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THE MAHARAJA
SAYAJIRAO UNIVERISTY
OF VADODARA

PICTORIAL FLORA, PLANT AWARENESS,
UPDATION OF FLORAL SAFARI AND
DIGITIZATION OF NEW COLLECTION AT
WAGHAI BOTANICAL GARDEN 2019-2020

Submission of Project Completion report

For

**Pictorial Flora, Plant Awareness, Updation of Floral Safari and
Digitization of New Collection at Waghai Botanical Garden
2019-2020**

Submitted to

**Mr. Dinesh Rabari (GFS), in charge DCF,
South Dang Forest Division,
Ahwa-Dangs.**

By

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Vadodara- 390001, Gujarat.**

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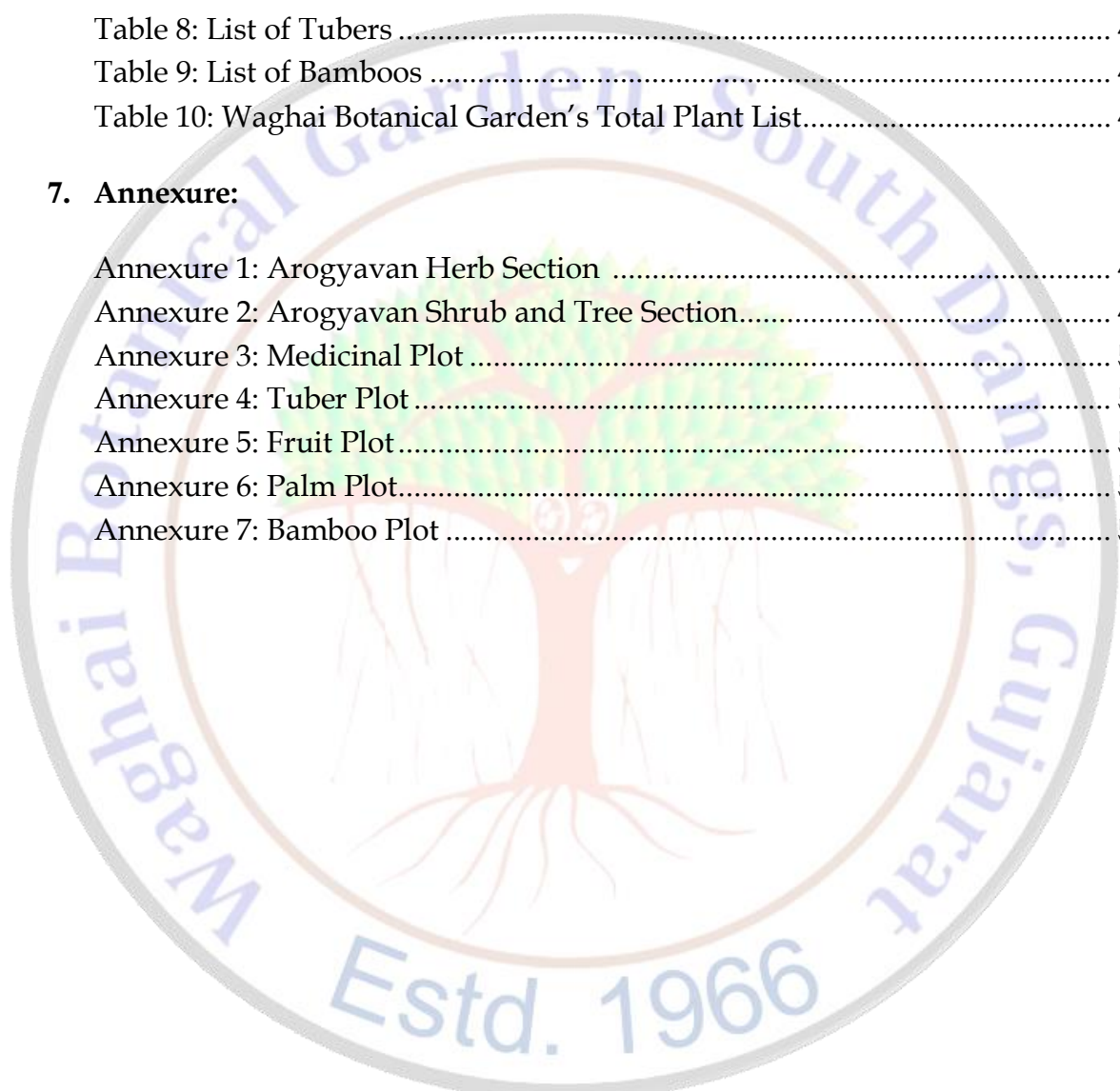
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1. Genral Information:

- ❖ **Project Title:** Pictorial Flora, Plant Awareness, Updation of Floral Safari And Digitization Of New Collection At Waghai Botanical Garden 2019-2020
- ❖ **Principal investigator/consultant:** Dr. Padamnabhi S. Nagar
- ❖ **Research Team:** Mr. Roshan Parmar, Mr. Krishnasinh Rajput
- ❖ **Brief Scientific Summary of the project:** Wagahi Botanical Garden is one of the major plant diversity treasures having exclusive plants from all over country and world. As Assumed, there are more than 1400 plant species present in the garden. In the detail studies during Project Phase-1,2 and 3 a total of **905** plant species were collected and identified based on there morphological and phenological characters. From habitat perspective there are 315 Herbs, 100 are Shrub, 264 Tress, and 56 climbers, 24 Tubers, 21 Bamboos, 17 Palms, 19 Ornamentals, 89 Cacti and Succulant were collected and documented.
- ❖ **Duration:** 6 month
- ❖ **Date of Completion:** March 2020
- ❖ **Institute:** The Maharaja Sayajirao University of Baroda
- ❖ **Division:** Faculty of Science
- ❖ **Department:** Botany
- ❖ **Discipline:** Plant Taxonomy
- ❖ **Garden Botanist:** Miss Pallavi Patel & Miss Ankita Thorat

1.1 Objectives of the project:

- ❖ **Plant Awareness:** We will develop different guiding scheme for the visitors of Waghai Botanical garden to develop awareness of plants among them.
- ❖ **Pictorial Guide:** Based on earlier research and experience pictorial and present knowledge flora of Waghai Botanical Garden covering herbs, shrub, trees, climbers and ornamentals will be prepared.
- ❖ **Plant Digitization, Floral Safari Software update:** Upgradation of the existing e-Herbaria, floral safari application based on prevailing new addition of plant species.

SITE SPECIFICATION:

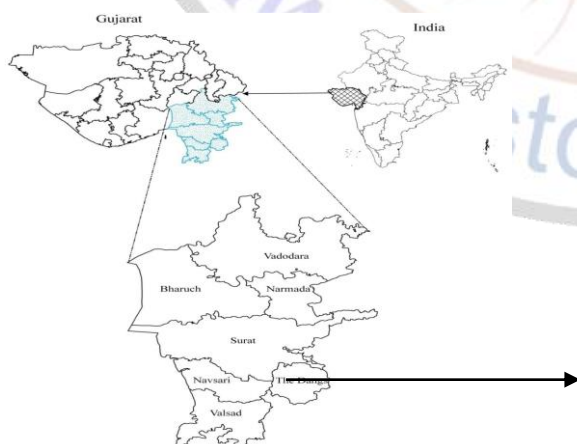


Fig: 1. Map of Study area



Fig: 2. Field image of Waghai Botanical Garden

2. INTRODUCTION

South Gujarat has the highest plant diversity in Gujarat. It is estimated there are more than 1300 plant species by (Tadvi, 2015). It represents the deciduous and evergreen flora of Gujarat. As per recent report on Status of Rare Endangered and Threatened plant of Gujarat, out of 26 plants, 15 plants were exclusively found in southern part of Gujarat. This region is known for highest diversity of not only the endemic and medicinal plants but also for rare threatened and endangered plants too. It comprises the region below to the river Tapi and spreads between 72°40'18" – 21°27'15" E longitude & 20°04'12" -74°02'59" N latitude and covers an area of 14,820.26 sq. km.

Waghai Botanical Garden is unique floristic hot spot, situated in the southern part of Gujarat. There are more than 7 major Botanical garden in Gujarat state, among them Waghai Botanical Garden is considered as one of the leading Botanical garden of the state It is located around 2 km from Waghai town in to the Dang District. The garden was established in 1966 and spreads in 24 hactor between 20° 45'.100 N - 73° 30.031'E, longitude 20° 45'.365'N - 73° 29.788'E latitude.

Waghai Botanical gardens has developed and flourished through a long tradition of exchanging, studying, displaying and conserving plants from the last few years. It serves as a place of serenity and wonder for medical plants used by the tribals of dangs. Waghai Botanical Garden has 1200 plant species of which major collection is of Dr. R.I. Patel - An eminent Taxonomist of Gujarat. Dr. B.G.Vashi; and other collection includes of Dr. J.R.Parmar and Mr. K. L. Dubey's herbaria collection. Objective of the project was to identify and update the flora with their accepted names and document this unique flora in the Waghai Botanical Garden.

3. Project output:

- During the six month of project an extensive field work has been done. **344** plant specimens were Identified and documented with their authentic scientific name. Compilation of all 3 projects data has been done and total list of **924** plant species has been prepared.
- Pictorial Guide of Trees of Waghai Botanical Garden has been made and Launched it by CCF, Valsad Circle during Botany Fest-2020
- To increase plant awareness among common people Diiferent digital platforms have been made for Waghai Botanical Garden. They are Instagram, Facebook, and Twitter Pages of Waghai Botanical Garden.
- You tube page of Botany fest is also created which is directely connect to Waghai Botanical Garden. It also helpful for plant awareness.
- Instgram live show "The Tales from the Woods-Untold field story" is organized with eminent taxonomist of India in association with Waghai Botanical Garden. This creat more awerness towards plants in common people.
- Development of existing Website of Waghai Botanical Garden is also carried out to make it more informative and interesting.

- Existing Android Application Floral safari is also updated with new version. This new version shows details of Trees with their location in garden, Medicinal herbs, Ornamental plants, Cacti and Succulants, and Fruit plot.

3.1 Pictorial Guide:

Botanical gardens have an obvious and vital role to play in conserving plants but conservation cannot succeed without education. In the above context the booklet deals with some of the most unique flowering trees of Waghai Botanical Garden, Gujarat. There are 262 different types of Trees occurring at Waghai Botanical garden belonging to 60 families.

The book gives pictorial view of the trees of Waghai Botanical Garden (WBG) and their significance in scientific terms. Primarily the book deals with the two hundred and sixty two flowering trees belonging to sixty families of Waghai Botanical Garden with colorful plates, their scientific names, local names, and interesting facts. These are endemic or indigenous trees, introduced in the garden from various regions of India viz., Western Ghats, North East Himalayas, Eastern Ghats, and from other tropical countries. It will take you into the journey of wonders of trees.



Fig. 3 Pictorial guide front, back page, plant information pages

3.2 Plant Awareness:

Plants are the backbone of life on Earth. Today, however, plant communities around the world are under threat. Scientists estimate that at least 100,000 plants are threatened with extinction—that's more than one-third the total known species of plants on the planet! Education about the importance of plants and the need for their conservation is an important aspect of Botanical Garden.

On the basis of above context we created digital online Social Media platforms to create awareness among people about plants of Waghai botanical garden and Dang forest. These online Social Media platforms are Instagram, Facebook, Twitter and You tube, which are very popular in India. The Pages of Waghai botanical Gardens are created on this online Social Media platform. These pages are giving information about plants of Waghai botanical Garden with its details and good quality photographs. Details covers its ethenobotanical importance, medicinal uses and images shows flowers, fruits, seeds and leaves of the plants.

You Tube Page is created with the Name of Botany Fest 2020, Which is associated with Waghai Botanical Garden. This page shows videos related to Botany and plant awerness. The instagram live show “The Tales from the Woods-Untold field story” is organized with eminent taxonomist of India in association with Waghai Botanical Garden. This show is also broadcasted aon this you tube page, which increase the viewrs interest in plants and forest.

By use of these Social media platforms we create an interest of common people in the plant world and forest. Usefull information and images about plants is create awareness among the common people.

