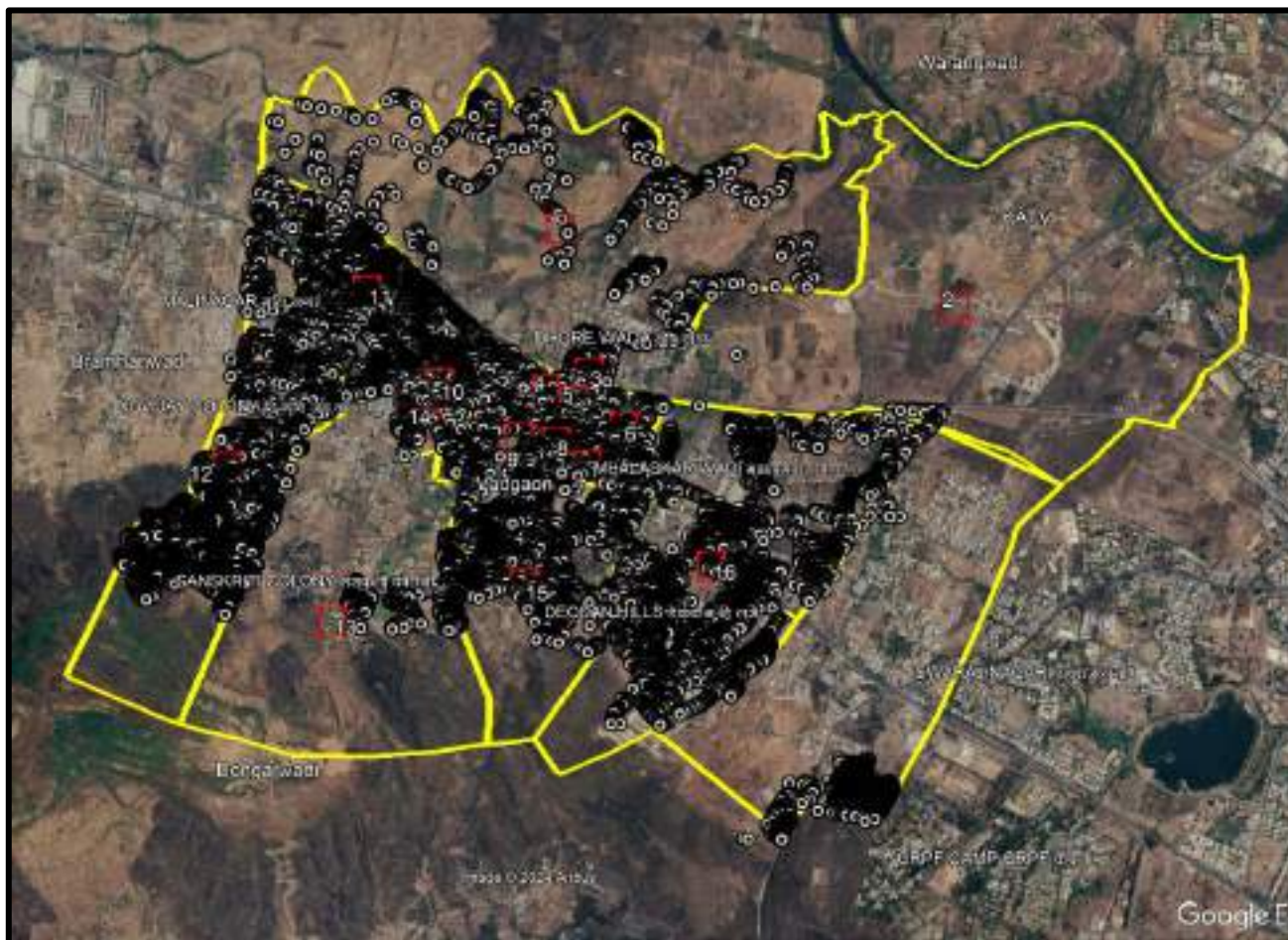
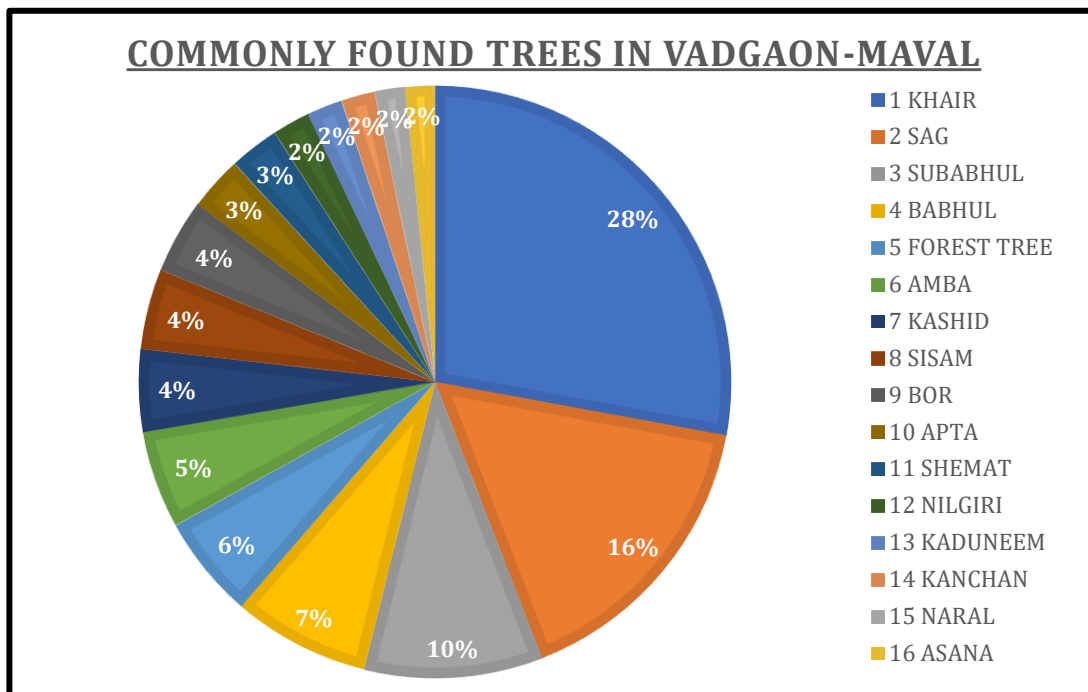


Ward Wise Summary

Particulars	Tree Count
Ward No - 1	2207
Ward No - 3	423
Ward No - 4	166
Ward No - 5	41
Ward No - 6	365
Ward No - 7	569
Ward No - 8	115
Ward No - 9	291
Ward No - 10	795
Ward No - 11	5459
Ward No - 12	10550
Ward No - 13	1236
Ward No - 14	501
Ward No - 15	4610
Ward No - 16	7022
Ward No - 17	6507
Total Tree Count	40857

Total Tree Species found – 161 Species

Overall, Tree Count



SL. NO	TREE NAME	TREE COUNT
1	AGASTI	1
2	AILANTHES TRIPHYSA	2
3	AIN	8
4	AKASHNEEM	23
5	ALL SPICE TREE	9
6	ALU	1
7	AMBA	1774
8	ANJAN	2
9	ANJIR	5
10	ANKUL	3
11	APTA	974
12	ARJUN	1
13	ASANA	536
14	ASHOK	37
15	ASUPALAV (D)	368
16	ASUPALAV (M)	58
17	ASUPALAV (S)	132
18	AVLA	60
19	BABHUL	2470
20	BAHAVA	4
21	BAKNEEM	3
22	BAKUL	14
23	BAMBOO	2
24	BEL	17
25	BERRYA CORDIFOLIA	1
26	BHEND	217
27	BHOKAR	98
28	BITTI	6
29	BOR	1344
30	BOTTLE BRUSH	50
31	BOTTLE PALM	219
32	CASSIA NODOSA	1
33	CHANDA	5
34	CHANDAN	191
35	CHAPHA	229
36	CHAPHA (A)	5
37	CHAPHA (O)	1
38	CHAPHA (T)	1
39	CHARI	11
40	CHENDUPHUL	1

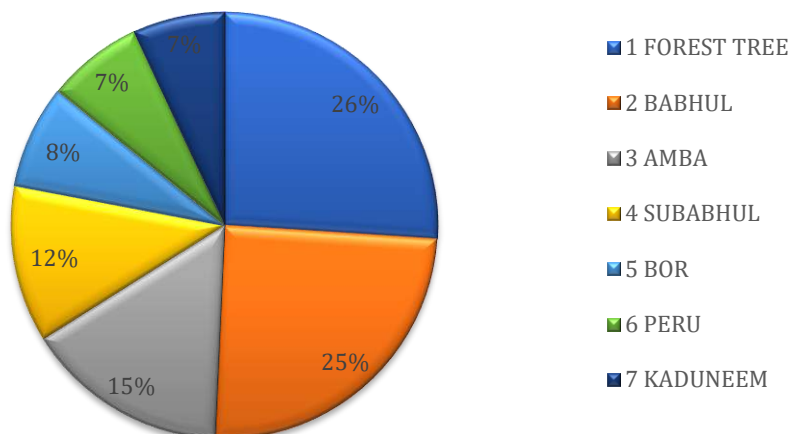
SL. NO	TREE NAME	TREE COUNT
41	CHIKU	196
42	CHINCH	133
43	CHIRA	3
44	CHRISTMAS TREE	42
45	DALIMB	7
46	DESHI BADAM	145
47	DEV BABHUL	15
48	DEV BABUL	22
49	DHAMAN	265
50	F. BENJAMIA	163
51	F. BENJAMIA VAR. NUDA	1
52	FAN PALM	3
53	FISHTAIL PALM BHERLI MAD	41
156	FOREST TREE	1851
54	FOXTAIL PALM	19
55	GELA	9
56	GIRIPUSHPA	5
57	GOLDEN BRUSH	3
58	GULMOHAR	322
59	GUSTAVIA	1
60	H. MAHOGANI	11
61	HADAGA	2
62	HIRVA CHAPHA	9
63	HIVAR	66
64	HUMB	2
65	INDIAN CHARCOAL TREE	1
66	INDIAN RUBBER TREE	1
67	JAMB	11
68	JAMBHA	2
69	JAMBHUL	317
70	JUNGLI BADAM	7
71	KADAMB	34
72	KADIPATTA	46
73	KADUNEEM	640
74	KAILASHPATI	1
75	KAJU	7
76	KAKAD	11
77	KALA UMBER	3
78	KANCHAN	602
79	KARANJ	119

SL. NO	TREE NAME	TREE COUNT
80	KARVAT	2
81	KASHID	1468
82	KATESAVAR	142
83	KAVAS	1
84	KAVATH	1
85	KAVATHI CHAFA	1
86	KHAIR	9204
87	KHIRNI	20
88	KINAI	5
89	KUDA	1
90	KUMBH	1
91	LAL CHAPHA	12
92	LAL KHAIR	14
93	LIMBU	43
94	MAHOGANI	1
95	MAKAD LIMBU	4
96	MARKHAMIA	1
97	MAYURPANKHI	63
98	MEDSHING	1
99	MILLETTIA VALIFOLIA	1
100	MOGALI ERAND	4
101	NANDRUK	1
102	NARAL	541
103	NARINGI	1
104	NILGIRI	690
105	NILGIRI ©	34
106	NIRGUNDI	72
107	NIRPHANAS	2
108	PALM	1
109	PANDHARA KHAIR	5
110	PANGARA	5
111	PAPANAS	1
112	PARIJATAK	1
113	PAYAR	2
114	PERU	493
115	PHANAS	145
116	PICHKARI	91
117	PIMPAL	184
118	POTKA SHIRISH	2
119	PUTRANJIVA	3
120	RAI AVLA	11