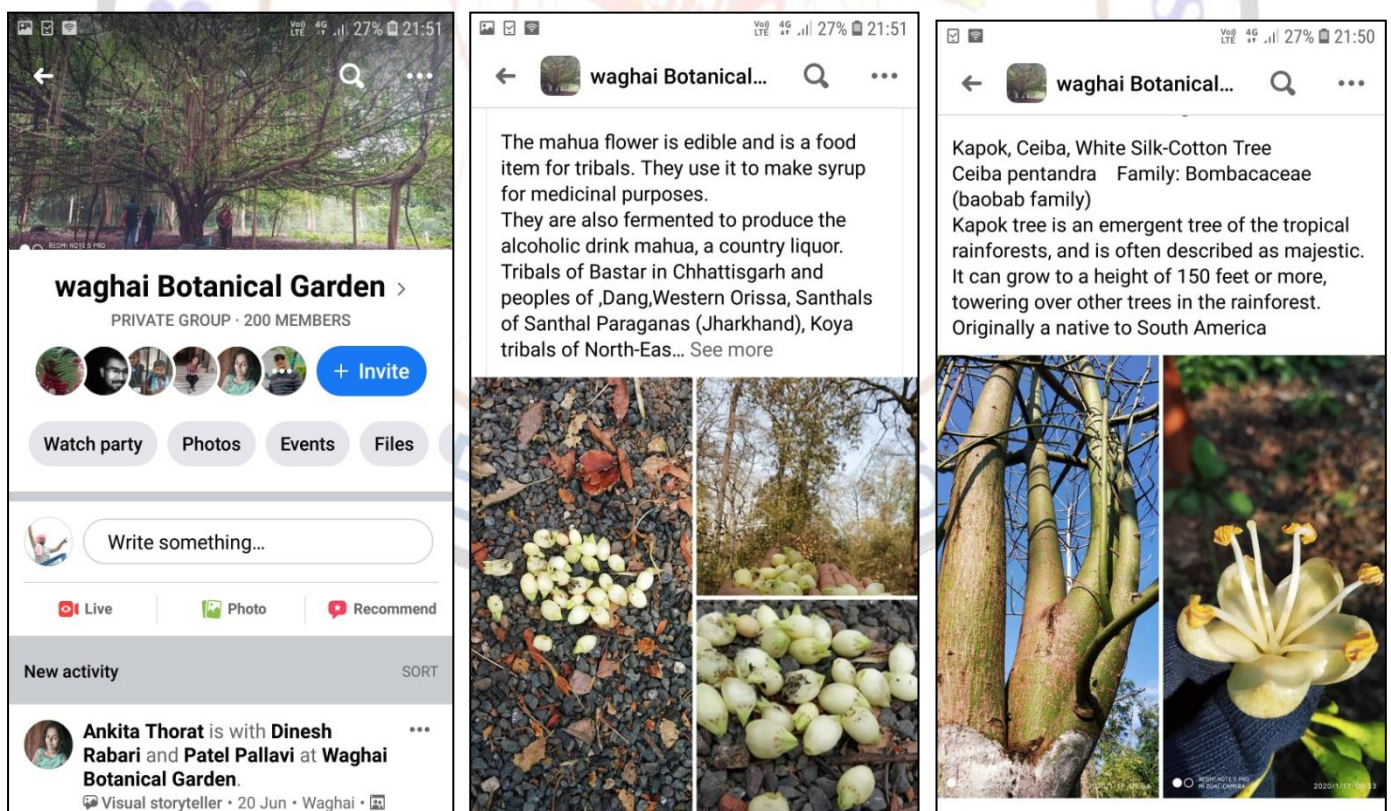


Fig. 4 Facebook Page of Waghai Botanical Garden

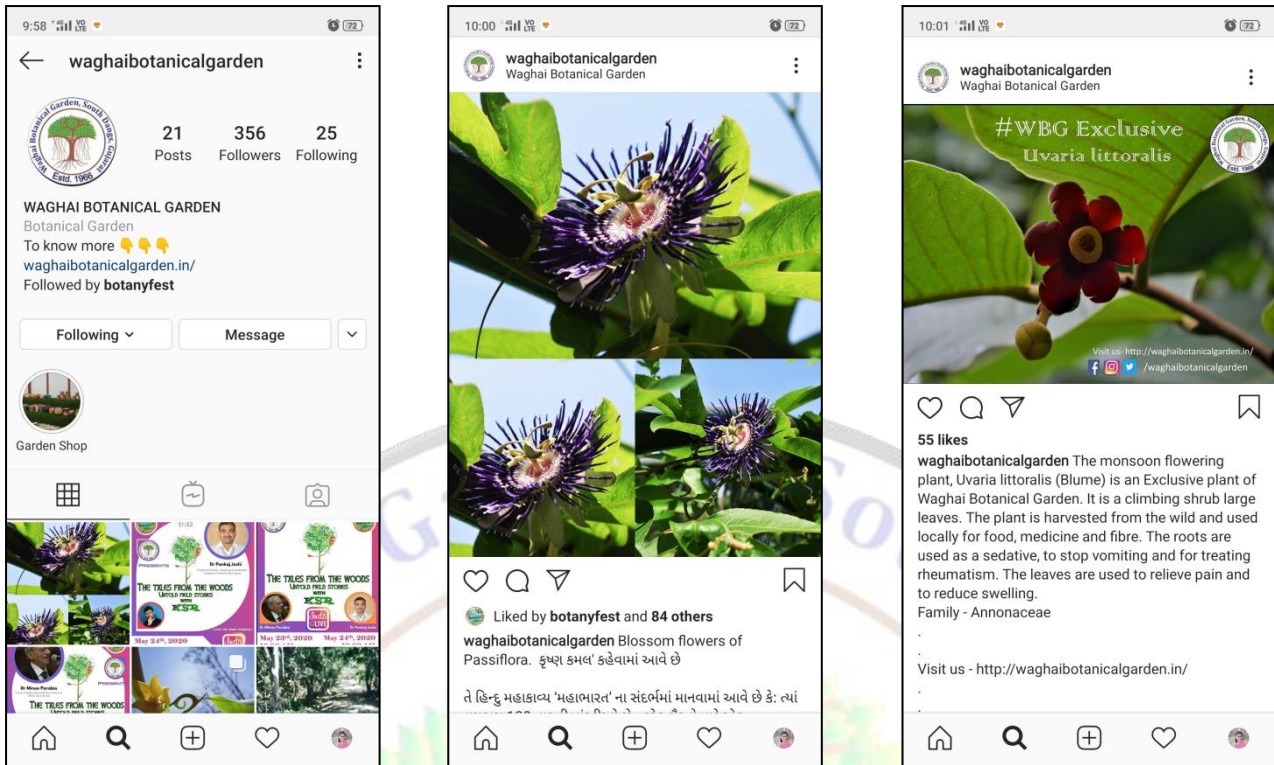


Fig. 5 Instagram page of Waghai Botanical Garden



Fig. 6 Twitter account of WBG



Fig. 7 Instagram Live show Present by Waghai botanical Garden

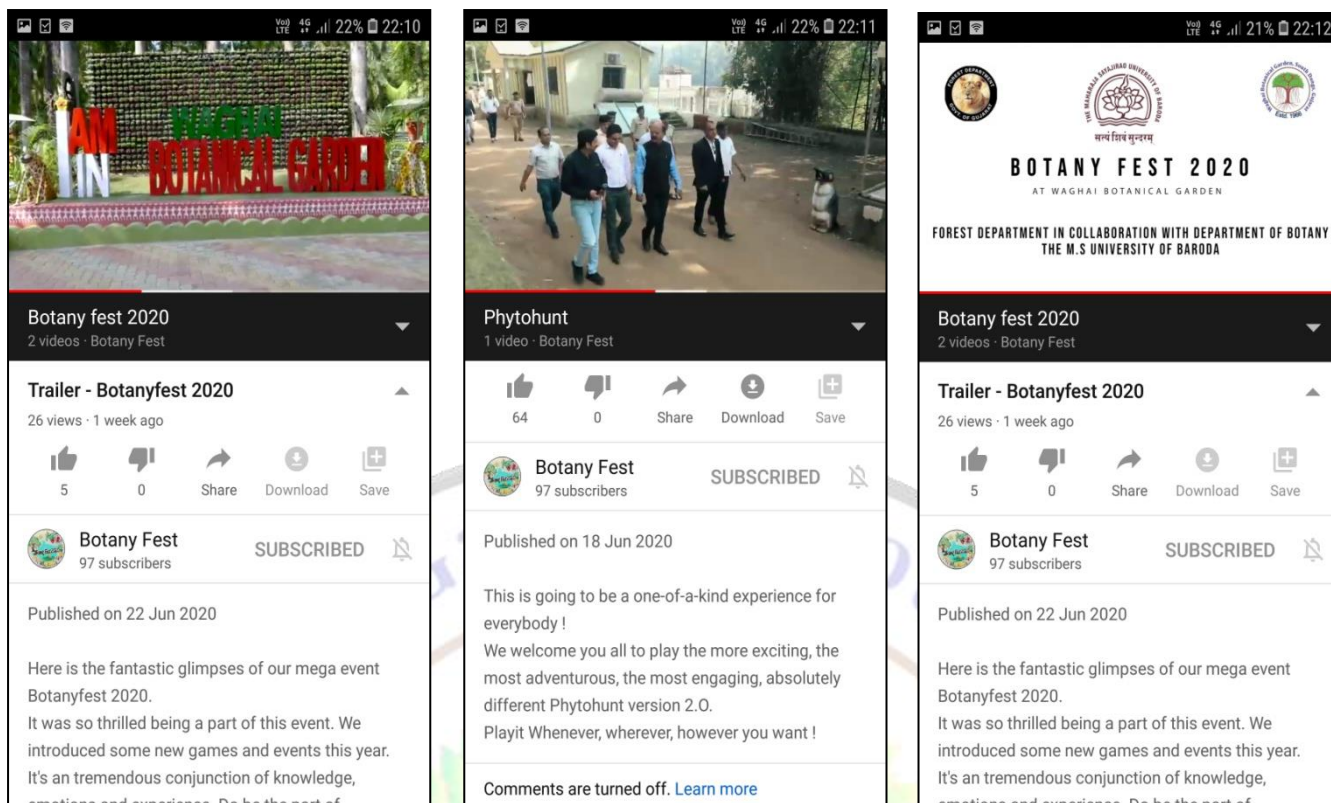


Fig. 8 You tube Channel Page of Botany Fest associated with Waghai Botanical Garden

3.3 Website Update: Upgradation of Details and Data on Waghai Botanical Garden website is also carried out. The Details of all plant plots with its images, new development and facilities with its images, reaserach papers and thesis related to plants, publications of Waghai Botanical Garden etc. are updated on website.

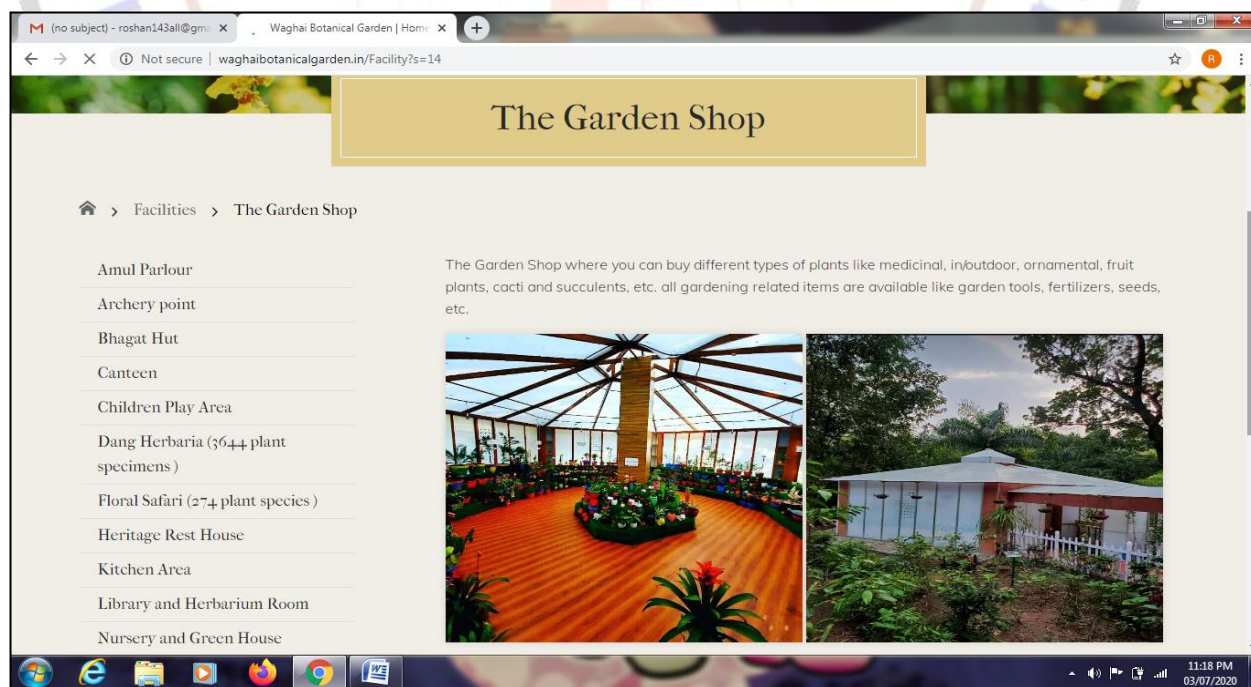


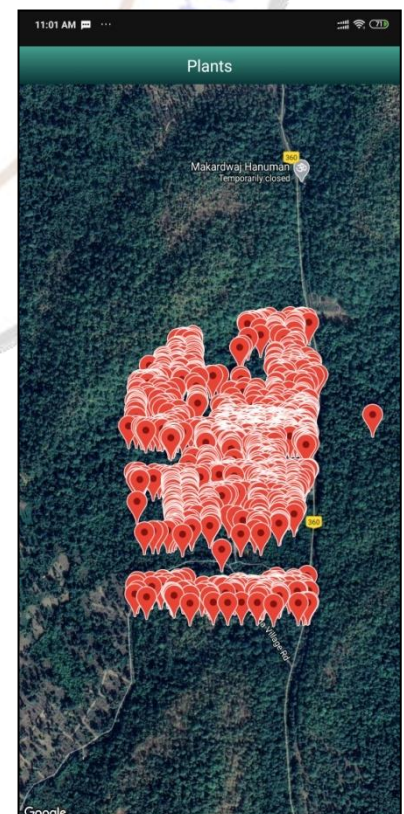
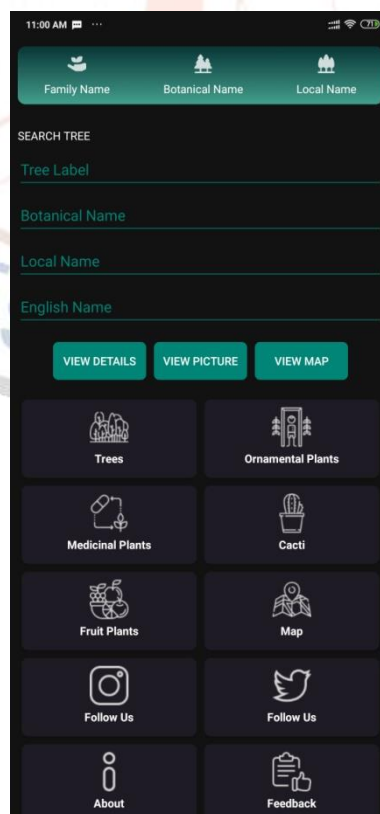
Fig. 9 Screen shot of Waghai Botanical Garden website

3.4 Floral Safari Software update: Floral Safari is plant detecting android base software Developed by Waghai Botanical Garden, Gujarat Forest Department Ahwa, South Dang in collaboration with Department of Botany, The Maharaja Sayjirao University of Baroda, Vadodara. It includes database of Trees and shrub plant species found in Waghai Botanical Garden. This software provides taxonomic information on plants with its photographs and geographical position with a single tag. It also provides scientific names, English names, vernacular names and plants utility which are very important and very use full in general.

Studies have been carried out since last 3 years on the plants of Waghai Botanical Garden. During Studies new trees, shrubs and herbs are identified. The garden development is also in progress and new plots have been developed with different plant species. The information of all the plant species is important for all students, researchers, forest officers and general public.

On the basis of above context the updation of Floral Safari is become essential. Thus Floral Safari version 2 is developed with more plant species details and with new features. The Folral Safari version 2 coverd 270 Trees, 50 Shrub, 119 Medicinal Plants, 89 Cacti and succulants, 82 ornamental plants and 29 fruting plant information. The design of softwar is completely changed to make it user friendly. The other updation is that you can see the trees and shrub species in the Waghai botanical garden map on this application. By opening map in the application you get all the locations of tree and shrub species and you can reach to that particular plant by navigation. All plant species locations are pop up on the screen and by touch one location you get the information of plant present at that location. Social media pages of Waghai Botanical Garden, like Instagram, Facebook and twitters link are also added in this softwar. By opening and following users can get regular information regarding plants of Waghai Botanical Garden.