SL. NO	TREE NAME	TREE COUNT
121	RAIN TREE	213
122	RAM BABHUL	2
123	RAMPHAL	26
124	SAG	5357
125	SAPTPARNI	76
126	SAUSAGE TREE	3
127	SAVAR	1
128	SCARLET CORDIA	10
129	SHEMAT	893
130	SHEVGA	356
131	SHINDI	170
132	SHIRISH	269
133	SHIVAN	3
134	SILVER OAK	218
135	SINGAPORI CHERRY	28
136	SISAM	1444
137	SITA ASHOK	4
138	SITAPHAL	150
139	SON CHAPHA	51
140	SONMOHAR	50
141	SUBABHUL	3209
142	SUPARI	380
143	SURU	27
144	T. ARGENTEA	1
145	T. PENTAPHYLLA	50
146	TABERNAEMONTANA HEYNEANE	1
147	TAD	11
148	TAMALPATRA	2
149	TAMAN	8
150	TEJPAN	3
151	TETRAMELIS	1
152	TETU	1
153	TUTI	51
154	UMBER	291
155	UMBRELLA TREE	9
157	VAD	68
158	VAVALA	9
159	VILAYATI BABHUL	5
160	VILAYATI CHINCH	103
161	WARAS	6
TOTAL TREE COUNT		40857

WARD NO 01

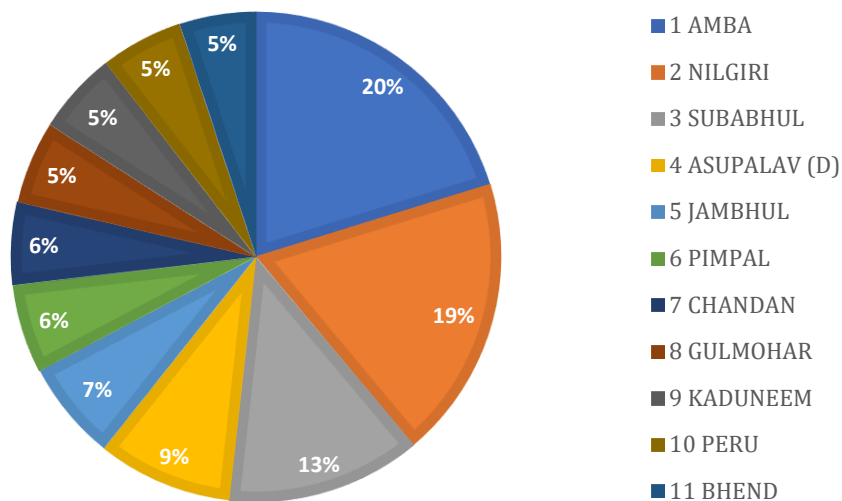
COMMONLY FOUND TREES IN WARD NO 01



SL.NO	TREE NAME	TREE COUNT
1	AMBA	276
2	APTA	3
3	BABHUL	443
4	BHEND	42
5	BOR	140
6	CHANDAN	26
7	CHAPHA	4
8	CHAPHA (A)	1
9	CHARI	1
10	CHIKU	59
11	CHINCH	4
12	DESHI BADAM	5
13	DEV BABHUL	1
14	DEV BABUL	15
15	FOREST TREE	467
16	JAMB	1
17	JAMBHUL	15
18	KADIPATTA	3
19	KADUNEEM	124
20	LIMBU	7
21	MAYURPANKHI	3
22	NARAL	50
23	PERU	131
24	PHANAS	7
25	PIMPAL	6
26	RAMPHAL	6
27	SAG	63
28	SHEVGA	25
29	SITAPHAL	3
30	SUBABHUL	213
31	SUPARI	40
32	TAD	11
33	UMBER	7
34	VAD	3
35	VILAYATI CHINCH	2
	TOTAL TREE COUNT	2207

WARD NO 03

COMMONLY FOUND TREE IN WARD NO 03

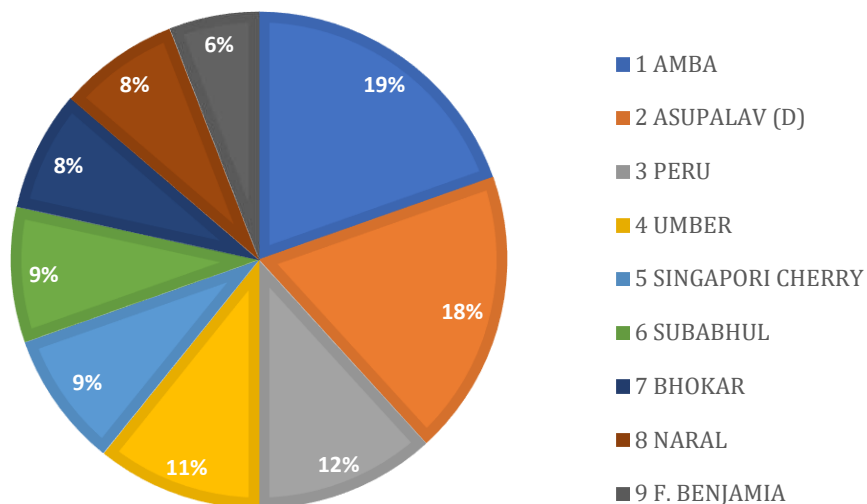


SL. NO	TREE NAME	TREE COUNT
1	AKASHNEEM	2
2	AMBA	52
3	ASUPALAV (D)	23
4	ASUPALAV (S)	2
5	BABHUL	5
6	BAKUL	1
7	BHEND	13
8	BHOKAR	1
9	BITTI	1
10	BOR	6
11	CHANDA	1
12	CHANDAN	14
13	CHAPHA	3
14	CHIKU	5
15	CHINCH	10
16	DESHI BADAM	2
17	F. BENJAMIA	11
18	FOREST TREE	11
19	GULMOHAR	14
20	JAMBHUL	17
21	KADAMB	1
22	KADUNEEM	14
23	KAILASHPATI	1
24	KASHID	6
25	LIMBU	3
26	NARAL	6
27	NILGIRI	48
28	NIRGUNDI	3
29	PERU	14
30	PHANAS	6
31	PICKKARI	1
32	PIMPAL	15
33	RAIN TREE	2
34	RAMPHAL	1
35	SAG	7

SL. NO	TREE NAME	TREE COUNT
36	SAPTPARNI	1
37	SAUSAGE TREE	1
38	SHEMAT	1
39	SHEVGA	11
40	SHINDI	1
41	SHIVAN	1
42	SILVER OAK	4
43	SITA ASHOK	1
44	SITAPHAL	10
45	SON CHAPHA	1
46	SUBABHUL	33
47	SURU	1
48	TAMAN	2
49	TUTI	5
50	UMBER	10
51	VAD	11
52	VILAYATI CHINCH	7
	TOTAL TREE COUNT	423

WARD NO 04

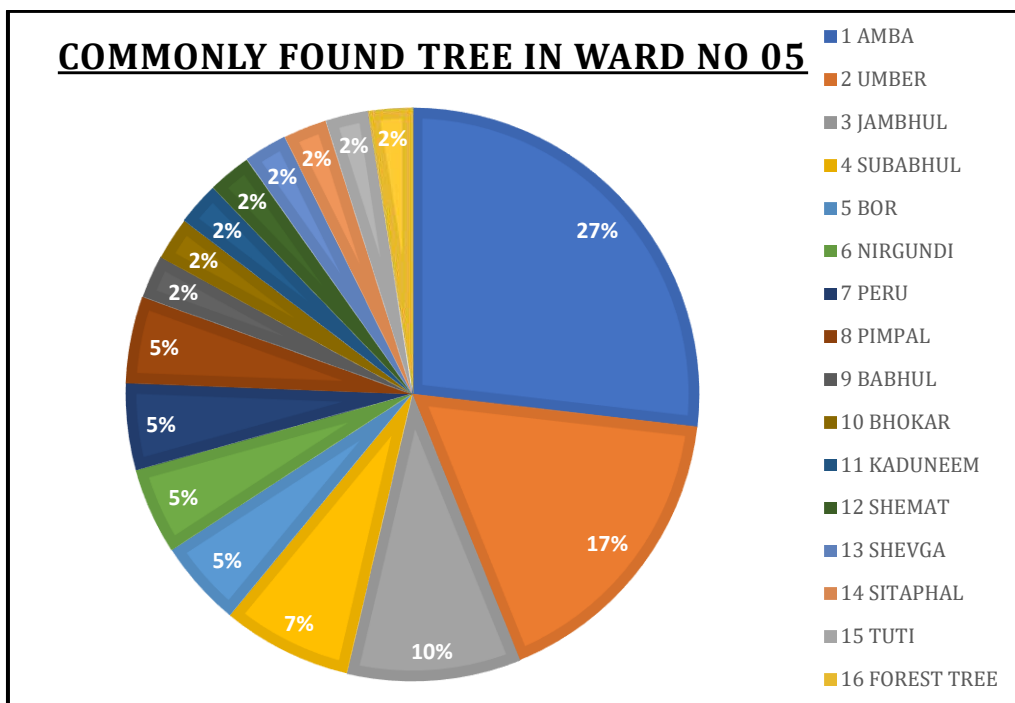
COMMONLY FOUND TREE IN WARD NO 04



SL. NO	TREE NAME	TREE COUNT
1	AMBA	20
2	ANJIR	1
3	ASHOK	1
4	ASUPALAV (D)	19
5	BHEND	1
6	BHOKAR	8
7	BOR	1
8	CHAPHA	1
9	CHIKU	1
10	CHINCH	2
11	F. BENJAMIA	6
12	GULMOHAR	3
13	JAMBHUL	4
14	KADIPATTA	1
15	KADUNEEM	1
16	KARANJ	4
17	KASHID	4
18	LIMBU	3
19	MAKAD LIMBU	1
20	MAYURPANKHI	1
21	NARAL	8
22	NIRGUNDI	3
23	PERU	12
24	PHANAS	5
25	PICHKARI	1
26	PIMPAL	2
27	RAIN TREE	1
28	SAG	1
29	SHEVGA	5
30	SHINDI	1
31	SINGAPORI CHERRY	9
32	SITAPHAL	2
33	SONMOHAR	1
34	SUBABHUL	9
35	SURU	2

SL. NO	TREE NAME	TREE COUNT
36	TEJPAN	1
37	TUTI	3
38	UMBER	11
39	VAD	1
40	VAVALA	2
41	VILAYATI CHINCH	3
	TOTAL TREE COUNT	166