Feedback facilitie is also added in new Updation of floral safari application. Users can give feedback or suggestion to the authority regarding Waghai botanical Garden. The New version 2 is more informative and user friendly and will help to explore the plant species of Waghai Botanical Garden.



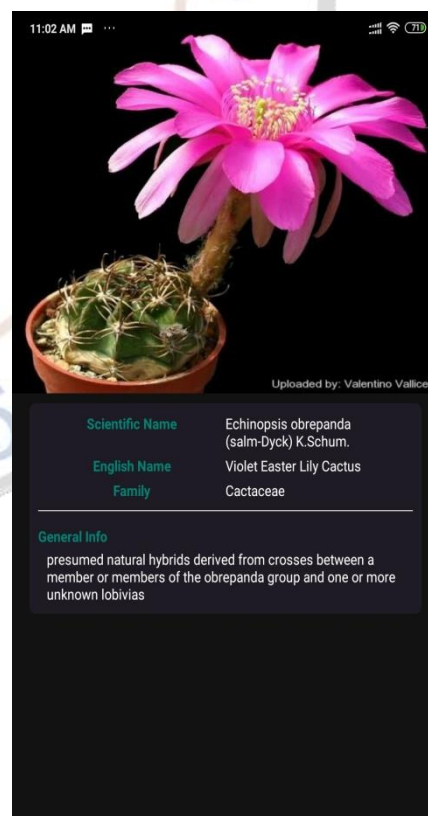
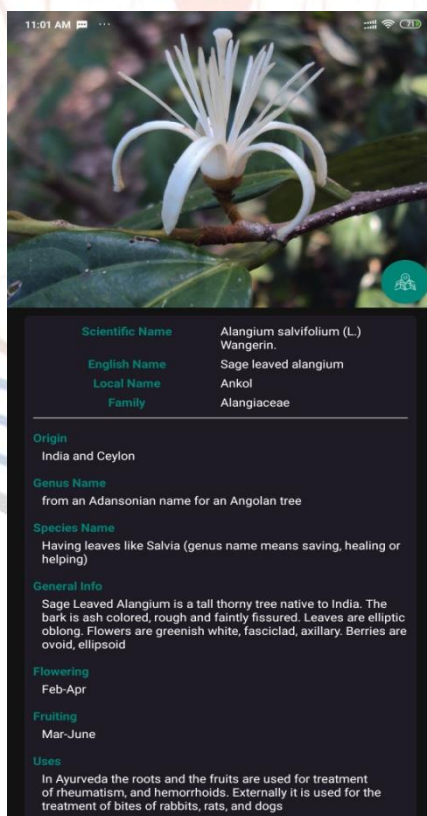
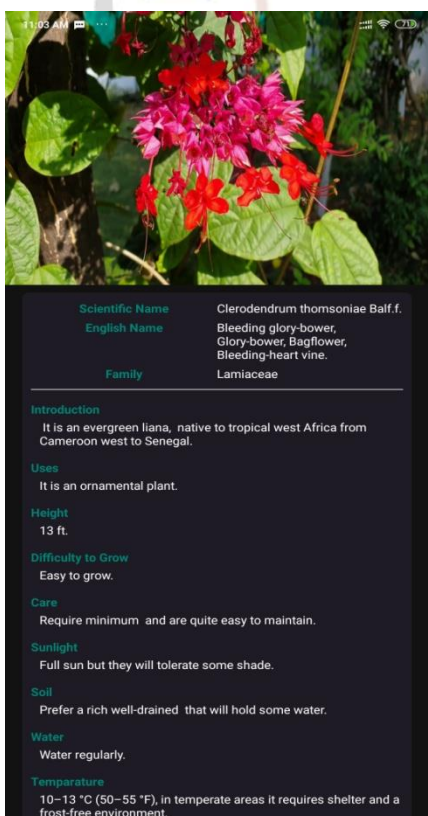


Fig. 10 Screen shots of Floral Safari application

3.5 Herbarium Digitization: During the first and second phase the herbariums of collected and identified plant species have been prepared. There are total **580** plant species have been collected during the first and second phase and herbarium were prepared for all the plant species. There are total **1188** herbarium have been prepared. These all herbarium were digitized by scanning each and every herbarium with high resolution over head scanner. All the information regarding plants name, family, local name, collection site, collector name etc. have been incorporated with them. All data with scanned images are upload on the Dang E- herbarium, which is there on the Waghai Botanical Garden WebSite.

Fig. 11 Scanned Herbarium Images



3.6 Floral Diversity of Waghai Botanical Garden:

Waghai Botanical gardens has developed and flourished through a long tradition of exchanging, studying, displaying and conserving plants from the last few years. It serves as a place of serenity and wonder for medical plants used by the tribals of dangs. Waghai Botanical Garden has more than 1200 plant species of which major collection is of Dr. R.I. Patel - An eminent Taxonomist of Gujarat. Dr. B.G.Vashi; and other collection includes of Dr. J.R.Parmar and Mr. K. L. Dubey's herbaria collection. Objective of the project was to identify and update the flora with their accepted names and document this unique flora in the Waghai Botanical Garden.

Detail study of plants with their scientific documentation is going on since last 3 years in collaboration with The Maharaja Sayajirao University of Baroda. The first project work has been done in 2017-2018 and project duration was 9 month. In this first phase there are total **449** plant species identified and documented. The second project work has been done in 2018-2019 and project duration was 6 month. In the second phase there are total **131** plant species identified and documented. In this project also floral diversity studies carried out and total **344** plant species identified and documented. Total studied diversity comprise of **924 plant species** belong to **144 Family, 512 Genus**.

WAGHAI BOTANICAL GARDEN'S FLORAL DIVERSITY

Herbs

Table 1: List of Herbs

Sr. No.	Plant Name	Local Name
	ACANTHACEAE	
1	<i>Andrographis echinoides</i> (L.) Nees	Kariyatu
2	<i>Andrographis paniculata</i> (Brum.f.) Nees.	Kalu Kariyatu
3	<i>Barleria gibsonii</i> Dalzell	Kanta sheriyo
4	<i>Barleria grandiflora</i> Dalzell	Dev Koranti
5	<i>Barleria lawii</i> T.Anderson	Kanta sheriyo
6	<i>Barleria montana</i> Nees	Gule
7	<i>Eranthemum roseum</i> (Vahl) R.Br.	Dasmuli
8	<i>Hygrophila auriculata</i> (Schumach.) Heine	Talim khana
9	<i>Justicia gendarussa</i> Burm.f.	Mehndi ni jat
10	<i>Neuracanthus sphaerostachys</i> Dalzell	Safed Kamal
11	<i>Peristrophe bicalyculata</i> (Retz.) Nees	Khareti
12	<i>Ruellia patula</i> Jacq.	-
13	<i>Ruellia tuberosa</i> L.	-
	AMARANTHACEAE	
14	<i>Achyranthes aspera</i> L.	Janjeta
15	<i>Achyranthes coynei</i> Santapau	Lal Aghedo
16	<i>Aerva lanata</i> (L.) Juss.	Gorkhganjo
17	<i>Alternanthera sessilis</i> (L.) R.Br. ex DC.	Tandalja
18	<i>Amaranthus viridis</i> L.	Matalani Bhaji
19	<i>Celosia argentea</i> L.	Kurdu

20	<i>Digera muricata</i> (L.) Mart.	Matalani Bhaji
	AMARYLLIDACEAE	
21	<i>Crinum asiaticum</i> L.	Spider Lily
22	<i>Hymenocallis coronaria</i> (Leconte) Kunth	-
23	<i>Pancratium triflorum</i> Roxb.	Kavlina mama
24	<i>Scadoxus multiflorus</i> (Martyn) Raf.	Football Lily
	APIACEAE	
25	<i>Centella asiatica</i> (L.) Urb.	Brahmi
26	<i>Pimpinella adscendens</i> Dalzell	Dungar Jiri
	APOCYNACEAE	
27	<i>Canna indica</i> L.	Sarvajjaya
28	<i>Catharanthus ovalis</i> Markgr.	Barmasi
29	<i>Catharanthus roseus</i> (L.) G. Don	Barmasi
30	<i>Catharanthus roseus</i> var. <i>albus</i>	Barmasi
31	<i>Catharanthus roseus</i> var. <i>roseus</i>	Barmasi
32	<i>Catharanthus pusillus</i> (Murr.) G. Don	Barmasi
33	<i>Vinca erecta</i> Regel & Schmalh.	Barmasi
	ARACEAE	
34	<i>Alocasia macrorrhizos</i> (L.) G. Don	Mankanda
35	<i>Amorphophallus commutatus</i> (Schott) Engl.	Suran
36	<i>Amorphophallus margaritifer</i> (Roxb.) Kunth	Jungli suran ni jat
37	<i>Anthurium andraeanum</i> Linden ex André	-
38	<i>Caladium bicolor</i> (Aiton) Vent.	Rangun Pan
39	<i>Colocasia antiquorum</i> Schott	Patra
40	<i>Colocasia esculenta</i> (L.) Schott	Tera
41	<i>Pistia stratiotes</i> L.	Jalkumbhi
42	<i>Spathiphyllum cochlearispathum</i> (Liebm.) Engl.	Tamaku ni varity
	ASPARAGACEAE	
43	<i>Agave americana</i> L.	Safed Ketki
44	<i>Asparagus adscendens</i> Roxb.	Shtavari
45	<i>Asparagus gonocladus</i> Baker	Shtavari
46	<i>Asparagus racemosus</i> Willd.	Shtavari
47	<i>Chlorophytum breviscapum</i> Dalzell	Safed Musali
48	<i>Chlorophytum comosum</i> (Thunb.) Jacques	Musali
49	<i>Chlorophytum saundersiae</i> (Baker) Nordal.	-
50	<i>Ophiopogon clarkei</i> Hook. f.	-
51	<i>Ophiopogon jaburan</i> (Siebold) Lodd.	-
52	<i>Sansevieria trifasciata</i> Prain	Ketki
	ASPHODELACEAE	
53	<i>Aloe barbadensis</i> Mill.	Aloevera
	ASTERACEAE	
54	<i>Acanthospermum hispidum</i> DC.	Gokhru
55	<i>Ageratum conyzoides</i> (L.) L.	Borandu
56	<i>Artemisia annua</i> L.	Artemisia

57	<i>Aster amellus</i> L.	-
58	<i>Callistephus chinensis</i> (L.) Benth.	-
59	<i>Chrysanthemum multiflorum</i>	Sevanti
60	<i>Cosmos sulphureus</i> Cav.	Kashmiyo
61	<i>Cosmos sulphureus</i> red variant Cav.	Pilo Kashmiyo
62	<i>Cyanthillium cinereum</i> (L.) H.Rob.	Sahdevi
63	<i>Cyathocline purpurea</i> Kuntze	Gangotri
64	<i>Eclipta prostrata</i> (L.) L.	Bhangro
65	<i>Emilia sonchifolia</i> (L.) DC. ex DC.	Dudheli
66	<i>Gaillardia aestivalis</i> (Walter) H.Rock	-
67	<i>Gerbera jamesonii</i> Bolus ex Hook.f.	-
68	<i>Launaea procumbens</i> (Roxb.) Ramayya & Rajagopal	Jungli Gobi
69	<i>Launaea sarmentosa</i> (Willd.) Sch.Bip. ex Kuntze	-
70	<i>Solidago canadensis</i> L.	-
71	<i>Solidago virgaurea</i> L.	-
72	<i>Sphagneticola trilobata</i> (L.) Pruski	Ghavanti ni jat
73	<i>Synedrella nodiflora</i> (L.) Gaertn.	-
74	<i>Tagetes patula</i> L. Erecta	Galgoto
75	<i>Xanthium strumarium</i> L.	Gadariyu
76	<i>Elephantopus scaber</i> L.	Nilva
	BALSAMINACEAE	
77	<i>Impatiens balsamina</i> L.	Balsam
78	<i>Impatiens balsamina</i> L. Pink	Tivra
79	<i>Impatiens balsamina</i> L. white	Tivra
	BASELLACEAE	
80	<i>Basella alba</i> L.	Poi
	BEGONIACEAE	
81	<i>Begonia maculate</i> Raddi	Begonia
82	<i>Begonia</i> (Senator Series Group) 'Senator Scarlet'	Begonia
83	<i>Begonia deliciosa</i> Linden ex Fotsch	Begonia
84	<i>Begonia</i> 'Senator Pink'	Begonia
85	<i>Begonia</i> x <i>semperflorens-cultorum</i>	Begonia
	BRASSICACEAE	
86	<i>Brassica nigra</i> (L.) K.Koch	Rai
87	<i>Rorippa indica</i> (L.) Hiern	Chamsuru
	CANNACEAE	
88	<i>Canscora diffusa</i> (Vahl) R.Br. ex Roem. & Schult.	Kilwar
	CARYOPHYLLACEAE	
89	<i>Dianthus caryophyllus</i> L.	Dianthus
90	<i>Dianthus chinensis</i> L.	Dianthus
91	<i>Dianthus japonicas</i> Thunb.	Dianthus
	CASELPINIACEAE	
92	<i>Senna hirsuta</i> (L.) H.S.Irwin & Barneby	-
93	<i>Senna insularis</i> (Britton & Rose) H.S.Irwin & Ba.	-

94	<i>Senna occidentalis</i> (L.) Link	Kasundri
95	<i>Senna sophera</i> (L.) Roxb.	-
96	<i>Senna tora</i> (L.) Roxb.	Puvadiyu
	CLEOMACEAE	
97	<i>Cleome viscosa</i> L.	Sonpaya
	COMMELINACEAE	
98	<i>Cyanotis cristata</i> (L.) D.Don	Nabhali
99	<i>Murdannia nudiflora</i> (L.) Brenan	Kansura
100	<i>Tradescantia pallida</i> (Rose) D.R.Hunt.	-
101	<i>Tradescantia zebrina</i> var. <i>zebrina</i>	-
	COMPOSITAE	
102	<i>Acmella oleracea</i> (L.) R.K.Jansen	Akkalkaro
103	<i>Acmella paniculata</i> (Wall. ex DC.) R.K.Jansen	Marethi
104	<i>Acmella radicans</i> (Jacq.) R.K.Jansen	Safed Marethi
105	<i>Blumea axillaris</i> (Lam.) DC.	Sahdevi ni jat
106	<i>Sonchus oleraceus</i> (L.) L.	Dudheli
107	<i>Spilanthes acmella</i> (L.) L.	Piplkha
108	<i>Tridax procumbens</i> (L.) L.	Pardesi Bhangro
	CONVOLVULACEAE	
109	<i>Evolvulus nummularius</i> (L.) L.	Safed Sankhpuspi
	CRASSULACEAE	
110	<i>Bryophyllum pinnatum</i> (Lam.) Oken	Panfuti
	CYPERACEAE	
111	<i>Cyperus alulatus</i> J.Kern	Gundan
112	<i>Cyperus michelianus</i> (L.) Delile	Gundan ni jat
113	<i>Cyperus scariosus</i> R. Br.	Nut Grass
114	<i>Kyllinga brevifolia</i> Rottb.	Gundan Varity
	DIOSCOREACEAE	
115	<i>Tacca leontopetaloides</i> (L.) Kuntze	Dev Lakdi
	ERIOCAULACEAE	
116	<i>Eriocaulon elenoriae</i> Fyson	Dhudu Ghas
	EUPHORBIACEAE	
117	<i>Acalypha ciliata</i> Forssk.	Agya
118	<i>Acalypha hispida</i> Burm.f.	Puch Biladi
119	<i>Acalypha malabarica</i> Müll.Arg.	Aagye
120	<i>Baliospermum solanifolium</i> (Burm.) Suresh	Jungali Diveli
121	<i>Euphorbia heterophylla</i> L.	Dudhela ni Varity
122	<i>Euphorbia hirta</i> L.	Dadari
123	<i>Euphorbia hyssopifolia</i> L.	Dadari ni Varity
124	<i>Euphorbia leucocephala</i> Lotsy	-
125	<i>Euphorbia milii</i> Des Moul.	-
	FABACEAE	
126	<i>Alysicarpus longifolius</i> (Spreng.) Wight & Arn.	Dade
127	<i>Crotalaria hirsuta</i> Willd.	-

128	<i>Crotalaria juncea</i> L.	Jhunjhunja
129	<i>Crotalaria leptostachya</i> Benth.	Fatakdi ni jat
130	<i>Crotalaria linifolia</i> L.f.	Fatakdi
131	<i>Crotalaria prostrata</i> Willd.	Fatakdi
132	<i>Crotalaria spectabilis</i> Roth	Khamba
133	<i>Crotalaria triquetra</i> Dalzell	Fatakdi
134	<i>Crotalaria verrucosa</i> L.	Ghugharo
135	<i>Dendrolobium triangulare</i> (Retz.) Schindl.	Pushpparni
136	<i>Desmodium barbatum</i> (L.) Benth.	Shalparni
137	<i>Desmodium dichotomum</i> (wild) DC.	Shalparni
138	<i>Desmodium gangeticum</i> (L.) DC.	Shalparni
139	<i>Desmodium laxiflorum</i> DC.	Shalparni
140	<i>Desmodium triflorum</i> (L.) DC.	Dade
141	<i>Desmodium velutinum</i> (Willd.) DC.	Tarute
142	<i>Psoralea corylifolia</i> L.	Babchi
143	<i>Smithia conferta</i> Sm.	Barbadiya
144	<i>Tadehagi triquetrum</i> (L.) H.Ohashi	Genda
145	<i>Tephrosia purpurea</i> (L.) Pers.	Ghodakan
146	<i>Tephrosia villosa</i> (L.) Pers.	-
147	<i>Teramnus labialis</i> (L.f.) Spreng.	Masani
148	<i>Uraria lagopodoides</i> (L.) DC.	Pithvan
149	<i>Uraria picta</i> (Jacq.) DC.	Krishnaparni
150	<i>Uraria rufescens</i> (DC.) Schindl.	Salaparni
GENTIANACEAE		
151	<i>Biophytum sensitivum</i> (L.) DC.	Lajalu
152	<i>Capillipedium huegelii</i> (Hack.) A.Camus	Ghandhedi
153	<i>Enicostema axillare</i> (Poir. ex Lam.) A.Raynal	Mamejo
154	<i>Oxalis triangularis</i> A. St.-Hil.	Patangya
LAMIACEAE		
155	<i>Coleus amboinicus</i> Lour.	Patharchur
156	<i>Coleus forskohlii</i> (Willd.) Briq.	Patharchur
	<i>Hyptis suaveolens</i> (L.) Poit.	Fanglut
157	<i>Mentha piperita</i> L.	Phudina
158	<i>Mentha arvensis</i> L.	Phudina
159	<i>Ocimum basilicum</i> L.	Damaro
160	<i>Ocimum basilicum</i> var. <i>methylchevicol</i>	Tulsi
161	<i>Ocimum basilicum</i> var. <i>thyriflorum</i> (L.) Benth.	Tulsi
162	<i>Ocimum gratissimum</i> L.	Ram Tulsi
163	<i>Ocimum sanctum</i> L.	Tulsi
164	<i>Ocimum tenuiflorum</i> L.	Shyam Tulsi
165	<i>Plectranthus ovatus</i> Benth.	Moti Tulsi
166	<i>Plectranthus scutellarioides</i> (L.) R.Br. "Autumn Pink"	Coleus
167	<i>Plectranthus scutellarioides</i> (L.) R.Br. "Green"	Coleus
168	<i>Pogostemon benghalensis</i> (Burm.f.) Kuntze	-

169	Salvia plebeia R.Br.	Babrul
170	Salvia splendens Sellow ex Schult.	-
	LEGUMINOSAE	
171	Cajanus cajan (L.) Millsp.	Tuver
172	Chamaecrista nictitans (L.) Moench	Dhedhor ni jat
173	Chamaecrista pumila (Lam.) K.Larsen	Dhedhor
174	Clitoria annua J.Graham	Gokarni ni Jat
175	Flemingia strobilifera (L.) W.T.Aiton	Foke Asul
176	Indigofera trifoliata L.	Barbardiya
177	Melilotus albus Medik.	Ghoda Ghas
	LILIACEAE	
178	Fritillaria pudica (Pursh) Spreng.	Lily
179	Zephyranthes candida (Lindl.) Herb.	Safed lily
180	Zephyranthes rosea Lindl.	Lal lily
181	Zephyranthes citrina Baker	Yellow lily
	LINDERNIACEAE	
182	Lindernia ciliata (Colsm.) Pennell	Datari
183	Lindernia crustacea (L.) F.Muell.	Gogle
184	Lindernia multiflora (Roxb.) Mukerjee	-
185	Lindernia oppositifolia (L.)Mukerjee	Babrun ni jat
	LYTHRACEAE	
186	Ammannia baccifera L.	Jungli Mehndi
187	Ammannia multiflora Roxb.	Zino Agyo
	MALVACEAE	
188	Abelmoschus moschatus Medik.	Jungali bhindi
189	Azanza lampas (Cav.) Alef.	Bhindi
190	Corchorus aestuans L.	Chunch
191	Corchorus olitorius L	Chunch
192	Hibiscus cannabinus L.	Patsan
193	Hibiscus lobatus (Murray) Kuntze	-
194	Hibiscus rostellatus Guill. & Perr.	Khati Ambari
195	Hibiscus sabdariffa L.	Lal Ambari
196	Hibiscus vitifolius L.	Chokkhi Bhindi
197	Melochia corchorifolia L.	Chuncha
198	Sida acuta Burm.f.	Bala
199	Sida cordifolia L.	Bala
200	Sida rhombifolia L.	Sahdeva
201	Sida spinosa L.	-
202	Triumfetta rotundifolia Lam.	Chunani Varity
203	Urena lobata L.	San Bhindo
204	Urena sinuata L.	Vagh Panji
	MARANTACEAE	
205	Calathea ornate (Linden) Körn.	-
206	Maranta leuconeura E.Morren	-

	MARTYNIACEAE	
207	Martynia annua L.	Vagh Nakh
	MENYANTHACEAE	
208	Nymphoides indica (L.) Kuntze	Kumudini
	MIMOSACEAE	
209	Mimosa pudica L.	Lajamani
	NELUMBONACEAE	
210	Nelumbo nucifera Gaertn.	Kamal
	NEPHROLEPIDACEAE	
211	Nephrolepis exaltata (L.) Schott	Hans Raj
	NYCTAGINACEAE	
212	Boerhavia diffusa L.	Satodi
213	Mirabilis jalapa L.	Glabpash
	NYMPHEACEAE	
214	Nymphaea pubescens Willd.	Safed Kamal
215	Nymphaea rubra Roxb. ex Andrews	Kamal
	ONAGRACEAE	
216	Ludwigia octovalvis (Jacq.) P.H.Raven	-
	OPHIOGLOSSACEAE	
217	Ophioglossum reticulatum L.	-
	ORCHIDEACEAE	
218	Geodorum laxiflorum Griff.	Hare Kand
	OROBANCHACEAE	
219	Aeginetia indica L.	Popte
	OXALIDACEAE	
220	Oxalis corniculata L.	Mukhjali
	PAPAVERACEAE	
221	Argemone mexicana L.	Darudi
	PEDALIACEAE	
222	Pedaliium murex L.	Motu Gokharu
223	Sesamum indicum L.	-
	PHYLLANTHACEAE	
224	Phyllanthus amarus Schumach. & Thonn.	Bhoi Amla
225	Phyllanthus fraternus G.L. Webster	Bhoi Amli
226	Phyllanthus tenellus Roxb.	Boy Amla ni jat
227	Phyllanthus urinaria L.	Bhoi Amli
228	Phyllanthus virgatus G.Forst.	Bhoi Amli
	PIPERACEAE	
229	Piper arboreum Aubl.	Mari
230	Piper cubeba L.f.	Kabab-chini
	PLANTAGINACEAE	
231	Angelonia salicariifolia Bonpl.	-
	PLUMBAGINACEAE	
232	Plumbago indica L.	Lal Chitrak

POACEAE		
233	<i>Brachiaria ramosa</i> (L.) Stapf	Orad
234	<i>Brachiaria reptans</i> (L.) C.A.Gardner & C.E.Hubb.	Tokariya
235	<i>Chionachne koenigii</i> (Spreng.) Thwaites.	Kanchan Ghas
236	<i>Chrysopogon zizanioides</i> (L.) Roberty	
237	<i>Cymbopogon citratus</i> (DC.) Stapf	Lily Cha
238	<i>Cymbopogon martini</i> (Roxb.) W.Watson	Rusa Ghas
239	<i>Cymbopogon schoenanthus</i> Spreng.	Bhutran Lily Cha
240	<i>Desmostachya bipinnata</i> (L.) Stapf	Kunda Ghas
241	<i>Digitaria bicornis</i> (Lam.) Roem. & Schult.	Shikari
242	<i>Digitaria stricta</i> Roth	Kathara
243	<i>Eleusine indica</i> (L.) Gaertn.	Chunch
244	<i>Eragrostis unioides</i> (Retz.) Nees ex Steud.	-
245	<i>Ischaemum indicum</i> (Houtt.) Merr.	Bilokada Ghas
246	<i>Paspalidium flavidum</i> (Retz.) A.Camus	Borath
247	<i>Paspalidium geminatum</i> (Forssk.) Stapf	Jogda
248	<i>Paspalum scrobiculatum</i> L.	Kada
249	<i>Pennisetum hohenackeri</i> Hochst. ex Steud.	Dabadiya
250	<i>Setaria pumila</i> (Poir.) Roem. & Schult.	Kalva
251	<i>Setaria verticillata</i> (L.) P.Beauv.	Pakkad Ghas
252	<i>Spodiopogon rhizophorus</i> (Steud.) Pilg.	Thararu
253	<i>Sporobolus tenuissimus</i> (Schrank.) Kuntze	Balgundan
254	<i>Themeda tremula</i> (Nees ex Steud.) Hack.	Bhatdi
255	<i>Themeda triandra</i> Forssk.	Bhatdi
256	<i>Vetiveria zizanioides</i> (L.) Nash.	Khuskhas
POLYPODIACEAE		
257	<i>Phymatosorus scolopendria</i> (Burm. f.) Pic. Serm.	-
PONTEDERIACEAE		
258	<i>Eichhornia crassipes</i> (Mart.) Solms	Jal-naruna
PORTULACACEAE		
259	<i>Portulaca grandiflora</i> Hook.	Office Time
260	<i>Talinum paniculatum</i> (Jacq.) Gaertn.	-
PTERIDACEAE		
261	<i>Adiantum lunulatum</i> Burm. f.	Chidi
262	<i>Aleuritopteris bicolor</i> (Roxb.) Fraser-Jenk.	Hansraj
ROSACEAE		
263	<i>Rosa indica</i> L.	Gulab
264	<i>Rosa indica</i> var. <i>minima</i> Bean	Gulab
265	<i>Rosa indica</i> var. <i>ochroleuca</i> Lindl.	Gulab
RUBIACEAE		
266	<i>Oldenlandia herbacea</i> (L.) Roxb.	Sarambal
267	<i>Ophiorrhiza rugosa</i> var. <i>prostate</i> (D.Don) Deb & Montal	-
268	<i>Spermacoce ocymoides</i> Burm.f.	-