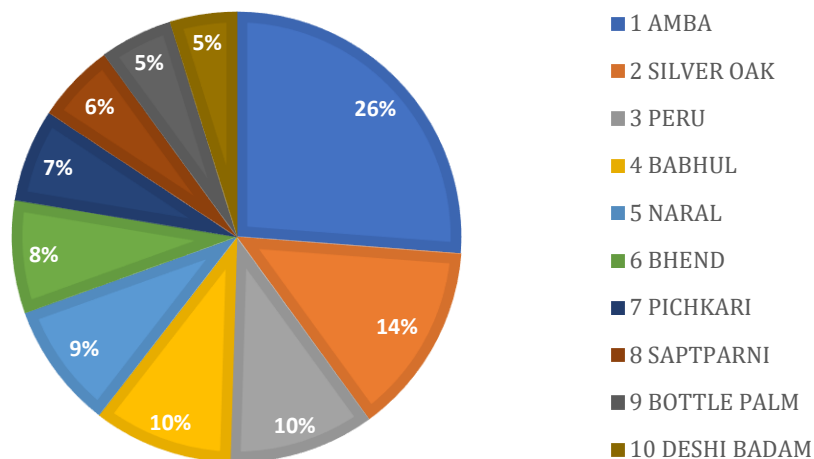
WARD NO 05



SL. NO	TREE NAME	TREE COUNT
1	AMBA	11
2	BABHUL	1
3	BHOKAR	1
4	BOR	2
16	FOREST TREE	1
5	JAMBHUL	4
6	KADUNEEM	1
7	NIRGUNDI	2
8	PERU	2
9	PIMPAL	2
10	SHEMAT	1
11	SHEVGA	1
12	SITAPHAL	1
13	SUBABHUL	3
14	TUTI	1
15	UMBER	7
	TOTAL TREE COUNT	41

WARD NO 06

COMMONLY FOUND TREE IN WARD NO 06

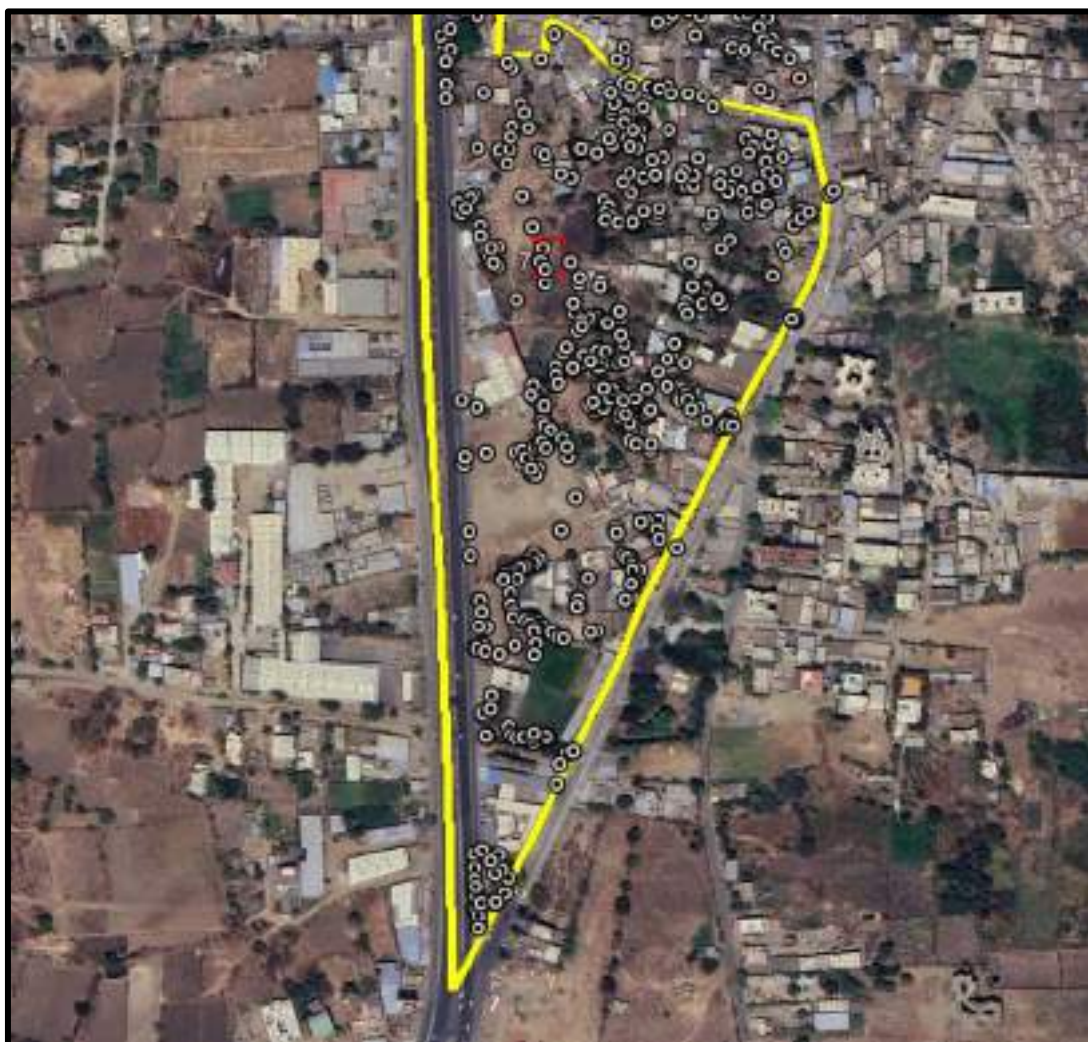
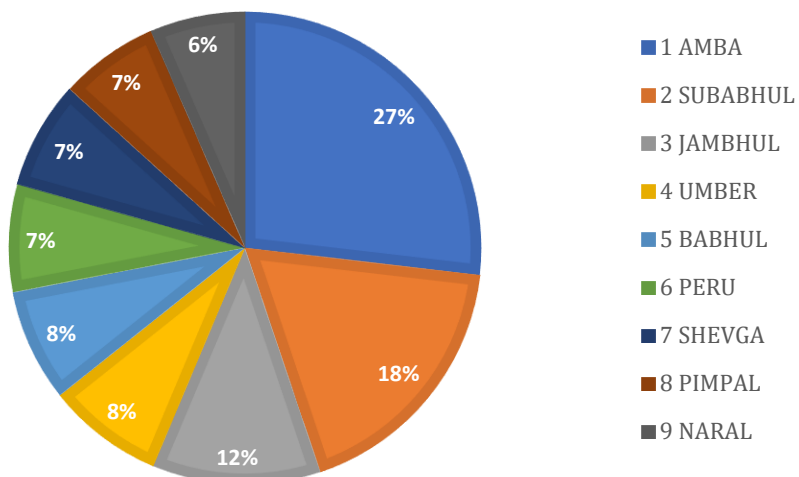


SL. NO	TREE NAME	TREE COUNT
1	AMBA	55
2	ASUPALAV (D)	5
3	ASUPALAV (S)	8
4	BABHUL	21
5	BAKUL	2
6	BHEND	17
7	BITTI	1
8	BOR	8
9	BOTTLE PALM	11
10	CHAPHA	3
11	CHIKU	3
12	CHINCH	1
13	CHRISTMAS TREE	2
14	DESHI BADAM	10
15	F. BENJAMIA	9
50	FOREST TREE	3
16	FOXTAIL PALM	1
17	GULMOHAR	3
18	HIRVA CHAPHA	1
19	INDIAN RUBBER TREE	1
20	JAMB	2
21	JAMBHUL	9
22	KADAMB	9
23	KADIPATTA	4
24	KADUNEEM	7
25	KARANJ	1
26	LIMBU	2
27	MAYURPANKHI	1
28	NARAL	19
29	NILGIRI	7
30	NIRGUNDI	3
31	PERU	22
32	PHANAS	2
33	PICKKARI	14
34	PIMPAL	3
35	RAI AVLA	1

SL. NO	TREE NAME	TREE COUNT
36	RAIN TREE	2
37	RAMPHAL	2
38	SAG	2
39	SAPTPARNI	12
40	SAUSAGE TREE	1
41	SHEVGA	6
42	SHINDI	6
43	SILVER OAK	29
44	SINGAPORI CHERRY	4
45	SITAPHAL	4
46	SON CHAPHA	3
47	SUBABHUL	6
48	TUTI	6
49	UMBER	9
51	VAD	1
52	VILAYATI CHINCH	1
	TOTAL TREE COUNT	365

WARD NO 07

COMMONLY FOUND TREE IN WARD NO 07

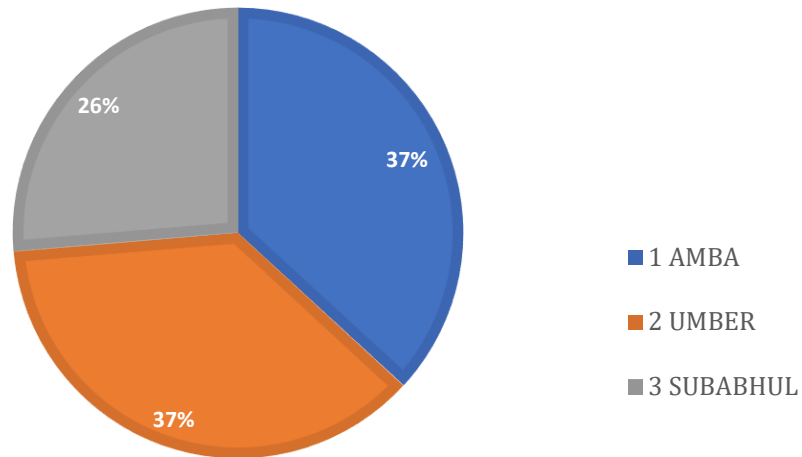


SL.NO	TREE NAME	TREE COUNT
1	AMBA	91
2	ANJIR	1
3	APTA	2
4	ASUPALAV (D)	2
5	AVLA	6
6	BABHUL	26
7	BHEND	19
8	BHOKAR	1
9	BITTI	1
10	BOR	12
11	BOTTLE PALM	17
12	CHANDAN	2
13	CHIKU	9
14	CHINCH	11
15	CHRISTMAS TREE	1
16	DESHI BADAM	4
17	DHAMAN	1
18	F. BENJAMIA	10
19	FAN PALM	2
56	FOREST TREE	7
20	FOXTAIL PALM	1
21	GIRIPUSHPA	1
22	GULMOHAR	7
23	HIRVA CHAPHA	2
24	JAMB	2
25	JAMBHUL	39
26	KADAMB	1
27	KADIPATTA	5
28	KADUNEEM	15
29	KASHID	1
30	KATESAVAR	1
31	KAVATHI CHAFA	1
32	LIMBU	2
33	NARAL	22
34	NIRGUNDI	12
35	PERU	25

SL.NO	TREE NAME	TREE COUNT
36	PHANAS	12
37	PIMPAL	23
38	POTKA SHIRISH	1
39	RAI AVLA	2
40	RAMPHAL	2
41	SAG	5
42	SAPTPARNI	1
43	SHEMAT	2
44	SHEVGA	25
45	SHINDI	1
46	SHIRISH	1
47	SILVER OAK	8
48	SINGAPORI CHERRY	6
49	SISAM	1
50	SITA ASHOK	1
51	SITAPHAL	9
52	SON CHAPHA	1
53	SONMOHAR	2
54	SUBABHUL	61
55	UMBER	27
57	VAD	2
58	VAVALA	1
59	VILAYATI CHINCH	13
	TOTAL TREE COUNT	569