	SALVINIACEAE	
269	<i>Salvinia adnata</i> Desv.	-
	SCROPHULARIACEAE	
270	<i>Bacopa monnieri</i> (L.) Wettst.	Brahmi
271	<i>Mecardonia procumbens</i> (Mill.) Small	Kopariya ni jat
272	<i>Torenia indica</i> C.J.Saldanha	Torani
273	<i>Verbascum chinense</i> (L.) Santapau	Babrul
	SOLANACEAE	
274	<i>Datura metel</i> L.	Safed Dhaturu
275	<i>Petunia hybrida</i> Vilm.	Petunia
276	<i>Petunia nyctaginiflora</i> Juss.	Petunia
277	<i>Petunia violacea</i> Lindl.	Petunia
278	<i>Physalis minima</i> L.	Fole
279	<i>Solanum americanum</i> Mill.	-
280	<i>Solanum indicum</i> L.	-
281	<i>Solanum nigrum</i> L.	Mokoi
282	<i>Solanum pseudocapsicum</i> L.	-
283	<i>Solanum virginianum</i> L.	Bhoyringni
	THELYPTERIDACEAE	
284	<i>Christella dentata</i> (Forssk.) Brownsey & Jermy	-
	URTICACEAE	
285	<i>Elatostema cuneatum</i> Wight	-
286	<i>Pilea microphylla</i> (L.) Liebm.	-
	VERBENACEAE	
287	<i>Clerodendrum chinense</i> (Osbeck) Mabb.	Hajare Mogaro
288	<i>Glandularia bipinnatifida</i> (Schauer) Nutt.	-
289	<i>Stachytarpheta cayennensis</i> (Rich.) Vahl	-
290	<i>Verbena hybrida</i> Groenl. & Rumphel	-
	VITACEAE	
291	<i>Leea indica</i> (Burm. f.) Merr.	Dini
292	<i>Leea macrophylla</i> Roxb. ex Hornem.	Moti Dini
	ZINGIBERACEAE	
293	<i>Alpinia calcarata</i> (Haw.) Roscoe	Kulanjun
294	<i>Alpinia galanga</i> (L.) Willd.	Elchi
295	<i>Curcuma amada</i> Roxb.	Amba Haldar
296	<i>Curcuma pseudomontana</i> J. Graham	Haldar
	ZYGOPHYLLACEAE	
297	<i>Tribulus pentandrus</i> Forssk.	-
298	<i>Tribulus terrestris</i> L.	Gokhru

Shrub

Table 2: List of Shrubs

Sr. No.	Plant Name	Common Name
ACANTHACEAE		
1	Barleria cristata L.	Safed Kantaseryo
2	Barleria lupulina Lindl.	Kanta seriyo
3	Barleria prionitis L.	Pilo Kantaseryo
4	Crossandra infundibuliformis (L.) Nees	Aboli
5	Justicia adhatoda L.	Ardusi
6	Strobilanthes callosa Nees	Karvi
ANNONACEAE		
7	Artabotrys hexapetalus (L.f.) Bhandari	Champo
8	Annona muricata L.	Soursop
APOCYNACEAE		
9	Adenium obesum (Forssk.) Roem. & Schult.	Ganesh Champa
10	Calotropis gigantea (L.) Dryand	Aakdo
11	Calotropis procera (Ait.) R. Br.	Aakdo
12	Carissa carandas L.	Karmada
13	Carissa congesta Wight.	Karmada
14	Rauvolfia serpentina (L.) Benth. ex Kurz	Van Sarpghandha
15	Tabernaemontana divaricata (L.) R.Br. ex Roem. & Schult.	Tagar
16	Thevetia peruviana (Pers.) K.Schum.	Karen
ARALIACEAE		
17	Polyscias balfouriana (André) L.H.Bailey	Polyscia
ASPARAGACEAE		
18	Agave salmiana Otto ex Salm-Dyck	Ramban
19	Cordyline fruticosa (L.) A.Chev.	Drecaena
20	Dracaena fragrans (L.) Ker Gawl.	Mota Drecaena
21	Furcraea foetida (L.) Haw.	Ketki Moti
CAESALPINIACEAE		
22	Senna auriculata (L.) Roxb.	Tarwar
CAPPARACEAE		
23	Capparis spinosa L.	-
24	Capparis zeylanica L.	Kanthar
CELASTRACEAE		
25	Gymnosporia emarginata (Willd.) Thwaites	Vikharo
26	Maytenus rothiana (Walp.) Ramamorthy	-
COMPOSITAE		
27	Chromolaena odorata (L.) R.M.King & H.Rob.	Apapat
EUPHORBIACEAE		
28	Codiaeum variegatum (L.) Rumph.ex A.Juss.	Croton
29	Codiaeum variegatum (L.) Rumph.ex A.Juss. "punctatum"	Croton
30	Euphorbia pulcherrima Willd. ex Klotzsch	Pavan Setiya

31	<i>Jatropha curcas</i> L.	Ratanjyot
32	<i>Jatropha gossypifolia</i> L.	Jatropha
33	<i>Jatropha integerrima</i> Jacq.	Jatropha
34	<i>Manihot esculenta</i> Crantz	Tapioca
35	<i>Ricinus communis</i> L.	Arandi
	LAMIACEAE	
36	<i>Anisomeles indica</i> (L.) Kuntze	Kala Bhangra
37	<i>Clerodendrum multiflorum</i> O.Ktze.	Arni
38	<i>Clerodendrum phlomidis</i> L.f.	Arni
39	<i>Volkameria inermis</i> L.	Wild Jasmin
	LEGUMINOSAE	
40	<i>Caesalpinia bonduc</i> (L.) Roxb.	Kanchko
41	<i>Caesalpinia sappan</i> L.	Kachka ni Jat
42	<i>Flemingia praecox</i> Prain	Libiya Asul
43	<i>Indigofera tinctoria</i> L. Shrub	Gali
44	<i>Sesbania bispinosa</i> (Jacq.) W. Wight.	Dendhor
	LORANTHACEAE	
45	<i>Dendrophthoe falcata</i> (L.f.) Ettingsh.	Vando
	LYTHRACEAE	
46	<i>Cuphea hyssopifolia</i> kunth	-
47	<i>Lagerstroemia indica</i> L.	Chinai Mehdi
48	<i>Punica granatum</i>	Dadham
	MALPIGHIACEAE	
49	<i>Malpighia coccigera</i> L.	-
	MALVACEAE	
50	<i>Abelmoschus manihot</i> (L.) Medik.	Ranbhend
51	<i>Abelmoschus ficulneus</i> (L.) Wight & Arn.	Bhinda ni Jat
52	<i>Abutilon indicum</i> (L.) Sweet	Ati Bala, Petari
53	<i>Alcea rosea</i> L.	Gulkharia
54	<i>Hibiscus rosa-sinensis</i> L.	Jasud
55	<i>Hibiscus rosa-sinensis</i> L. var. <i>rubro-plenus</i> Sweet	Jasud
56	<i>Hibiscus rosa-sinensis</i> cv. <i>Sylvia</i> Goodman	Jasud
57	<i>Hibiscus rosa-sinensis</i> var. <i>rosa-sinensis</i>	Jasud
58	<i>Triumfetta rhomboidea</i> Jacq.	Jhipato
	MELIACEAE	
59	<i>Cipadessa baccifera</i> (Roth) Miq.	-
	MORACEAE	
60	<i>Ficus carica</i> L.	Anjeer
61	<i>Mundulea sericea</i> (Willd.) A.Chev.	-
	MYRTACEAE	
62	<i>Cinnamomum verum</i> (L.) Merr.	Taj Pan
63	<i>Syzygium jambos</i> (L.) Alston	Safed Jambu
	MUSACEAE	
64	<i>Heliconia rostrata</i> Ruiz & Pav.	Heliconia

	MYRTACEAE	
65	<i>Pimenta dioica</i> (L.) Merr.	All Spice
	NYCTAGINACEAE	
66	<i>Bougainvillea spectabilis</i> Willd.	Bougainvillea
	PANDANACEAE	
67	<i>Pandanus odorifer</i> (Forssk.) Kuntze	Kevdo
	PASSIFLORACEAE	
68	<i>Turnera ulmifolia</i> L.	-
	PHYLLANTHACEAE	
69	<i>Breynia retusa</i> (Dennst.) Alston	Kamboi
70	<i>Flueggea virosa</i> (Roxb. ex Willd.) Royle	Pichrun
	PLUMBAGINACEAE	
71	<i>Plumbago zeylanica</i> L.	Chittrak
	RHAMNACEAE	
72	<i>Ziziphus jujuba</i> Mill.	Bor
	RUBIACEAE	
73	<i>Gardenia latifolia</i> Aiton.	Hing
74	<i>Ixora coccinea</i> L.	Ixora
75	<i>Ixora coccinea</i> L. white variant	Ixora White
76	<i>Ixora cuneifolia</i> Roxb.	Ixora Pink
77	<i>Mussaenda erythrophylla</i> Schumach. & Thonn.	Musenda
78	<i>Pavetta hispidula</i> var. <i>siphonantha</i> (Dalzell) Hook.f.	Pavetta
79	<i>Pentas lanceolata</i> (Forssk.) Deflers	Pentas
80	<i>Pentas lanceolata</i> (Forssk.) Deflers "white variant"	Pentas
81	<i>Pseudomussaenda flava</i> Verdc.	-
82	<i>Rondeletia odorata</i> Jacq.	-
	RUTACEAE	
83	<i>Citrus limon</i> (L.) Burm. F.	Limbu
84	<i>Citrus medica</i> L.	Bijoru
85	<i>Citrus medica</i> L. Var. <i>medica</i>	-
86	<i>Crescentia alata</i> Kunth.	Kamandal
	SOLANACEAE	
87	<i>Physalis pruinosa</i> L.	Fole
88	<i>Rauvolfia tetraphylla</i> L.	
89	<i>Withania somnifera</i> (L.) Dunal	Ashwgandha
	TILIACEAE	
90	<i>Grewia hirsuta</i> Vahl	Govali
	VERBENACEAE	
91	<i>Lantana camara</i> L.	Raimuniya
92	<i>Vitex negundo</i> L.	Nirgundi
93	<i>Vitex trifolia</i> L.	Nagod
	ZAMIACEAE	
94	<i>Zamia furfuracea</i> L.f. ex Aiton	Khichdiya Palm

	ZYGOPHYLLACEAE	
95	Balanites aegyptiaca (L.) Delile	Hingot

Trees

Table 3: List of Trees

Sr. No.	Plant Name	Common Name
	ANACARDIACEAE	
1	Anacardium occidentale L.	Kaju
2	Buchanania cochinchinensis (Lour.) M.R.Almeida	Charoli
3	Holigarna arnottiana Hook.f.	-
4	Lanea coromandelica (Houtt.) Merr.	Modad
5	Mangifera indica L.	Ambo
6	Schinus terebinthifolia Raddi	-
7	Semecarpus anacardium L.f.	Bhilamo
8	Spondias pinnata (L. f.) Kurz	Ambado
	ANNONACEAE	
9	Annona reticulata L.	Ramfal
10	Annona squamosa L.	Sitafal
11	Miliusa tomentosa (Roxb.) J. Sinclair	Umbh
12	Polyalthia longifolia Benth. & Hook. f.	Asopalav
13	Polyalthia pendula Capuron ex G.E. Schatz & Le Thomas	Asopalav
14	Polyalthia suberosa (Roxb.) Thwaites	-
15	Uvaria littoralis (Blume) Blume	-
	APOCYNACEAE	
16	Alstonia scholaris (L.) R. Br.	Saptparni
17	Holarrhena pubescens Wall. ex G.Don	Indrajav
18	Plumeria alba L.	Champo
19	Plumeria obtusa L.	Safed Champo
20	Plumeria rubra L.	Lal Champo
21	Wrightia arborea (Dennst.) Mabb.	Kudi
22	Wrightia tinctoria R.Br.	Safed Kudi
	ARACEAE	
23	Caryota urens L.	Shiv Jata
	ARAUCARIACEAE	
24	Araucaria columnaris (G.Forst.) Hook.	Christmas tree
	ARECACEAE	
25	Calliandra haematocephala Hassk.	Red powder puff
	BIGNONACEAE	
26	Crescentia cujete L.	Chandraphal
27	Dolichandrone falcata (Wall. ex DC.)	Medhshingi
28	Fernandoa adenophylla (Wall. ex G.Don) Steenis	Mele sing
29	Heterophragma quadriloculare (Roxb.) K. Schum.	Waras
30	Jacaranda mimosifolia D. Don	Neeli Gulmahor

31	<i>Kigelia africana</i> (Lam.) Benth.	Undhaphal
32	<i>Markhamia lutea</i> (Benth.) K.Schum.	Gandhi
33	<i>Millingtonia hortensis</i> L.f.	Akash Neem
34	<i>Oroxylum indicum</i> (L.) Kurz	Tetu
35	<i>Parmentiera cereifera</i> Seem	Pencil Tree
36	<i>Stereospermum chelenoides</i> (L.f.) DC.	-
37	<i>Stereospermum tetragonum</i> DC.	Padal
38	<i>Tabebuia aurea</i> (Silva Manso) Benth. & Hook.f. ex S.Moore	Tabubia
	BIXACEAE	
39	<i>Bixa orellana</i> L.	Sindhuri
40	<i>Cochlospermum religiosum</i> (L.) Alston	Galgal
	BOMBACACEAE	
41	<i>Adansonia digitata</i> L.	Gorakh Imli
42	<i>Bombax ceiba</i> L.	Safed Shimalo
43	<i>Bombax ceiba</i> var. <i>lutea</i> L.	Shimalo
44	<i>Bombax insigne</i> (Sw.) K.Schum.	Silk Cotton
	BORAGINACEAE	
45	<i>Cordia domestica</i> Roth	Gundi
46	<i>Ehretia laevis</i> Roxb.	Datranga
	BURSERACEAE	
47	<i>Boswellia serrata</i> Roxb.ex Colebr.	Salai Gugal
48	<i>Garuga pinnata</i> Roxb.	Kakad
	CAESALPINIACEAE	
49	<i>Bauhinia foveolata</i> Dalzell	Bhut Chamol
50	<i>Bauhinia malabarica</i> Roxb.	Khati Chamol ni jat
51	<i>Bauhinia purpurea</i> L.	Kanchan
52	<i>Bauhinia racemosa</i> Lam.	Katmauli
53	<i>Bauhinia roxburghiana</i> Voigt	Semala Kanchnar
54	<i>Caesalpinia coriaria</i> (Jacq.) Willd.	Lini libi
55	<i>Caesalpinia ferrea</i> C.Mart.	Patang
56	<i>Hardwickia binata</i> Roxb.	Anjan
57	<i>Leucaena leucocephala</i> (Lam.) de Wit	Safed Babool
58	<i>Senna siamea</i> (Lam.) H.S.Irwin & Barneby	Kasid
	CANNABACEAE	
59	<i>Trema orientalis</i> (L.) Blume	-
	CAPPARACEAE	
60	<i>Crateva nurvala</i> Buch.-Ham.	Vaivama
	CASURINACEAE	
61	<i>Casuarina equisetifolia</i> L.	Saru
	CELASTRACEAE	
62	<i>Cassine glauca</i> Rottb. Kuntze.	Jamrasi
63	<i>Lophopetalum wightianum</i> Arn.	-
	CLUSIACEAE	
64	<i>Mesua ferrea</i> L.	Nag kesar

65	Poeciloneuron indicum Bedd.	-
	COMBRETACEAE	
66	Anogeissus latifolia (Roxb. ex DC.) Wall.ex Guill. & Perr.	Dhau
67	Anogeissus pendula Edgew.	Dhaura
68	Terminalia arjuna (Roxb. ex DC.) Wight & Arn.	Arjun Sadad
69	Terminalia bellirica (Gaertn.) Roxb.	Baheda
70	Terminalia catappa L.	Badam
71	Terminalia chebula Retz.	Harde
72	Terminalia elliptica Willd.	Asan
73	Terminalia tomentosa Wight & Arn.	Sadad
	CORNACEAE	
74	Alangium salviifolium (L.f.) Wangerin	Ankol
	CUPRESSACEAE	
75	Juniperus communis L.	Agrasoru
76	Platycladus orientalis (L.) Franco	Vidhya
	CYCADACEAE	
77	Cycas circinalis L.	Queen Sago
78	Cycas revoluta Thunb.	King Sago
	DILLENIACEAE	
79	Dillenia indica L.	Mota Karmal
80	Dillenia pentagyna Roxb.	Karmal
	DIPTEROCARPACEAE	
81	Hopea ponga (Dennst.) Mabb.	Umbh ni jat
82	Shorea robusta Gaertn.	Shal
83	Vateria indica L.	Safed Damar
	EBANACEAE	
84	Diospyros buxifolia (Blume) Hiern	-
85	Diospyros malabarica (Desr.) Kostel.	Gaab
86	Diospyros melanoxylon Roxb.	Abnus
87	Diospyros montana Roxb.	Dheki
	ELAEOCARPACEAE	
88	Elaeocarpus serratus (Gaertn.) K.Schum.	Rudraksh
	EUPHORBIACEAE	
89	Croton persimilis Müll.Arg.	Croton
90	Falconeria insignis Royle	Jhade Sherod
91	Macaranga peltata (Roxb.) Müll.Arg.	Chand Kal
92	Mallotus nudiflorus (L.) Kulju & Welzen	Pindar
93	Mallotus philippensis (Lam.) Müll.Arg.	Kapilo
94	Mallotus polycarpus (Benth.) Kulju & Welzen	-
	FABACEAE	
95	Acacia senegal (L.) Willd.	Kumatiyo
96	Butea monosperma (Lam.) Taub.	Khakharo
97	Cassia fistula L.	Garmalo
98	Dalbergia lanceolaria subsp. paniculata (Roxb.) Thoth.	Dandoshi

99	<i>Dalbergia latifolia</i> Roxb.	Sisam
100	<i>Dalbergia sissoo</i> Roxb.	Sisoo
101	<i>Dalbergia lanceolaria</i> L.f.	Takoli
102	<i>Erythrina variegata</i> L.	Pangara
103	<i>Millettia peguensis</i> Ali	Brahmi Violet
104	<i>Pongamia pinnata</i> (L.) Pierre	Karanj
105	<i>Sesbania grandiflora</i> (L.) Pers	Agathiyo
106	<i>Vachellia nilotica</i> (L.) P.J.H. Hurter & Mabb.	Babul
	GUTTIFERACEAE	
107	<i>Garcinia indica</i> (Thouars) Choisy	Kokum
108	<i>Garcinia talbotii</i> Raiz.	Talbot Garcinia
	LAMIACEAE	
109	<i>Gmelina arborea</i> Roxb.	Sevan
110	<i>Tectona grandis</i> L.f.	Sag
	LAURACEAE	
111	<i>Cinnamomum tamala</i> (Buch.-Ham.)T.Nees& Eberm.	Tejpatta
112	<i>Litsea glutinosa</i> (Lour.)C.B.Roxb.	Medh
	LECYTHIDACEAE	
113	<i>Careya arborea</i> Roxb.	Kumbhi
114	<i>Couroupita guianensis</i> Aubl.	Kailashpati
	LEGUMINOCEAE	
115	<i>Albizia odoratissima</i> (L.f.) Benth.	Safed Siras
116	<i>Albizia procera</i> (Roxb.) Benth.	Kilay
117	<i>Cassia javanica</i> L.	Cassia
118	<i>Delonix regia</i> (Hook.) Raf.	Gulmahor
119	<i>Derris kanjilalii</i> K.C.Sahni & H.B.Naithani	-
120	<i>Desmodium oojeinense</i> (Roxb.) H.Ohashi	Tansh
121	<i>Millettia leucantha</i> Kurz	-
122	<i>Mimosa hamata</i> Wild.	Chilar ni jat
123	<i>Peltophorum pterocarpum</i> (DC.) K. Heyne	Sonmahor
124	<i>Pterocarpus marsupium</i> Roxb.	Biyo
125	<i>Pterocarpus santalinus</i> L. f.	-
126	<i>Saraca indica</i> L	Ashok
127	<i>Spathodea campanulata</i> P.Beauv.	Spathodea
128	<i>Tamarindus indica</i> L.	Amlı
	LOGANIACEAE	
129	<i>Strychnos nux-vomica</i> L.	Zeri-Kochalu
130	<i>Strychnos potatorum</i> L.f.	Zerkochla
	LYTHRACEAE	
131	<i>Lagerstroemia lanceolata</i> Wall.	Moto Bhondaro
132	<i>Lagerstroemia parviflora</i> Roxb.	Dhaura
133	<i>Lagerstroemia speciosa</i> (L.) Pers.	Bondaro
134	<i>Woodfordia fruticosa</i> (L.) Kurtz.	Dhayti

	MAGNOLIACEAE	
135	<i>Magnolia champaca</i> (L.) Baill. ex Pierre	Son Champa
	MALVACEAE	
136	<i>Ceiba pentandra</i> (L.) Gaertn.	Kapok
137	<i>Firmiana colorata</i> (Roxb.) R.Br.	Scarlet Sterculia
138	<i>Firmiana simplex</i> (L.) W.Wight	Kadayo
139	<i>Guazuma ulmifolia</i> Lam.	Bhadraksh
140	<i>Kydia calycina</i> Roxb.	Varing
141	<i>Pterospermum acerifolium</i> L.	Kanak champa
142	<i>Pterospermum diversifolium</i> Blume	Kanak champa
143	<i>Pterygota alata</i> (Roxb.) R.Br.	Eastwood
144	<i>Thespesia populnea</i> (L.)	Paras Piplo
	MELASTOMATACEAE	
145	<i>Memecylon umbellatum</i> Burm. f.	Anjan
	MELIACEAE	
146	<i>Azadirachta indica</i> A.Juss.	Limdo
147	<i>Aphanamixis polystachya</i> (Wall.) R.Parker	Toon
148	<i>Chukrasia tabularis</i> A.Juss.	Toon ni jat
149	<i>Melia azedarach</i> L.	Limbari
150	<i>Melia composita</i> Benth	Malabar Neem
151	<i>Soymida febrifuga</i> (Roxb.) A. Juss.	Rohan
152	<i>Swietenia macrophylla</i> King	Mahogany
153	<i>Toona ciliata</i> M.Roem.	Toon
	MIMOSACEAE	
154	<i>Acacia auriculiformis</i> Benth.	Bangali Baval
155	<i>Acacia catechu</i> (L.f.) Willd.	Kher
156	<i>Acacia nilotica</i> (L.) Delile	Babul
157	<i>Acacia nilotica</i> subsp. <i>indica</i> (Benth.) Brenan	Babul
158	<i>Adenanthera microsperma</i> Teijsm. & Binn.	Peacock Tree
159	<i>Albizia lebbek</i> (L.) Benth.	Kalo siris
160	<i>Albizia saman</i> (Jacq.) Merr	Rain tree
161	<i>Callistemon viminalis</i> (Sol. ex Gaertn.) G.Don	Bottle brush Palm
162	<i>Mimosa rubicaulis</i> Lam.	-
163	<i>Parkia biglandulosa</i> Wight & Arn.	-
164	<i>Parkia biglobosa</i> (Jacq.) G.Don	-
165	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Goras Amli
	MORACEAE	
166	<i>Artocarpus heterophyllus</i> Lam.	Fanas
167	<i>Artocarpus hirsutus</i> Lam.	Jungali Fanas
168	<i>Ficus amplissima</i> Sm.	Pipri
169	<i>Ficus benghalensis</i> L.	Vad
170	<i>Ficus benghalensis</i> L. var. <i>krishnae</i> (C. DC.) Corner	Krishna Vad
171	<i>Ficus benjamina</i> L.	Weeping Fig
172	<i>Ficus elastica</i> Roxb.ex Hornem.	Vad ni jat

173	<i>Ficus exasperata</i> Vahl.	Bhoi umbharo
174	<i>Ficus hispida</i> (L.) f.	Kala umbhar
175	<i>Ficus microcarpa</i> L.f.	Prag Vad
176	<i>Ficus racemosa</i> L.	Umbro
177	<i>Ficus religiosa</i> L.	Piplo
178	<i>Morus australis</i> Poir	-
179	<i>Morus alba</i> L.	Shetur
	MORINGACEAE	
180	<i>Moringa concanensis</i> Nimmo ex Dalzell & A.Gibson	Kadvo Sargvo
181	<i>Moringa oleifera</i> Lam.	Sargvo
	MYRSINACEAE	
182	<i>Ardisia solanacea</i> (Poir.) Roxb.	-
	MYRTACEAE	
183	<i>Canarium strictum</i> Roxb.	White Mahogany
184	<i>Eucalyptus globulus</i> Labill.	Nilgiri
185	<i>Psidium guajava</i> L.	Jamphal
186	<i>Syzygium cumini</i> (L.) Skeels	Jambu
187	<i>Syzygium samarangense</i>	Jambu ni jat
	OLEACEAE	
188	<i>Chionanthus ramiflorus</i> Roxb.	Native Olive
189	<i>Chionanthus mala-elengi</i> (Dennst.) P.S.Green	Malabar Tree
190	<i>Ligustrum robustum</i> (Roxb.) Blume	-
191	<i>Nyctanthes arbor-tristis</i> L.	Parijatak
192	<i>Olea dioica</i> Roxb.	-
193	<i>Schrebera swietenoides</i> Roxb.	Mokha
	OXALIDACEAE	
194	<i>Averrhoa bilimbi</i> L.	Bilimbi
195	<i>Averrhoa carambola</i> L.	Kamrakh
	PHYLLANTHACEAE	
196	<i>Antidesma acidum</i> Retz.	-
197	<i>Antidesma ghaesembilla</i> Gaertn.	Black Currant
198	<i>Bischofia javanica</i> Blume	Bischofia
199	<i>Bridelia retusa</i> (L.) A.Juss.	Asan
200	<i>Cleistanthus collinus</i> (Roxb.) Benth.ex Hook.f.	Ghaneri
201	<i>Glochidion ellipticum</i> Wight	Bhoma
202	<i>Glochidion lanceolarium</i> (Roxb.) Voigt	-
203	<i>Phyllanthus acidus</i> (L.) Skeels	Gihori
204	<i>Phyllanthus emblica</i> L.	Amla
	PRIMULACEAE	
205	<i>Embelia ribes</i> Burm.f.	Vavding
	PROTEACEAE	
206	<i>Grevillea robusta</i> A.Cunn. ex R.Br.	Silvar Oak
	PUTRANJIVACEAE	
207	<i>Putranjiva roxburghii</i> Wall.	Putranjiva

	RHAMNACEAE	
208	<i>Ziziphus xylopyrus</i> Willd.	Ghatbor
	RHIZOPHORACEAE	
209	<i>Carallia brachiata</i> (Lour.) Merr.	Kirpa
	RUBIACEAE	
210	<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Midhal
211	<i>Gardenia gummifera</i> L.f.	Dikamali
212	<i>Gardenia resinifera</i> Roth.	Dikamali
213	<i>Haldina cordifolia</i> (Roxb.) Ridsdale	Haldu
214	<i>Hymenodictyon orixense</i> (Roxb.) Mabb.	Kadwai
215	<i>Ixora brachiata</i> Roxb.	Gorbale
216	<i>Ixora pavetta</i> Andr.	Lohajangin
217	<i>Meyna laxiflora</i> Robyns	-
218	<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Kalam
219	<i>Morinda citrifolia</i> (L.)	Bartundi
220	<i>Morinda pubescens</i> J.E. Sm.	Aal
221	<i>Morinda pubiofficinalis</i> Y.Z.Ruan	-
222	<i>Neolamarckia cadamba</i> (Roxb.) Bosser	Kadam
223	<i>Pavetta hispidula</i> Wight & Arn.	-
224	<i>Psydrax umbellata</i> (Wight) Bridson	-
225	<i>Wendlandia heynei</i> (Schult.) Santapau & Merchant	Nerkhi
	RUTACEAE	
226	<i>Aegle marmelos</i> (L.) Corr.	Bili
227	<i>Chloroxylon swietenia</i> DC.	Bhirra
228	<i>Feronia elephantum</i> Corr.	Kothi
229	<i>Limonia acidissima</i> Groff	Kotha
230	<i>Murraya koenigii</i> (L.) Spreng.	Kari Patta
231	<i>Murraya paniculata</i> (L.) Jack	Kunti Kamini
232	<i>Zanthoxylum rhetsa</i> (Roxb.) DC	-
	SALICACEAE	
233	<i>Casearia graveolens</i> Dalzell	Safed Karai
234	<i>Casearia nigrescens</i> Tul.	-
235	<i>Casearia tomentosa</i> Roxb.	Munjhad
236	<i>Flacourtia indica</i> (Burm.f.) Merr.	Bilangada
	SALVADORACEAE	
237	<i>Salvadora persica</i> L.	Piludi
	SANTALACEAE	
238	<i>Santalum album</i> L.	Chandan
	SAPINDACEAE	
239	<i>Filicium decipiens</i> (Wight & Arn.) Thwaites	Fern Tree
240	<i>Koelreuteria paniculata</i> Laxm.	-
241	<i>Litchi chinensis</i> Sonn.	Litchi
242	<i>Pleiogynium cerasiferum</i> R.Parker	-
243	<i>Sapindus emarginatus</i> Vahl	Aritha