WARD NO 08

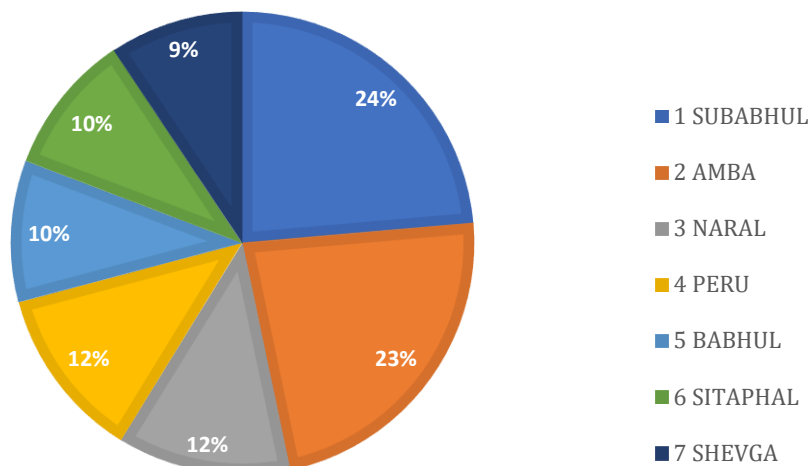
COMMONLY FOUND TREE IN WARD NO 08



SL. NO	TREE NAME	TREE COUNT
1	AMBA	21
2	ASUPALAV (D)	4
3	BABHUL	6
4	CHAPHA	2
5	CHINCH	3
6	DESHI BADAM	2
7	FOREST TREE	4
8	JAMBHUL	7
9	KADUNEEM	3
10	NARAL	4
11	PERU	4
12	PHANAS	3
13	PIMPAL	1
14	SHEVGA	2
15	SITAPHAL	5
16	SON CHAPHA	1
17	SUBABHUL	15
18	TUTI	4
19	UMBER	21
20	VILAYATI CHINCH	3
	TOTAL TREE COUNT	115

WARD NO 09

COMMONLY FOUND TREE IN WARD NO - 09

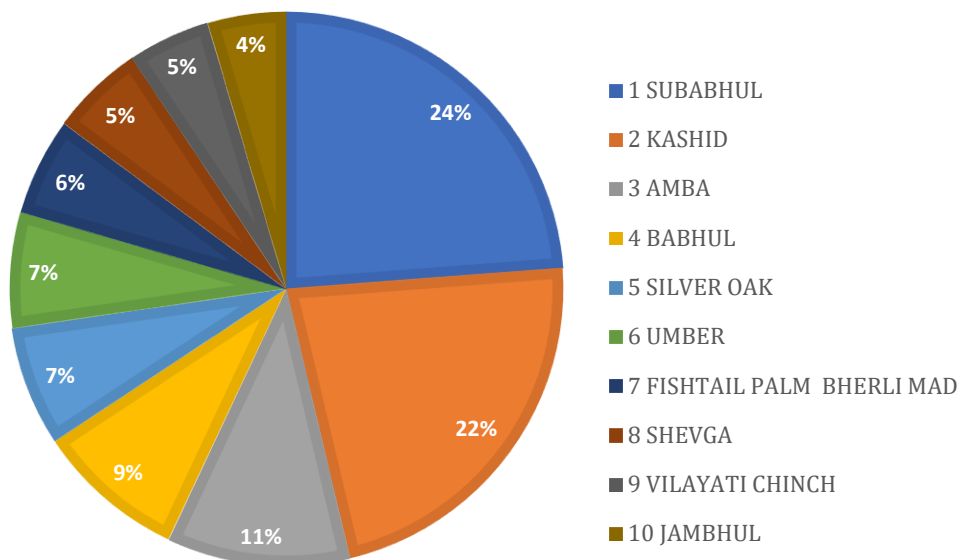


SL. NO	TREE NAME	TREE COUNT
1	AIN	1
2	AMBA	42
3	ASHOK	1
4	ASUPALAV (D)	2
5	AVLA	1
6	BABHUL	18
7	BEL	4
8	BHEND	5
9	BHOKAR	2
10	BITTI	2
11	BOR	5
12	CHIKU	2
13	CHINCH	8
14	DESHI BADAM	7
15	FOREST TREE	2
16	GULMOHAR	1
17	INDIAN CHARCOAL TREE	1
18	JAMB	1
19	JAMBHUL	5
20	KADIPATTA	3
21	KADUNEEM	6
22	KAJU	4
23	KASHID	1
24	KATESAVAR	1
25	LIMBU	2
26	MAKAD LIMBU	1
27	NARAL	22
28	NILGIRI	1
29	NIRGUNDI	3
30	PERU	22
31	PHANAS	8
32	PIMPAL	5
33	PUTRANJIVA	1
34	RAI AVLA	2
35	RAIN TREE	1

SL. NO	TREE NAME	TREE COUNT
36	RAMPHAL	1
37	SHEVGA	17
38	SHINDI	3
39	SINGAPORI CHERRY	6
40	SISAM	1
41	SITA ASHOK	1
42	SITAPHAL	18
43	SUBABHUL	43
44	UMBER	6
45	VAD	1
46	VILAYATI CHINCH	1
	TOTAL TREE COUNT	283

WARD NO 10

COMMONLY FOUND TREE IN WARD NO 10

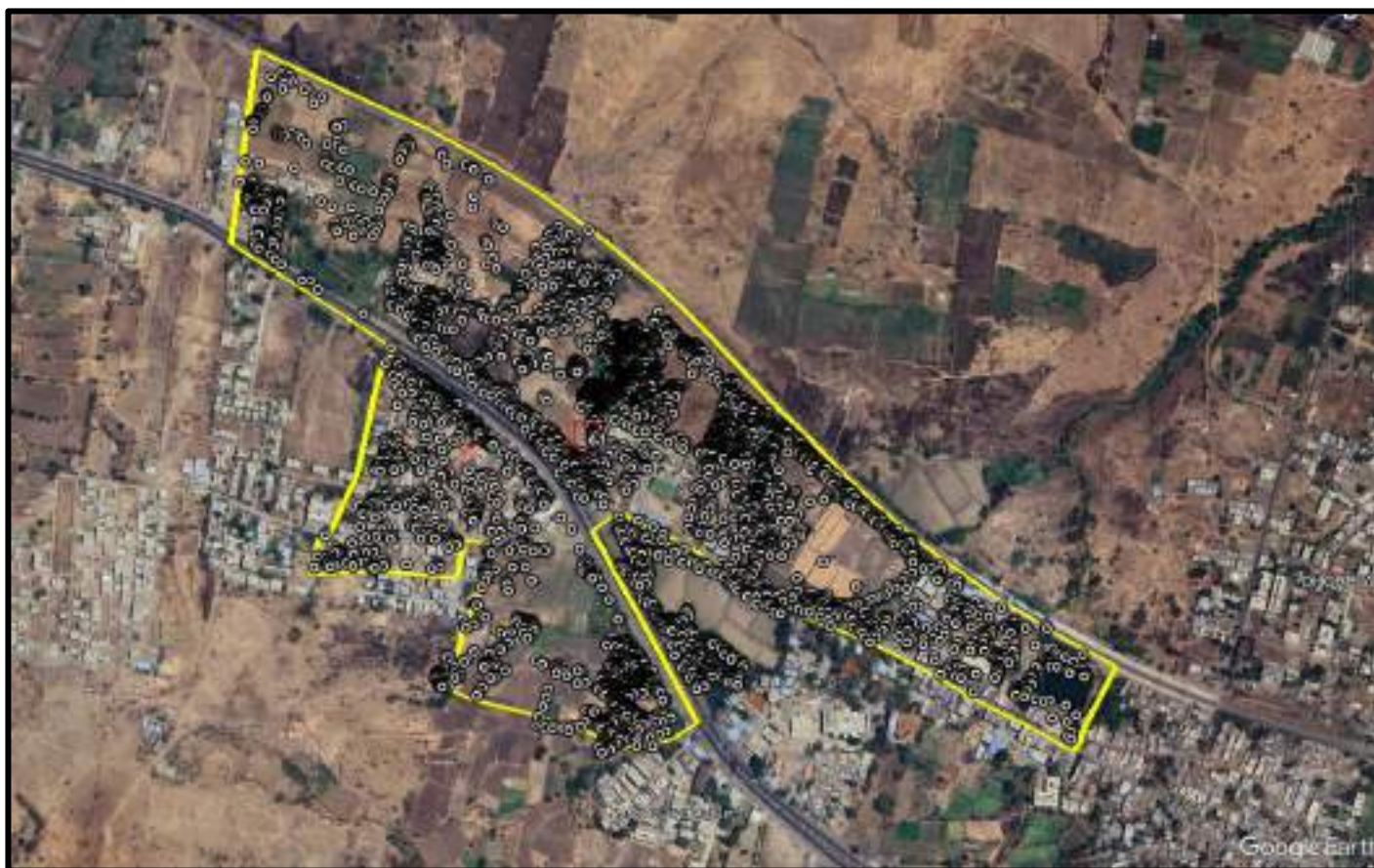
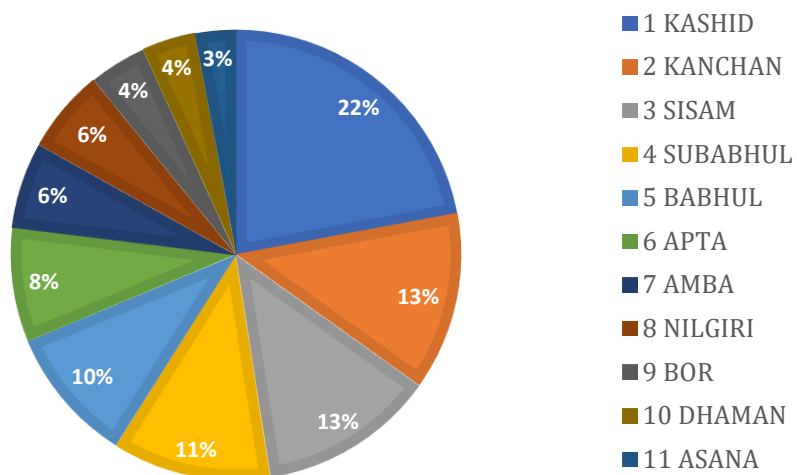


SL. NO	TREE NAME	TREE COUNT
1	AKASHNEEM	5
2	ALL SPICE TREE	5
3	AMBA	49
4	APTA	4
5	ASHOK	1
6	ASUPALAV (D)	19
7	ASUPALAV (S)	17
8	AVLA	2
9	BABHUL	40
10	BEL	2
11	BHEND	2
12	BHOKAR	5
13	BOR	10
14	BOTTLE PALM	3
15	CHANDAN	5
16	CHAPHA	8
17	CHIKU	2
18	CHINCH	8
19	CHRISTMAS TREE	3
20	DESHI BADAM	8
21	DHAMAN	2
22	F. BENJAMIA	13
23	F. BENJAMIA VAR. NUDA	1
24	FISHTAIL PALM BHERLI MAD	26
66	FOREST TREE	15
25	GIRIPUSHPA	4
26	GULMOHAR	15
27	JAMBHUL	21
28	KADAMB	3
29	KADIPATTA	3
30	KADUNEEM	15
31	KARANJ	5
32	KASHID	103
33	KATESAVAR	3
34	KAVATH	1
35	KINAI	5

SL. NO	TREE NAME	TREE COUNT
36	LIMBU	4
37	MAYURPANKHI	1
38	NANDRUK	1
39	NARAL	14
40	NARINGI	1
41	NILGIRI	20
42	NILGIRI ©	1
43	NIRGUNDI	1
44	PAPANAS	1
45	PERU	14
46	PHANAS	6
47	PIMPAL	8
48	RAI AVLA	3
49	RAIN TREE	6
50	RAMPHAL	2
51	SAG	3
52	SAPTPARNI	2
53	SHEMAT	2
54	SHEVGA	25
55	SHINDI	8
56	SHIRISH	1
57	SILVER OAK	32
58	SISAM	7
59	SITAPHAL	20
60	SON CHAPHA	3
61	SONMOHAR	4
62	SUBABHUL	109
63	T. ARGENTEA	1
64	TUTI	1
65	UMBER	31
67	VAD	8
68	VILAYATI CHINCH	22
	TOTAL TREE COUNT	795