244	Sapindus saponaria Vahl.	-
245	Schleichera oleosa (Lour.) Oken)	Kusum
	SAPOTACEAE	
246	Madhuca longifolia var. latifolia (Roxb.) A.Chev.	Mahudo
247	Manilkara hexandra (Roxb.) Dub.	Rayan
248	Manilkara zapota (L.) P.Royen	Chiku
249	Mimusops elengi L.	Borsali
	SIMAROUBACEAE	
250	Ailanthus excelsa Roxb.	Arduso
	STERCULIACEAE	
251	Duabanga grandiflora (DC.) Walp.	Duabanga
252	Eriolaena stocksii Hook.f. & Thomson ex Mast.	Zhad Bhindo
253	Helicteres isora L.	Mardasing
254	Sterculia foetida L.	Jungli Badam
255	Sterculia urens Roxb.	Kadayo
256	Theobroma cacao L	-
	STRELITZIACEAE	
257	Ravenala madagascariensis Sonn	Musafir Kela
	TETRAMELACEAE	
258	Tetrameles nudiflora R. Br.	Jungali Dungy
	THEACEAE	
259	Schima wallichii (DC.) Korth.	-
	TILIACEAE	
260	Erinocarpus nimmonii J.Graham	Jungali Bhindi
261	Grewia tiliifolia Vahl	Dhaman
262	Microcos paniculata L.	
	ULMACEAE	
263	Holoptelea integrifolia Planch.	Pit Papdo
	VERBENACEAE	
264	Vitex peduncularis Wall.ex Schauer.	Nagod ni Jat
265	Vitex pinnata L.	Nagod ni Jat
266	Vitex altissima L.f.	Nagod ni Jat

Palm

Table 4: List of Palms

Sr. No.	Plant Name	English Name
	ARECACEAE	
1	Areca catechu L.	Areca Nut palm
2	Bismarckia nobilis Hildebr. & H.Wendl.	Bismarck Palm
3	Calamus rotang L.	Perambu
4	Cocos nucifera L.	Coconut
5	Cyrtostachys renda Blume	Lipstick Palm

6	<i>Dypsis lutescens</i> (H.Wendl.) Beentje & J.Dransf	Areca Palm
7	<i>Elaeis guineensis</i> Jacq.	African oil Palm
8	<i>Latania lontaroides</i> (Gaertn.) H.E.Moore	Palmpedia
9	<i>Licuala grandis</i> H.Wendl.	Vanuatu Palm
10	<i>Phoenix dactylifera</i> L.	Date Palm
11	<i>Phoenix sylvestris</i> (L.) Roxb.	Date Sugar Palm
12	<i>Rhapis excelsa</i> (Thunb.) Henry	Lady Palm
13	<i>Roystonea regia</i> (Kunth) O.F.Cook	Royal Palm
14	<i>Sabal mexicana</i> Mart.	Cabbage Palm
15	<i>Sabal palmetto</i> (Walter) Lodd. ex Schult. & Schult.f.	Texas Sabal Palm
16	<i>Thrinax radiata</i> Lodd. ex Schult. & Schult.f.	Florida Thatch Palm
17	<i>Wodyetia bifurcata</i> A.K.Irvine	Foxtail Palm

Climbers

Table 5: List of Climbers

Sr. No.	Plant Name	Local Name
	ACANTHACEAE	
1	<i>Thunbergia grandiflora</i> (Roxb. ex Rottl.) Roxb.	Tumakhling
	APOCYNACEAE	
2	<i>Allamanda blanchetii</i> A.DC.	Alamanda Pink
3	<i>Allamanda cathartica</i> L.	Alamanda Yellow
4	<i>Cryptolepis buchananii</i> Roem. & Schult.	Chamar Dudheli
5	<i>Dregea volubilis</i> (L.f.) Benth. ex Hook.f.	Dhor Shree
6	<i>Gymnema sylvestre</i> (Retz.) R.Br. ex Sm.	Madhunashini
7	<i>Hemidesmus indicus</i> (L.) R. Br. ex Schult.	Ananantmul
8	<i>Holostemma ada-kodien</i> Schult.	Khira Vel
9	<i>Ichnocarpus frutescens</i> (L.) W.T.Aiton	Sariva ni jat
10	<i>Leptadenia reticulata</i> (Retz.) Wight & Arn.	Dodi
11	<i>Telosma pallida</i> (Roxb.) W. G. Craib	Surkilla
12	<i>Tylophora indica</i> (Burm. f.) Merr.	Dum Vel
	ARACEAE	
13	<i>Epipremnum pinnatum</i> (L.) Engl	Money Plant
14	<i>Syngonium macrophyllum</i> Engl.	Mota Money Plant
15	<i>Syngonium podophyllum</i> Schott	-
	ASTERACEAE	
16	<i>Tarlmounia elliptica</i> (DC.) H.Rob., S.C.Keeley, Skvarla & R.Chan	Padda Vel
	BIGNONACEAE	
17	<i>Mansoa alliacea</i> (Lam.) A.H.Gentry	Lata Parul
	COMBRETACEAE	
18	<i>Combretum coccineum</i> (Sonn.) Lam.	Bokad vel ni jat
19	<i>Combretum indicum</i> (L.) DeFilippis	Rangun Vel
20	<i>Combretum ovalifolium</i> Roxb.	Bokad Vel

	CELASTRACEAE	
21	<i>Celastrus paniculatus</i> Willd.	Malkangani
	CONVOLVULACEAE	
22	<i>Argyrea nervosa</i> (Burm. f.) Bojer	Samudradosh
23	<i>Ipomoea aquatica</i> Forssk.	Kalmi Sag
24	<i>Ipomoea batatas</i> (L.) Lam.	Sakkariya
25	<i>Ipomoea cairica</i> (L.) Sweet	Railway Piper
26	<i>Ipomoea pes-tigridis</i> L.	Gadadkhura
27	<i>Ipomoea triloba</i> L.	Gagol
28	<i>Operculina turpethum</i> (L.) Silva Manso.	Nashotar
	CUCURBITACEAE	
29	<i>Cayaponia laciniosa</i> (L.) C.Jeffrey	Shivlingi
30	<i>Luffa acutangula</i> (L.) Roxb.	Kadvi Turai
	DIOSCOREACEAE	
31	<i>Dioscorea alata</i> L.	Amchai
32	<i>Dioscorea bulbifera</i> L.	Zimi Kand
33	<i>Dioscorea hispida</i> Dennst.	Vaj Kand
34	<i>Dioscorea wallichii</i> Hook.f.	-
	FABACEAE	
35	<i>Abrus precatorius</i> L.	Chanothi
36	<i>Abrus precatorius</i> L. Blue variant	Lal Chanothi
37	<i>Abrus precatorius</i> L. White variant	Safed Chanothi
38	<i>Cajanus platycarpus</i> (Benth.) Maesen	Supal Singi
39	<i>Cajanus scarabaeoides</i> (L.) Thouars	Supli Sing
40	<i>Canavalia gladiata</i> (Jacq.) DC.	Khadsampal
41	<i>Clitoria ternatea</i> L.	Aparajita
42	<i>Derris scandens</i> Roxb. Benth.	Gonj
43	<i>Lablab purpureus</i> (L.) Sweet	Valod Papadi
44	<i>Mucuna pruriens</i> (L.) DC.	Kuvech
45	<i>Paracalyx scariosus</i> (Roxb.) Ali	Ranval
46	<i>Rhynchosia viscosa</i> (Roth) DC.	Ran Vel
47	<i>Vigna radiata</i> var. <i>sublobata</i> (Roxb.) Verdc.	Jungli Adad
	MALPIGHIACEAE	
48	<i>Hiptage benghalensis</i> (L.) Kurz	Madhvilata
	MENISPERMACEAE	
49	<i>Cissampelos pareira</i> L.	Lanvel
50	<i>Cocculus hirsutus</i> (L.) W.Theob.	Vasan vel
51	<i>Tinospora cordifolia</i> (Willd.) Miers	Galo
	PIPERACEAE	
52	<i>Piper betle</i> L.	Nagar Vel
53	<i>Piper longum</i> L.	Lindipiper
54	<i>Piper nigrum</i> L.	Kalomirich
	PLANTAGINACEAE	
55	<i>Russelia equisetiformis</i> Schldtl. & Cham.	Russelia

	POLYGONACEAE	
56	<i>Antigonon leptopus</i> Hook. & Arn.	Icecream Creeper
	RANANCULACEAE	
57	<i>Clematis brachiata</i> Thunb.	-
	RHAMNACEAE	
58	<i>Ventilago denticulata</i> Willd.	Lokhand Vel
59	<i>Ziziphus rugosa</i> Lam.	Toran Vel
	SAPINDACEAE	
60	<i>Cardiospermum halicacabum</i> L.	Kanphuta
	SMILACACEAE	
61	<i>Smilax zeylanica</i> L.	Kumarika
	VERBENACEAE	
62	<i>Petrea volubilis</i> L.	Nilamba
	VITACEAE	
63	<i>Ampelocissus latifolia</i> (Roxb.) Planch.	Jungali Draksh
64	<i>Cayratia trifolia</i> (L.) Domin	Amboshi
65	<i>Cissus quadrangularis</i> L.	Hadsakal

Ornamentals

Table 6: List of Ornamentals

Sr. No.	Plant Name	English Name
	ACANTHACEAE	
1	<i>Crossandra infundibuliformis</i> (L.) Nees	Firecracker Plant
	AMARYLLIDACEAE	
2	<i>Crinum asiaticum</i> L.	Giant crinum lily
3	<i>Hymenocallis littoralis</i> (Jacq.) Salisb.	Spider Lily
	APOCYNACEAE	
4	<i>Adenium obesum</i> (Forssk.) Roem. & Schult.	Dessert Rose
5	<i>Nerium oleander</i> L.	Oleander Plant
	ARACEAE	
6	<i>Aglaonema costatum</i> N.E.Br.	Aglaonema
7	<i>Aglaonema commutatum</i> Schott ("Silver queen")	Chinese evergreen
8	<i>Pistia stratiotes</i> L.	Water lettuce
9	<i>Zamioculcas zamiifolia</i> (Lodd.) Engl.	Steel Plant
	ARALIACEAE	
10	<i>Schefflera arboricola</i> (Hayata) Merr.	Hawaiian Umbrella
	ASPARAGACEAE	
11	<i>Agave americana</i> L.	Agave
12	<i>Beaucarnea recurvata</i> Lem.	Ponytail Palm
13	<i>Dracaena reflexa</i> Lam.	Dracaena
14	<i>Furcraea foetida</i> (L.) Haw.	Cuba Hemp
15	<i>Ophiopogon clarkei</i> Hook.f.	Clarks Lily Turf
	ASTERACEAE	
16	<i>Tarlmounia elliptica</i> (DC.) "H.Rob., S.C.Keeley, Skvarla &	Curtain Creeper

	R.Chan"	
17	Tagetes erecta L.	Maxican Marigold
	BEGONIACEAE	
18	Begonia cucullata Willd.	Clubed Begonia
19	Begonia phrixophylla Blatt. & McCann	Shimpli
20	Tecoma stans (L.) Juss. ex Kunth	Yellow Trumpet
	CRASSULACEAE	
21	Crassula ovata (Mill.) Druce	Jade Plant
	CUPRESSACEAE	
22	Biota orientalis (L.) Endl.	Biota
	EUPHORBIACEAE	
23	Acalypha wilkesiana Müll.Arg.	Jacob's Coat
24	Euphorbia cotinifolia L.	Maxican Spurge
25	Euphorbia milii Des Moul.	Christ Plant
26	Euphorbia pulcherrima Willd.ex Klotzsch	Pavansetiya
27	Jatropha podagrica Hook.	Bottle Plant
	HELICONIACEAE	
28	Heliconia rostrata Ruiz & Pav.	Lobster Claw
	HYDROCHARITACEAE	
29	Hydrilla verticillata (L.f.) Royle	Hydrilla
	LAMIACEAE	
30	Clerodendrum thomsoniae Balf.f.	Bleeding Glory
	MALVACEAE	
31	Hibiscus rosa-sinensis cv. sylvia Goodman	Jasud
	MARANTACEAE	
32	Calathea zebrina (Sims) Lindl.	Zebra Plant
	NYMPHAEACEAE	
33	Nymphaea nouchali Burm.f.	Blue Lotus
	OLEACEAE	
34	Jasminum grandiflorum L.	Spanish Jasmin
35	Jasminum sambac (L.) Aiton	Arabian Jasmin
	PASSIFLORACEAE	
36	Passiflora edulis Sims	Passion Fruit
	POLYPODIACEAE	
37	Microsorium punctatum (L.) Copel.	Fish Tail Fern
	PORTULACACEAE	
38	Portulaca umbraticola Kunth	Ten O'clock Plant
	RUBIACEAE	
39	Arachnothryx leucophylla (Kunth) Planch.	Panama Rose
40	Ixora chinensis Lam.	Chinese Ixora
41	Ixora coccinea L. (Orange flower)	Flame of Woods
42	Ixora coccinea L. (Pink flowers)	Jungle Geranium
	VERBENACEAE	
43	Duranta erecta L.	Duranta

Cacti & Succulents

Table 7: List of Cacti and Succulents

Sr. No.	Plant Name	English Name
	AIZOACEAE	
1	<i>Aptenia cordifolia</i> (L.f.)	Rock Rose
	APOCYNACEAE	
2	<i>Stapelia gigantea</i> N.E. Br.	Carrion Plant
	ASCLEPIADACEAE	
3	<i>Orbea dummeri</i> (N.E. Br.) Bruyns	-
	ASPARAGACEAE	
4	<i>Agave Americana</i> L.	Agave, Century Plant
5	<i>Agave ishthmensis</i> A.Garcia –mend. & F.Palma	Dwarf Butterfly Agave
6	<i>Agave salmiana</i> Otto ex Salm-Dyck	Pulque Agave
7	<i>Agave univittata</i> Haw.	Thorn–Crested Century Plant
8	<i>Agave xylonacantha</i> Salm-Dyck	Saw Leaf Agave
9	<i>Sansevieria cylindrica</i> Bojer ex. Hook.	Cylindrical snake Plant
10	<i>Sansevieria kirkii</i> Baker.	Star Sansevieria
11	<i>Sansevieria trifasciata</i> Prain	Snake Plant
12	<i>Sansevieria zeylanica</i> (L.) willd.	Ceylon
	ASPHODELACEAE	
13	<i>Aloe humilis</i> (L.) Mill.	Spider Aloe
14	<i>Aloe jucunda</i> Reynolds	Aloe
15	<i>Aloe juvenna</i> Brandham & S.Carter	Tiger Tooth Aloe
16	<i>Aloe rauhii</i> Reynolds	Snowflake Aloe
17	<i>Aloe somaliensis</i> C.H. Wright	Short Stemed Aloe
18	<i>Haworthia attenuata</i> (Haw.)	Zebra Plant
19	<i>Haworthia herbacea</i> var. <i>herbacea</i>	Pearl Plant
20	<i>Haworthia Limifolia</i> Marloth	File Leafed Haworthia
21	<i>Haworthia Limifolia</i> var. <i>gigantea</i> M.B.Bayer	Haworthia
	BROMELIACEAE	
22	<i>Dyckia brevifolia</i> Baker	Yellow Glow
	CACTACEAE	
23	<i>Acanthocereus tetragonus</i> (L.) Hummelinck	Barbed wire Cactus
24	<i>Astrophytum ornatum</i> (DC.) Britton & Rose	Monk's Hood
25	<i>Cleistocactus winteri</i> D.R .Hunt	Golden Rat Tail
26	<i>Cleistocactus straussii</i> (Heese) Backeb.	Silver Torch Cactus
27	<i>Coryphantha Elephantidens</i> (Lem.) Lem.	Elephants Tooth
28	<i>Echinocactus grusonii</i> Hildm.	Golden Barrel Cactus
29	<i>Echinocereus pentalophus</i> (DC.)Lem	Lady Finger Cactus
30	<i>Echinopsis obrepanda</i> (salm-Dyck) K.Schum.	Violet Easter Lily
31	<i>Echinopsis oxygona</i> (Link) Zucc. ex.pfeiff.& otto	Easter Lily
32	<i>Espostoa melenostele</i> (vaupel) Borg	Peruvian Old Lady
33	<i>Ferocactus peninsulae</i> (A.A.Weber) Britton & Rose	Barrel Cactus
34	<i>Gymnocalycium mihanovichii</i> (fric ex Gurke))	Plaid Cactus