WARD NO 11

COMMONLY FOUND TREE IN WARD NO 11



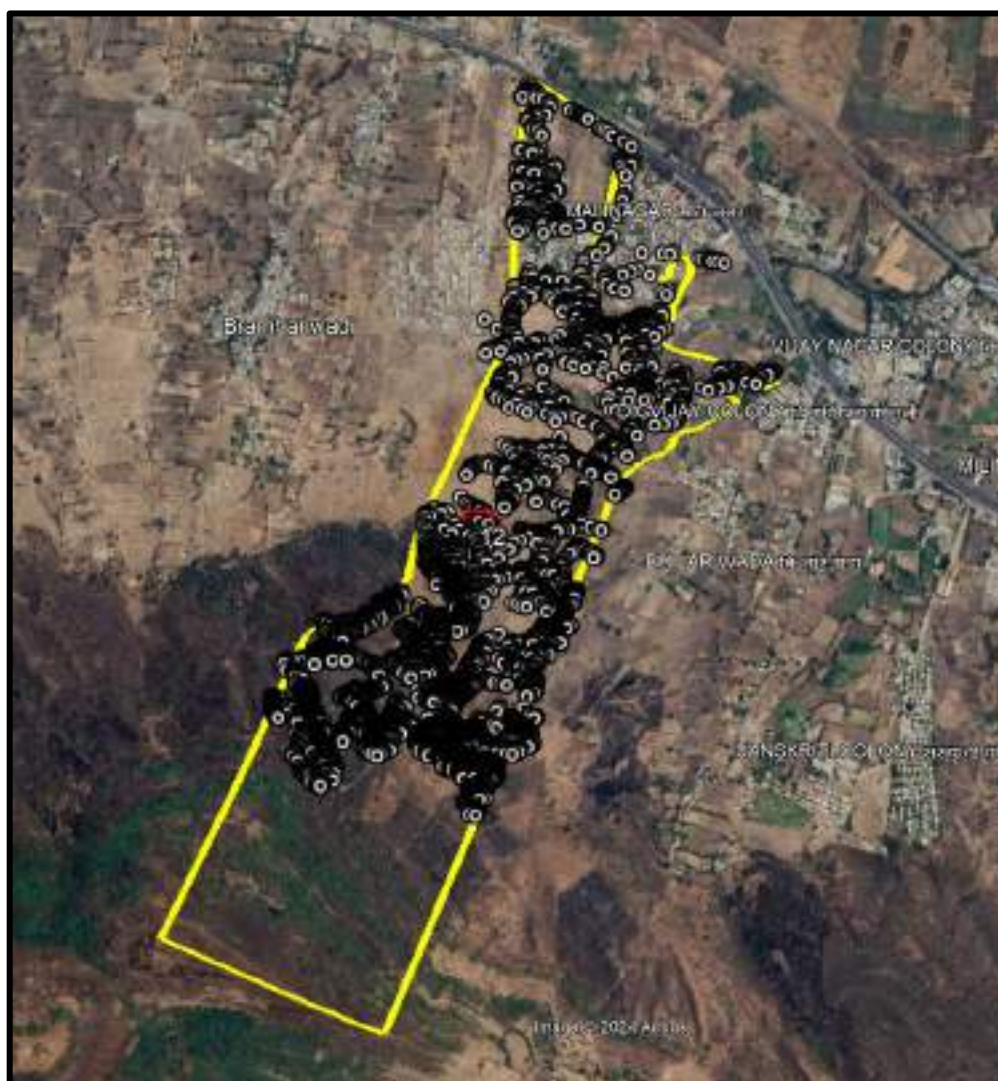
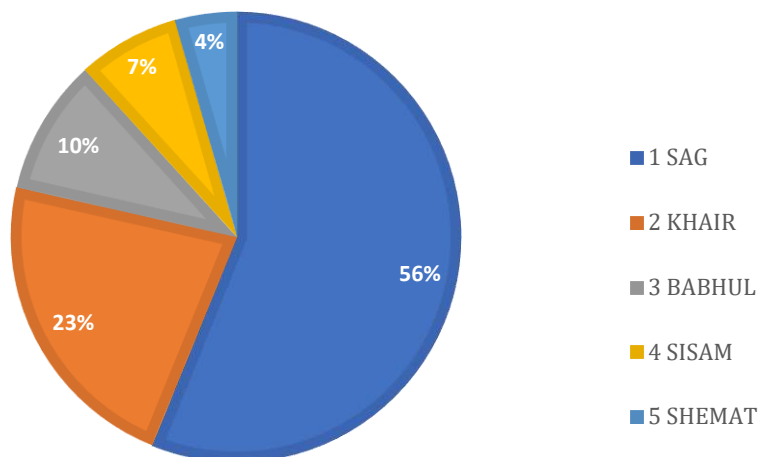
SL. NO	TREE NAME	TREE COUNT
1	AILANTHES TRIPHYSA	2
2	AKASHNEEM	1
3	ALL SPICE TREE	4
4	AMBA	248
5	ANKUL	3
6	APTA	330
7	ASANA	117
8	ASHOK	4
9	ASUPALAV (D)	15
10	ASUPALAV (S)	53
11	AVLA	8
12	BABHUL	393
13	BAHAVA	1
14	BAKUL	11
15	BEL	4
16	BHEND	26
17	BHOKAR	41
18	BITTI	1
19	BOR	165
20	BOTTLE BRUSH	3
21	BOTTLE PALM	17
22	CHANDA	2
23	CHANDAN	20
24	CHAPHA	9
25	CHIKU	23
26	CHINCH	44
27	CHRISTMAS TREE	3
28	DESHI BADAM	11
29	DEV BABHUL	1
30	DEV BABUL	2
31	DHAMAN	155
32	F. BENJAMIA	9
33	FAN PALM	1
34	FOREST TREE	83
35	FOXTAIL PALM	10
36	GELA	2
37	GULMOHAR	71
38	H. MAHOGANI	11
39	HIVAR	26
40	HUMB	2

SL. NO	TREE NAME	TREE COUNT
41	JAMB	2
42	JAMBHA	1
43	JAMBHUL	44
44	JUNGLI BADAM	3
45	KADAMB	10
46	KADIPATTA	5
47	KADUNEEM	68
48	KAKAD	10
49	KALA UMBER	1
50	KANCHAN	515
51	KARANJ	36
52	KASHID	886
53	KATESAVAR	29
54	KHAIR	61
55	KUMBH	1
56	LAL KHAIR	1
57	LIMBU	4
58	MAHOGANI	1
59	MARKHAMIA	1
60	MILLETTIA OVALIFOLIA	1
61	MOGALI ERAND	4
62	NARAL	64
63	NILGIRI	241
64	NIRGUNDI	10
65	PALM	1
66	PANDHARA KHAIR	1
67	PAYAR	1
68	PERU	52
69	PHANAS	24
70	PICHKARI	3
71	PIMPAL	15
72	RAIN TREE	38
73	RAM BABHUL	1
74	RAMPHAL	4
75	SAG	64
76	SAPTPARNI	8
77	SAVAR	1
78	SCARLET CORDIA	2
79	SHEMAT	80
80	SHEVGA	27

SL. NO	TREE NAME	TREE COUNT
81	SHINDI	13
82	SHIRISH	35
83	SILVER OAK	30
84	SINGAPORI CHERRY	3
85	SISAM	508
86	SITA ASHOK	1
87	SITAPHAL	10
88	SON CHAPHA	7
89	SONMOHAR	12
90	SUBABHUL	459
91	SURU	6
92	TABERNAEMONTANA HEYNEANE	1
93	TAMALPATRA	2
94	TEJPAN	1
95	TETRAMELIS	1
96	TETU	1
97	TUTI	1
98	UMBER	48
99	UMBRELLA TREE	1
100	VAD	22
101	VAVALA	5
102	VILAYATI CHINCH	38
103	WARAS	1
	TOTAL TREE COUNT	5459

WARD NO 12

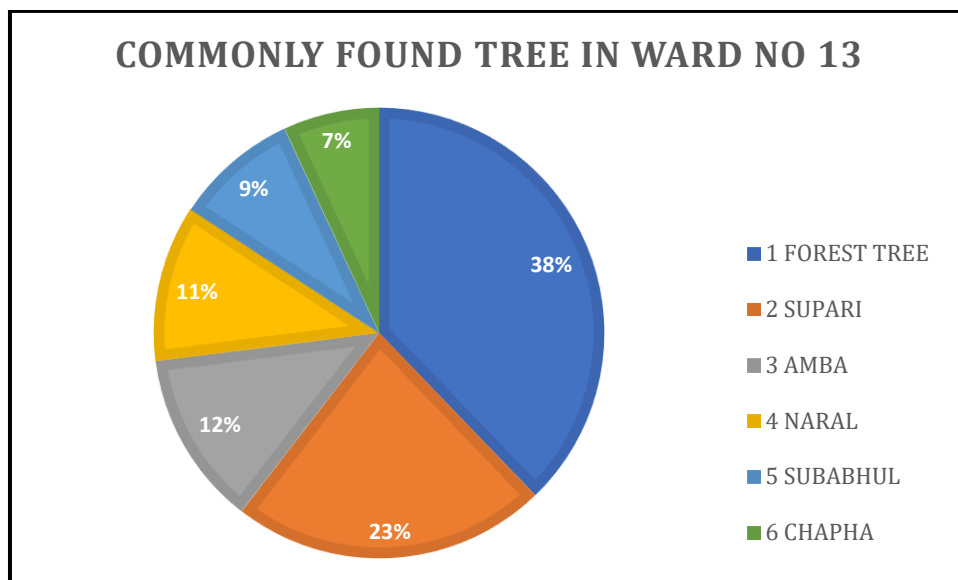
COMMONLY FOUND TREE IN WARD NO 12



SL. NO	TREE NAME	TREE COUNT
1	AKASHNEEM	1
2	AMBA	93
3	APTA	53
4	ASANA	87
5	ASUPALAV (D)	82
6	ASUPALAV (M)	5
7	ASUPALAV (S)	23
8	AVLA	8
9	BABHUL	866
10	BAMBHU	1
11	BHEND	11
12	BHOKAR	20
13	BOR	297
14	BOTTLE BRUSH	5
15	BOTTLE PALM	23
16	CHAPHA	49
17	CHAPHA (A)	1
18	CHAPHA (T)	1
19	CHIKU	6
20	CHINCH	8
21	DESHI BADAM	9
22	DEV BABHUL	13
23	FISHTAIL PALM BHERLI MAD	4
24	GULMOHAR	5
25	JAMBHUL	20
26	KADUNEEM	50
27	KALA UMBER	1
28	KANCHAN	27
29	KASHID	67
30	KATESAVAR	49
31	KHAIR	1993
32	KHIRNI	17
33	LAL CHAPHA	4
34	LAL KHAIR	2
35	LIMBU	1

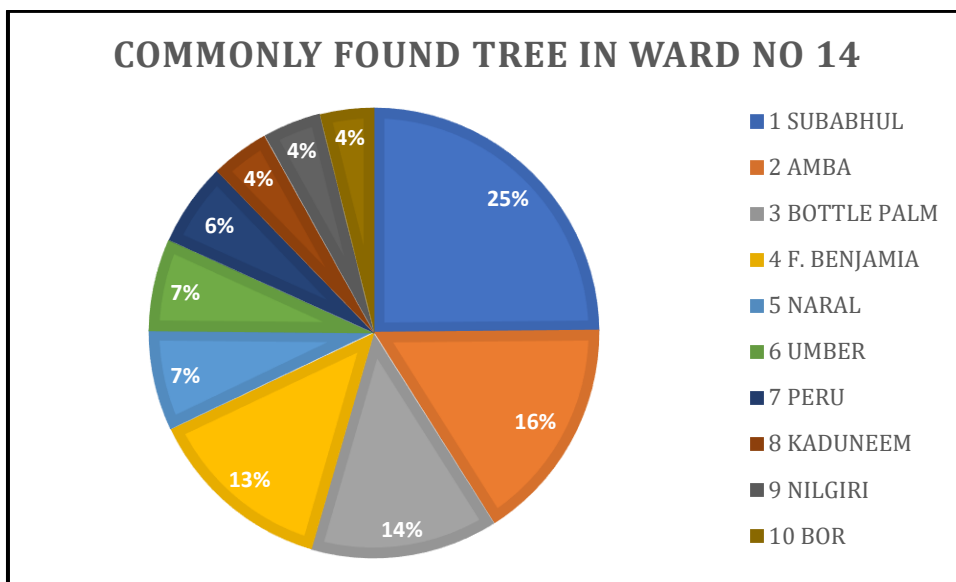
SL. NO	TREE NAME	TREE COUNT
36	NARAL	23
37	NILGIRI	12
38	NIRGUNDI	4
39	PANDHARA KHAIR	3
40	PERU	15
41	PHANAS	6
42	PICHKARI	24
43	PIMPAL	27
44	RAIN TREE	29
45	RAM BABHUL	1
46	SAG	4992
47	SAPTPARNI	4
48	SAUSAGE TREE	1
49	SHEMAT	389
50	SHEVGA	11
51	SHINDI	124
52	SILVER OAK	6
53	SISAM	653
54	SITAPHAL	2
55	SON CHAPHA	1
56	SONMOHAR	4
57	SUBABHUL	120
58	SURU	5
59	T. PENTAPHYLLA	33
60	UMBER	21
61	FOREST TREE	131
62	VAD	5
63	VILAYATI CHINCH	2
	TOTAL TREE COUNT	10550

WARD NO 13



SL. NO	TREE NAME	TREE COUNT
1	AMBA	116
2	ANJIR	1
3	ASANA	2
4	BABHUL	1
5	BHEND	8
6	BOR	9
7	CHANDAN	22
8	CHAPHA	64
9	CHARI	5
10	CHIKU	20
11	CHINCH	4
12	CHRISTMAS TREE	15
13	DALIMB	5
14	DESHI BADAM	9
15	DHAMAN	3
36	FOREST TREE	350
16	JAMBHUL	19
17	KADIPATTA	6
18	KADUNEEM	36
19	KAJU	1
20	LAL CHAPHA	8
21	LAL KHAIR	1
22	LIMBU	5
23	MAYURPANKHI	32
24	NARAL	104
25	PERU	17
26	PHANAS	6
27	RAIN TREE	1
28	RAMPHAL	1
29	SAG	18
30	SHEVGA	26
31	SITAPHAL	20
32	SON CHAPHA	1
33	SUBABHUL	82
34	SUPARI	210
35	UMBER	7
37	VAD	1
	TOTAL TREE COUNT	1236

WARD NO 14

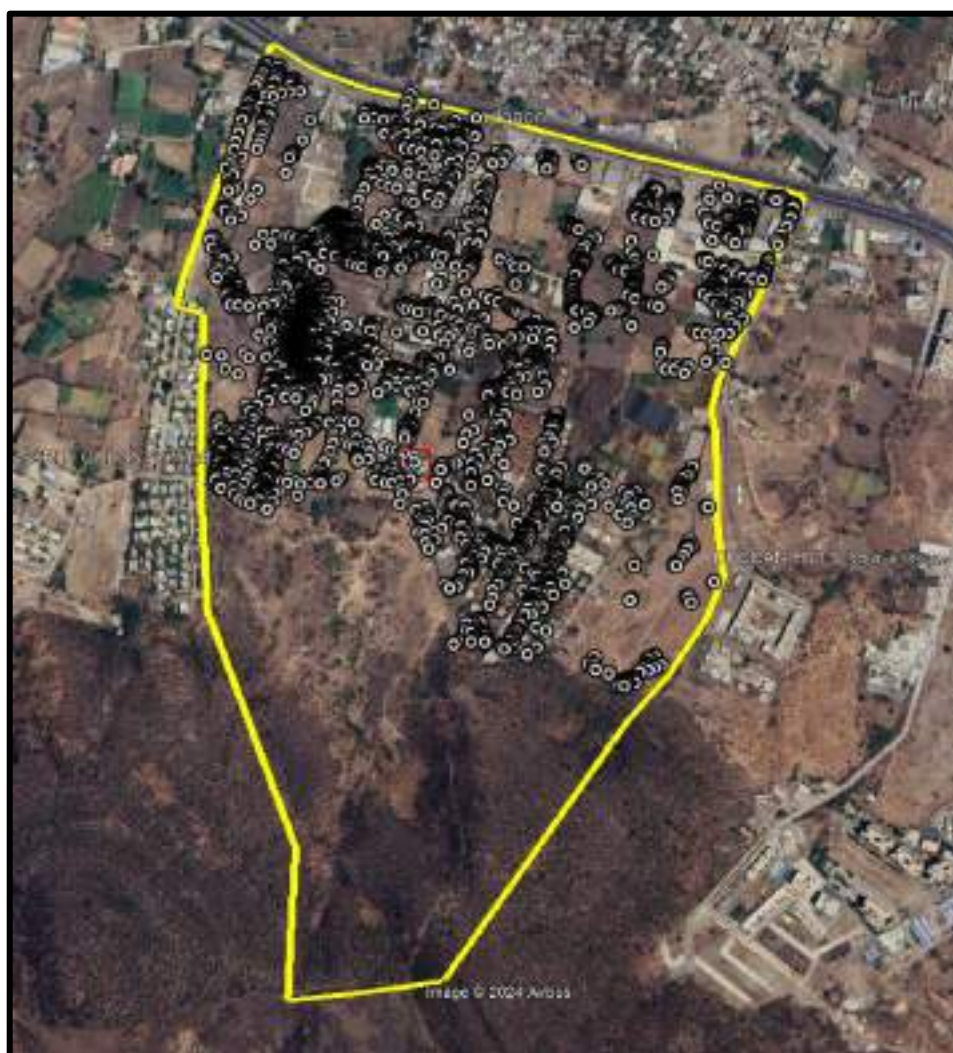
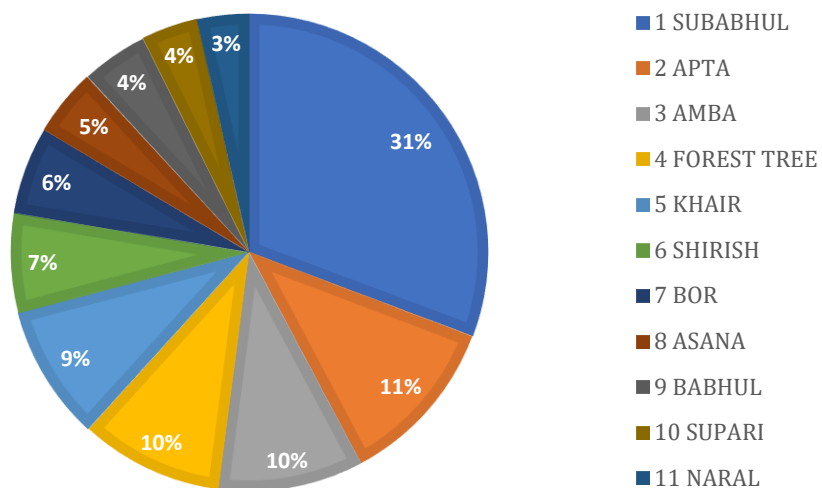


SL. NO	TREE NAME	TREE COUNT
1	AMBA	54
2	APTA	4
3	ARJUN	1
4	ASUPALAV (D)	4
5	AVLA	4
6	BABHUL	1
7	BAKNEEM	2
8	BEL	2
9	BHEND	9
10	BHOKAR	2
11	BOR	13
12	BOTTLE BRUSH	1
13	BOTTLE PALM	45
14	CHANDAN	1
15	CHENDUPHUL	1
16	CHIKU	6
17	CHINCH	4
18	CHRISTMAS TREE	1
19	DESHI BADAM	1
20	F. BENJAMIA	45
21	FOREST TREE	2
22	FOXTAIL PALM	5
23	GULMOHAR	3
24	JAMBHUL	11
25	KADIPATTA	2
26	KADUNEEM	14
27	KALA UMBER	1
28	KARANJ	9
29	KASHID	2
30	KATESAVAR	1
31	KHAIR	1
32	LIMBU	1
33	MAKAD LIMBU	1
34	MAYURPANKHI	2
35	NARAL	24

SL. NO	TREE NAME	TREE COUNT
36	NILGIRI	14
37	PAYAR	1
38	PERU	20
39	PHANAS	10
40	PIMPAL	6
41	PUTRANJIVA	2
42	RAI AVLA	3
43	RAIN TREE	3
44	RAMPHAL	1
45	SAG	3
46	SAPTPARNI	8
47	SHEMAT	1
48	SHEVGA	7
49	SHIVAN	1
50	SISAM	5
51	SITAPHAL	11
52	SON CHAPHA	2
53	SONMOHAR	2
54	SUBABHUL	83
55	UMBER	22
56	VAD	2
57	VILAYATI BABHUL	5
58	VILAYATI CHINCH	4
59	WARAS	5
	TOTAL TREE COUNT	501

WARD NO 15

COMMONLY FOUND TREE IN WARD NO 15



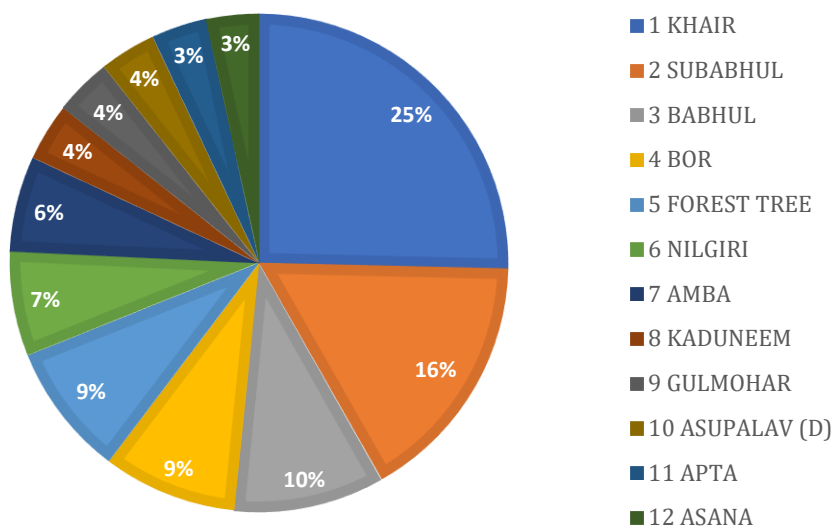
SL. NO	TREE NAME	TREE COUNT
1	AIN	7
2	AMBA	331
3	ANJIR	2
4	APTA	386
5	ASANA	154
6	ASUPALAV (D)	10
7	ASUPALAV (S)	6
8	AVLA	9
9	BABHUL	151
10	BAMBHU	1
11	BEL	4
12	BHEND	52
13	BHOKAR	7
14	BOR	200
15	BOTTLE BRUSH	10
16	BOTTLE PALM	1
17	CASSIA NODOSA	1
18	CHANDA	2
19	CHANDAN	31
20	CHAPHA	27
21	CHAPHA (A)	2
22	CHAPHA (O)	1
23	CHARI	5
24	CHIKU	40
25	CHINCH	17
26	CHRISTMAS TREE	16
27	DESHI BADAM	16
28	DEV BABUL	4
29	DHAMAN	86
30	F. BENJAMIA	14
31	FISHTAIL PALM BHERLI MAD	4
32	FOREST TREE	326
33	FOXTAIL PALM	2
34	GULMOHAR	14
35	HADAGA	2

SL. NO	TREE NAME	TREE COUNT
36	HIRVA CHAPHA	6
37	HIVAR	1
38	JAMB	1
39	JAMBHUL	38
40	JUNGLI BADAM	1
41	KADAMB	4
42	KADIPATTA	10
43	KADUNEEM	76
44	KAJU	1
45	KAKAD	1
46	KANCHAN	47
47	KARVAT	2
48	KASHID	23
49	KATESAVAR	18
50	KHAIR	308
51	KUDA	1
52	LAL KHAIR	1
53	LIMBU	7
54	MAKAD LIMBU	1
55	MAYURPANKHI	23
56	MEDSHING	1
57	NARAL	117
58	NILGIRI	5
59	NIRGUNDI	17
60	PANGARA	5
61	PARIJATAK	1
62	PERU	39
63	PHANAS	32
64	PICHKARI	5
65	PIMPAL	28
66	POTKA SHIRISH	1
67	RAIN TREE	11
68	RAMPHAL	4
69	SAG	95
70	SHEMAT	91

SL.NO	TREE NAME	TREE COUNT
71	SHEVGA	88
72	SHINDI	2
73	SHIRISH	225
74	SHIVAN	1
75	SILVER OAK	3
76	SISAM	89
77	SITAPHAL	19
78	SON CHAPHA	3
79	SONMOHAR	1
80	SUBABHUL	1033
81	SUPARI	130
82	SURU	4
83	TAMAN	6
84	TUTI	7
85	UMBER	26
86	VAD	9
87	VAVALA	1
	TOTAL TREE COUNT	4610

WARD NO 16

COMMONLY FOUND TREE IN WARD NO 16



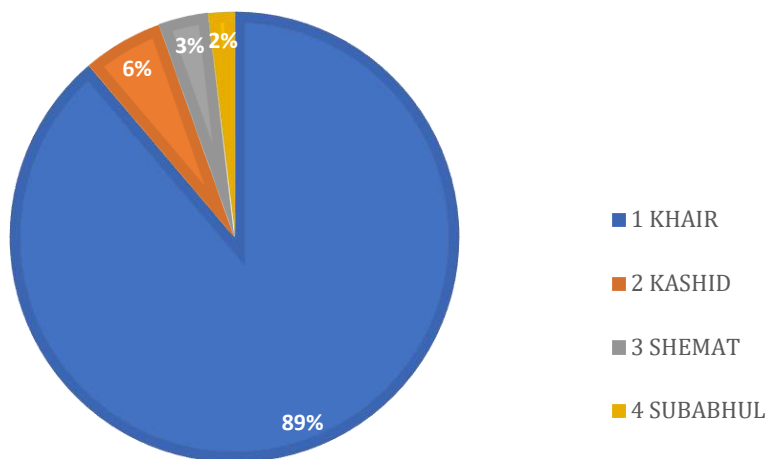
SL. NO	TREE NAME	TREE COUNT
1	AGASTI	1
2	AKASHNEEM	14
3	ALU	1
4	AMBA	310
5	ANJAN	2
6	APTA	181
7	ASANA	169
8	ASHOK	30
9	ASUPALAV (D)	183
10	ASUPALAV (M)	51
11	ASUPALAV (S)	23
12	AVLA	21
13	BABHUL	492
14	BAHAVA	3
15	BAKNEEM	1
16	BEL	1
17	BERRYA CORDIFOLIA	1
18	BHEND	12
19	BHOKAR	10
20	BOR	437
21	BOTTLE BRUSH	28
22	BOTTLE PALM	102
23	CHANDAN	70
24	CHAPHA	59
25	CHAPHA (A)	1
26	CHIKU	20
27	CHINCH	9
28	CHIRA	3
29	CHRISTMAS TREE	1
30	DALIMB	2
31	DESHI BADAM	60
32	DEV BABUL	1
33	DHAMAN	18
34	F. BENJAMIA	46
35	FISHTAIL PALM BHERLI MAD	7

SL. NO	TREE NAME	TREE COUNT
36	FOREST TREE	433
37	GELA	7
38	GOLDEN BRUSH	3
39	GULMOHAR	186
40	GUSTAVIA	1
41	HIVAR	39
42	JAMB	2
43	JAMBHA	1
44	JAMBHUL	63
45	JUNGLI BADAM	3
46	KADAMB	6
47	KADIPATTA	4
48	KADUNEEM	188
49	KAJU	1
50	KANCHAN	13
51	KARANJ	64
52	KASHID	12
53	KATESAVAR	31
54	KAVAS	1
55	KHAIR	1273
56	KHIRNI	3
57	LAL KHAIR	7
58	LIMBU	2
59	NARAL	60
60	NILGIRI	342
61	NILGIRI ©	33
62	NIRGUNDI	14
63	NIRPHANAS	2
64	PANDHARA KHAIR	1
65	PERU	103
66	PHANAS	18
67	PICKKARI	43
68	PIMPAL	37
69	RAIN TREE	117
70	RAMPHAL	2

SL. NO	TREE NAME	TREE COUNT
71	SAG	101
72	SAPTPARNI	40
73	SCARLET CORDIA	8
74	SHEMAT	101
75	SHEVGA	38
76	SHINDI	11
77	SHIRISH	7
78	SILVER OAK	106
79	SISAM	129
80	SITAPHAL	16
81	SON CHAPHA	28
82	SONMOHAR	24
83	SUBABHUL	824
84	SURU	9
85	T. PENTAPHYLLA	17
86	TEJPAN	1
87	TUTI	23
88	UMBER	37
89	UMBRELLA TREE	8
90	VAD	2
91	VILAYATI CHINCH	7
	TOTAL TREE COUNT	7022

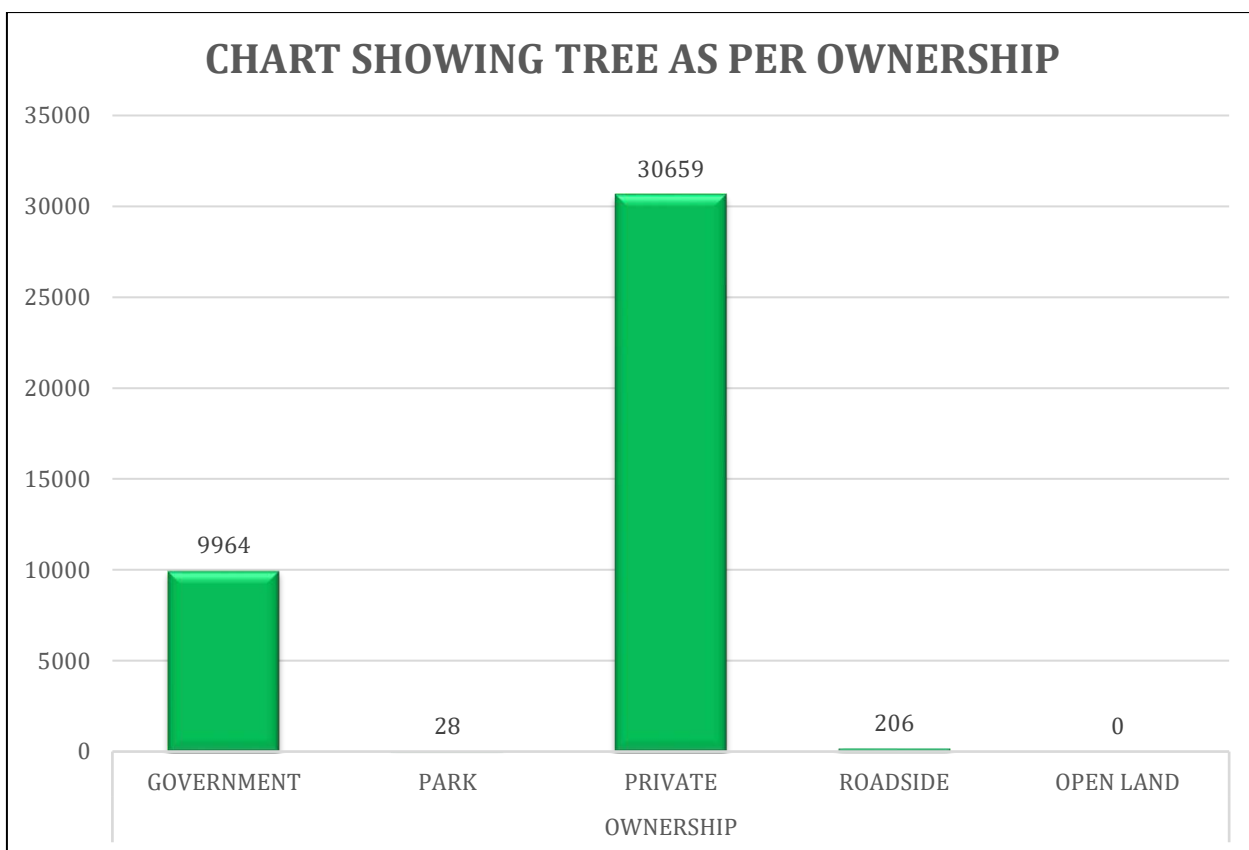
WARD NO 17

COMMONLY FOUND TREE IN WARD NO 17



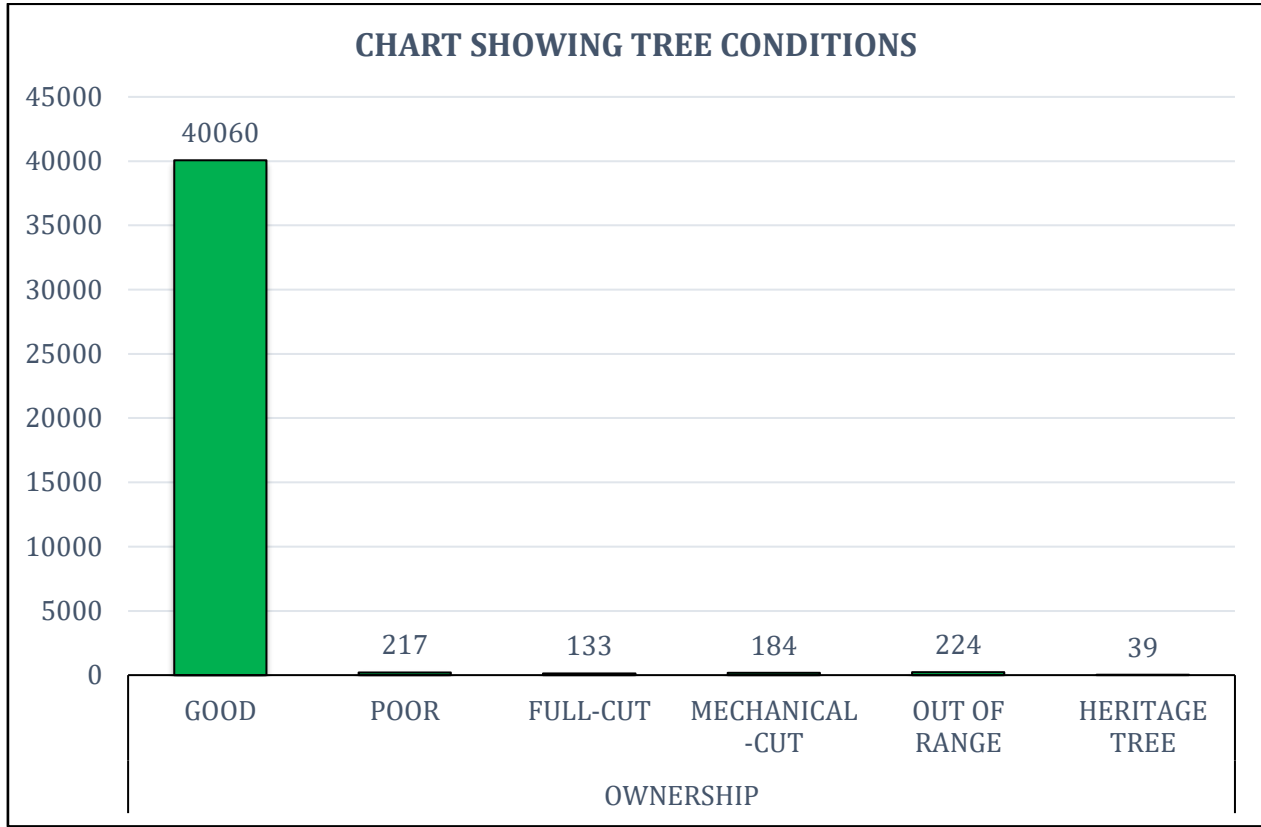
SL. NO	TREE NAME	TREE COUNT
1	AMBA	5
2	APTA	11
3	ASANA	7
4	ASUPALAV (M)	2
5	AVLA	1
6	BABHUL	6
7	BOR	39
8	BOTTLE BRUSH	3
9	DESHI BADAM	1
10	FOREST TREE	16
11	JAMBHUL	1
12	KADUNEEM	22
13	KASHID	363
14	KATESAVAR	9
15	KHAIR	5568
16	LAL KHAIR	2
17	NARAL	4
18	PERU	1
19	PIMPAL	6
20	RAIN TREE	2
21	SAG	3
22	SHEMAT	225
23	SHEVGA	42
24	SISAM	51
25	SUBABHUL	116
26	UMBER	1
	TOTAL TREE COUNT	6507

WARD WISE OWNERSHIP WISE SUMMARY



WARD NO	OWNERSHIP					GRAND TOTAL
	GOVERNMENT	PARK	PRIVATE	ROADSIDE	OPEN LAND	
1	0	0	2206	1	0	2207
3	0	0	398	25	0	423
4	0	0	166	0	0	166
5	0	0	41	0	0	41
6	24	0	341	0	0	365
7	0	0	549	20	0	569
8	0	0	115	0	0	115
9	17	0	274	0	0	291
10	513	0	281	1	0	795
11	1624	0	3831	4	0	5459
12	7480	0	2926	144	0	10550
13	0	0	1236	0	0	1236
14	0	0	501	0	0	501
15	37	28	4534	11	0	4610
16	269	0	6753	0	0	7022
17	0	0	6507	0	0	6507
TOTAL	9964	28	30659	206	0	40857

WARD WISE CONDITION WISE SUMMARY



WARD NO	OWNERSHIP						GRAND TOTAL
	GOOD	POOR	FULL-CUT	MECHANICAL -CUT	OUT OF RANGE	HERITAGE TREE	
1	2199	0	8	0	0	0	2207
3	404	16	0	3	0	0	423
4	150	0	0	13	0	3	166
5	41	0	0	0	0	0	41
6	351	0	14	0	0	0	365
7	545	0	2	8	11	3	569
8	111	0	3	1	0	0	115
9	286	0	0	4	0	1	291
10	714	14	0	5	61	1	795
11	5404	9	2	1	43	0	5459
12	10345	152	22	8	0	23	10550
13	1236	0	0	0	0	0	1236
14	487	0	0	6	0	8	501
15	4439	5	4	102	60	0	4610
16	6877	21	42	33	49	0	7022
17	6471	0	36	0	0	0	6507
TOTAL	40060	217	133	184	224	39	40857

VADGAON TREE CENSES PHOTOS



Tree Name - Amba



Tree Name - Subabhul



Tree Name -Khair



Tree Name -Khair



Tree Name - Bor



Tree Name - Bor



Tree Name - Babhul



Tree Name - Amba



Tree Name - Asupalav (D)



Tree Name - Apta



Tree Name - Rain tree



Tree Name - Apta



Tree Name - Kaduneem



Tree Name - Bottle brush



Tree Name - Naral



Tree Name - Amba



Tree Name - T. pentaphylla



Tree Name - Chiku



Tree Name - Phanas



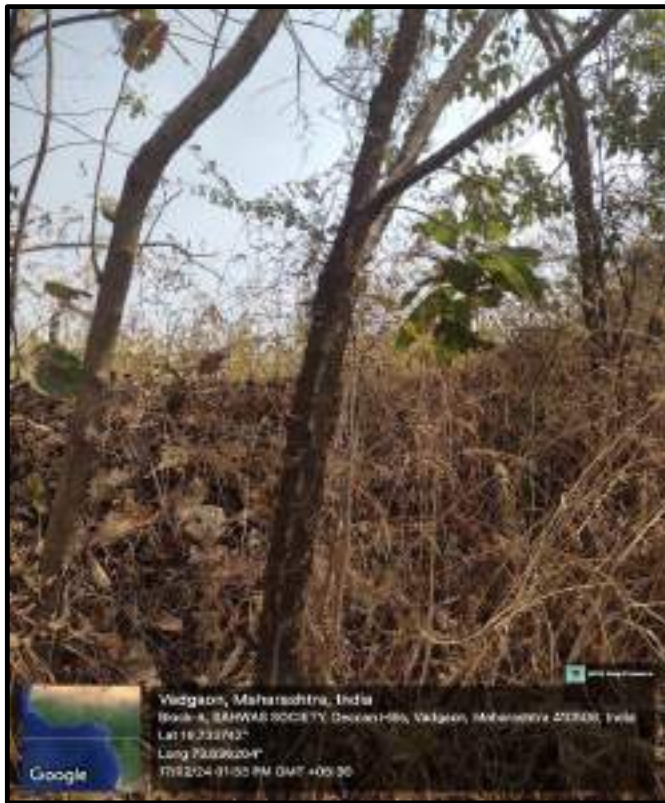
Tree Name - Kaduneem



Tree Name - Sag



Tree Name - Kanchan



Tree Name - Asana



Tree Name - Babhul



Tree Name - Nilgiri



Tree Name - Bhend



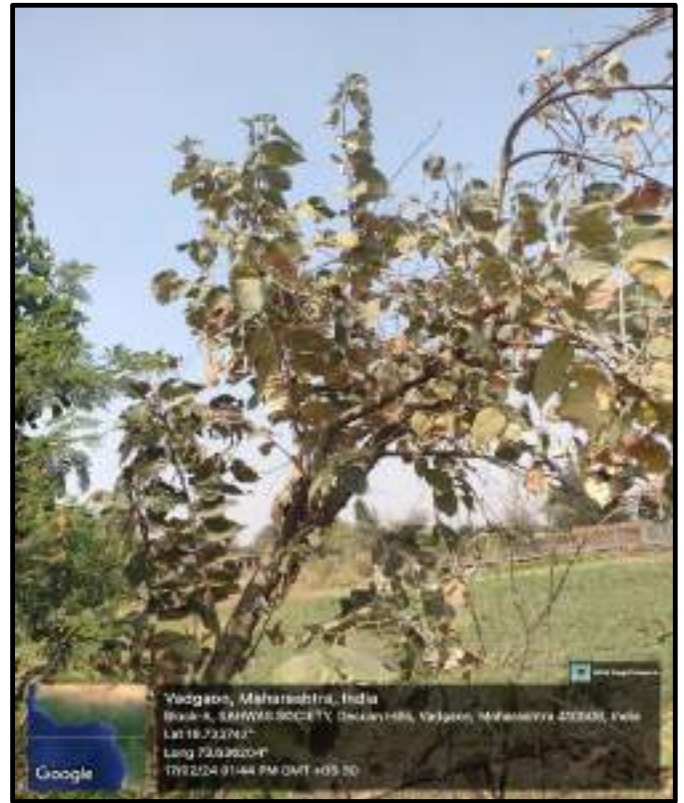
Tree Name - Pichkari



Tree Name - Sisam



Tree Name - Bhend



Tree Name - Sag



Tree Name - Shirish



Tree Name - Kashid



Tree Name - Sonmohar



Tree Name - Umber



Tree Name - Gulmohar



Tree Name - Subabhul



Tree Name - Limbu



Tree Name - Chapha



Tree Name - Mayurpankhi



Tree Name - Supari



Tree Name - Christmas tree



Tree Name - Peru



Tree Name - Babhul



Tree Name - Shindi



Tree Name - Pandhara khair



Tree Name - Bhokar



Tree Name - Kashid



Tree Name - Kashid



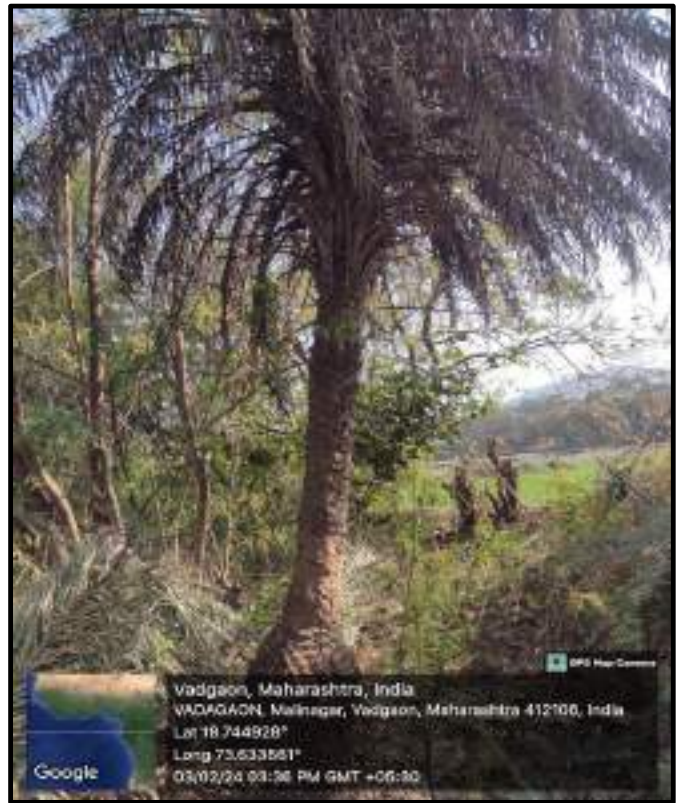
Tree Name - Shirish



Tree Name - Pimpal



Tree Name - Nirgundi



Tree Name - Shindi



Tree Name - Sisam



Tree Name - F. benjamia



Tree Name - Rai avla



Tree Name - Chinch



Tree Name - Umber



Tree Name - Jambhul



Tree Name - Tuti



Tree Name - Vilayati chinch