	Britton & Rose	
35	<i>Gymnocalycium saglionis</i> (Cels.) Britton & Rose	Gaint Plaid Cactus
36	<i>Hylocereus undatus</i> (Haw.) Britton & Rose	White-fleshed Pitahaya
37	<i>Lophophora williamsii</i> (Lem.ex salm-Dyck) J.M.Coult.	Peyote
38	<i>Mammillaria albilanata</i> Backeb.	Clumping Cactus
39	<i>Mammillaria beneckeii</i> Ehrenb.	Benecke's Nipple Cactus
40	<i>Mammillaria bombyciana</i> Quehl.	Silken Pincushion Cactus
41	<i>Mammillaria celsiana</i> L.	Globose Cactus
42	<i>Mammillaria compressa</i> DC.	Mother Of Hundreds
43	<i>Mammillaria elongata</i> DC.	Ladyfinger Cactus
44	<i>Mammillaria elongata</i> subsp.echinaria (DC.) D.R Hunt	Copper King
45	<i>Mammillaria flavescens</i> Var.Nivosa (Link ex pfeiff.) Backeb.	Woolly Nipple Cactus
46	<i>Mammillaria gracilis</i> pfeiff.	Thimble Cactus
47	<i>Mammillaria hahniana</i> Werderm.	Old Lady Cactus
48	<i>Mammillaria heyderi</i> muehlenpf.	Little Nipple Cactus
49	<i>Mammillaria longimamma</i> DC.	Pinapple Cactus
50	<i>Mammillaria matudae</i> Bravo.	Columnar Cactus
51	<i>Mammillaria prolifera</i> (Mill.) Haw.	Nipple Cactus
52	<i>Mammillaria rhodantha</i> subs.pringlei.	Lemon Ball Cactus
53	<i>Mammillaria schiedeana</i> Ehrenb.	Cespitose Cactus
54	<i>Mammillaria seideliana</i> (Quehl) Britton & Rose	-
55	<i>Mammillaria spinosissima</i> Lem.	Spiny Pincushion Cactus
56	<i>Mammillaria voburnensis</i> Scheer.	-
57	<i>Mammillaria zeilmanniana</i> Boed.	Rose Pincushion Cactus
58	<i>Marginatocereus marginatus</i> (DC.) BackeB.	Giro Magi Cactus
59	<i>Melocactus azureus</i> Buining & Brederoo	Turk's Cap Cactus
60	<i>Myrtillocactus geometrizans</i> (Mart.ex Pfeiff.)	Blue Candle
61	<i>Neomammillaria candida</i> (scheidw.) Britton & Rose	Snowball
62	<i>Neomammillaria seideliana</i> (Quehl) Britton & Rose	-
63	<i>Notocactus mammulosus</i> (Lem.) A.Berger	Tom Thumb Cactus
64	<i>Notocactus crassigibbus</i> F. Ritter	-
65	<i>Opuntia auriculata</i> (Pfeiff.) D.R.Hunt	-
66	<i>Opuntia Cylindrica</i> (Lam.) DC.	Prickly Pear
67	<i>Opuntia elatior</i> Mill.	Red Flower prickly Pear
68	<i>Parodia magnifica</i> (F.Ritter) F.H.Brandlt	Ballon Cactus
69	<i>Peniocereus maculatus</i> (Weing.) Cutak	-
70	<i>Pereskiaopsis rotundifolia</i> (DC.) Britton and Rose	-
71	<i>Philosocereus leucocephalus</i> (Poselger) Byles & G.D. Rowley	Old Man Cactus
72	<i>Selenicereus grandiflorus</i> (L.) Britton & Rose	Queen of Night
73	<i>Stenocereus thurberi</i> (Engelm.) Buxb.	Organ Pipe Cactus
74	<i>Thelocactus setispinus</i> (Englem.) E.F.Anderson	Hedgehog Cactus

CRASSULACEAE		
75	<i>Kalanchoe houghtonii</i> D.B.Ward	Aligator Plant
76	<i>Kalanchoe blossfeldiana</i> Poelln.	Christmas Kalanchoe
77	<i>Kalanchoe daigremontiana</i> Raym.-Hamet & H.	Devils Backbone
78	<i>Kalanchoe gastonis-bonnieri</i> Raym.-Hamet & H. Perrier	Donkey Ears
79	<i>Sedum nussbaumerianum</i> Bitter	Coppertone Sedum
DIDIEREACEAE		
80	<i>Alluaudia procera</i> (Drake) Drake	Madagascan Octillo
EUPHORBIACEAE		
81	<i>Euphorbia ambarivatoensis</i> Rauh & Bard.-vauc.	-
82	<i>Euphorbia antisiphilitica</i> Zucc.	Wax Plant
83	<i>Euphorbia decaryi</i> Guillaumin	Wrinkled Leaf spurge
84	<i>Euphorbia keithii</i> R.A.Dyer	-
85	<i>Euphorbia lactea</i> Haw.	Milk striped
86	<i>Euphorbia stenoclada</i> Baill.	Stiver Thicket
87	<i>Euphorbia tirucalli</i> L.	Pencil Cactus
88	<i>Euphorbia tithymaloides</i> L.	Devil's Backbon
89	<i>Euphorbia triangularis</i> Desf. ex A.Berger	River Euphorbia
90	<i>Euphorbia trigona</i> Mill.	African Milk Tree
91	<i>Euphorbia viguieri</i> Denis	Viguier's Spurge

Tubers

Table 8: List of Tubers

Sr. No.	Plant Name	Local Name
AMARYLLIDACEAE		
1	<i>Allium sativum</i> L.	Lasan
2	<i>Pancratium longiflorum</i> Roxb.ex Ker Gawl.	Kavali na mama
APOCYNACEAE		
3	<i>Ceropegia candelabrum</i> L.	Patalumbi
4	<i>Ceropegia odorata</i> Nimmo	Kanvel
APIACEAE		
5	<i>Pimpinella saxifrage</i> L.	Bafadi
ARACEAE		
6	<i>Alocasia macrorrhizos</i> (L.) G.Don	Hathi Pan Sadu
7	<i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson	Jungali Suran
8	<i>Arisaema murrayi</i> (J.Graham) Hook.	Sarp Kand
9	<i>Arisaema pentaphyllum</i> (L.) Schott	Feliyo Kand
ASPARAGACEAE		
10	<i>Chlorophytum borivilianum</i> Santapau & R.R.Fern.	Kali Musali
11	<i>Chlorophytum tuberosum</i> (Roxb.) Baker	Safed Musali
12	<i>Drimia indica</i> (Roxb.) Jessop	Jungali Dungali
COLCHICACEAE		
13	<i>Gloriosa superba</i> L.	Vachnag

	COSTACEAE	
14	<i>Cheilocostus speciosus</i> (J.Koenig) C.D.Specht	Pevta Kand
	CUCURBITACEAE	
15	<i>Momordica dioica</i> Roxb.ex Willd.	Kankoda
	DIOSCOREACEAE	
16	<i>Dioscorea esculenta</i> (Lour.) Burkill	Ratalu
17	<i>Dioscorea pentaphylla</i> L.	Lundi Kand
	FABACEAE	
18	<i>Pueraria tuberosa</i> (Willd.) DC.	Vidari Kand
19	<i>Vigna vexillata</i> (L.) A.Rich.	Halund
	HYPOXIDACEAE	
20	<i>Curculigo orchioides</i> Gaertn.	Khajuriya
	ORCHIDACEAE	
21	<i>Geodorum densiflorum</i> (Lam.) Schltr.	-
22	<i>Nervilia aragoana</i> Gaudich.	Dukkar Kand
23	<i>Nervilia plicata</i> (Andrews) Schltr.	Dukkar Kand ni jat
	VITACEAE	
24	<i>Cayratia carnososa</i> (Lam.) Gagnep.	Tinvaniya
25	<i>Cissus repanda</i> (Wight & Arn.) Vahl	Pani Vel
26	<i>Cissus trifoliata</i> L.	-
	ZINGIBERACEAE	
27	<i>Curcuma caesia</i> Roxb.	Kali Haldar
28	<i>Curcuma longa</i> L.	Haldar

Bamboos

Table 9: List of Bamboos

Sr. No.	Plant Name	English Name
	POACEAE	
1	<i>Bambusa bambos</i> (L.) Voss	Giant Thorny Bamboo
2	<i>Bambusa multiplex</i> (Lour.) Raeusch.ex Schult.	Hedge Bamboo
3	<i>Bambusa nutans</i> Wall. ex Munro	Buddha Bamboo
4	<i>Bambusa polymorpha</i> Munro	Burmese Bamboo
5	<i>Bambusa tulda</i> Roxb.	Indian Timber Bamboo
6	<i>Bambusa vulgaris</i> Schrad.	Golden Bamboo
7	<i>Cephalostachyum pergracile</i> Munro	Tinwa Bamboo
8	<i>Dendrocalamus asper</i> (Schult.) Backer	Rough Giant Bamboo
9	<i>Dendrocalamus brandisii</i> (Munro) Kurz	Velvet Leaf Bamboo
10	<i>Dendrocalamus giganteus</i> Munro	Dragon Bamboo
11	<i>Dendrocalamus longispathus</i> (Kurz) Kurz	Rupai Bamboo
12	<i>Dendrocalamus strictus</i> (Roxb.) Nees	Calcutta Bamboo
13	<i>Guadua angustifolia</i> Kunth	Columbia Giant Thorny

14	Melocanna baccifera (Roxb.) Kurz	Striped Bamboo
15	Ochlandra scriptoria (Dennst.) C.E.C.Fisch.	Indian Bamboo
16	Phyllostachys aurea Rivière & C.Rivière	Fish Pole Bamboo
17	Phyllostachys nigra (Lodd. ex Lindl.) Munro	Black Bamboo
18	Pseudosasa japonica (Steud.) Makino	Arrow Bamboo
19	Pseudoxytenanthera stocksii (Munro) T.Q.Nguyen	Iron Bamboo
20	Sasa palmata (Burb.) E.G.Camus	Broad Leaf Bamboo
21	Thyrosostachys oliveri Gamble	Lati Mula Bamboo

WAGHAI BOTANICAL GARDEN'S TOTAL PLANTS

Table 10: Waghai Botanical Garden's Total plants

Sr. No.	Habit	Numbers of Plant Species
1	Herb	298
2	Shrubs	95
3	Trees	266
4	Palms	17
5	Climbers	65
6	Ornamentals	43
7	Cacti & Succulents	91
8	Tubers	28
9	Bamboos	21
Total		924

(Many Ornamental plants are covered under Herb)

Data collection during all projects:

Project Phase 1 (9 Month):- **449 plant species**

Project Phase 2 (6 Month):- **131 plant species**

Project Phase 3 (6 Month):- **344 plant species**

4. Other than Research:

4.1 Publication: Published Book on “Vanaspati ek Khoj” and “Jungal ka khanakhajana” during Botany Fest 2020.

4.1.1 **Jungal ka Khanakhajana:** It is book that provides insight into the food that one can consume while wandering in wild. In today’s world where we are surrounded by hybrids, GMOs as well as chemically grown foods with packaged edibles immersed preservatives and stabilizers and all sorts of other chemicals, this book take you back into the time when humans wandered into forest and ate different plants and plant parts that were available to them in wild. Along with list of ingredients that can be used from wild, this book is provided with complete recipe of how to prepare those dishes, with the help of tribles as well as other local people who still use forest products as their daily diet. 12 different kinds of recipes are given along with ingredients as well as method and procedure to prepare them. On top of them nutritional value of different ingredients have also been mentioned.

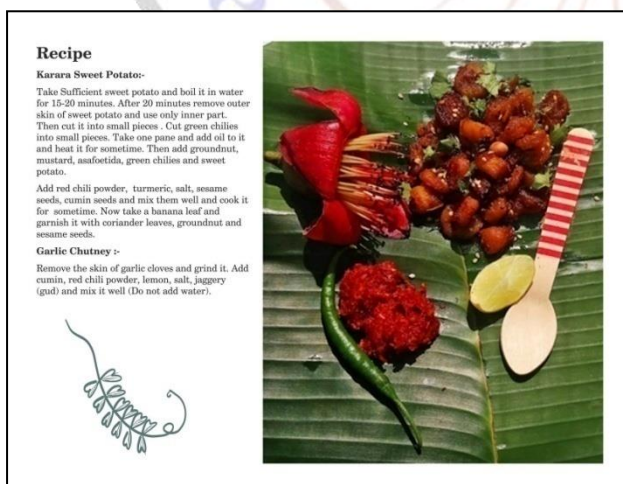


Fig. 12 Front, back and inside pages of Jungle ka Khanakhajana Book

4.1.2 Vanaspati ek Khoj:

The game 'Vanaspati ek Khoj' is botanical version of 'treasure hunt'. In this game, the guide or botanists will introduce the Botanical Garden to participants or visitors along with the information of more than 100 plants. Participants has to listen carefully what is being taught by the guide or botanists. With the help of guide script, the guide or botanists will give information about the plant to the visitors or participants.

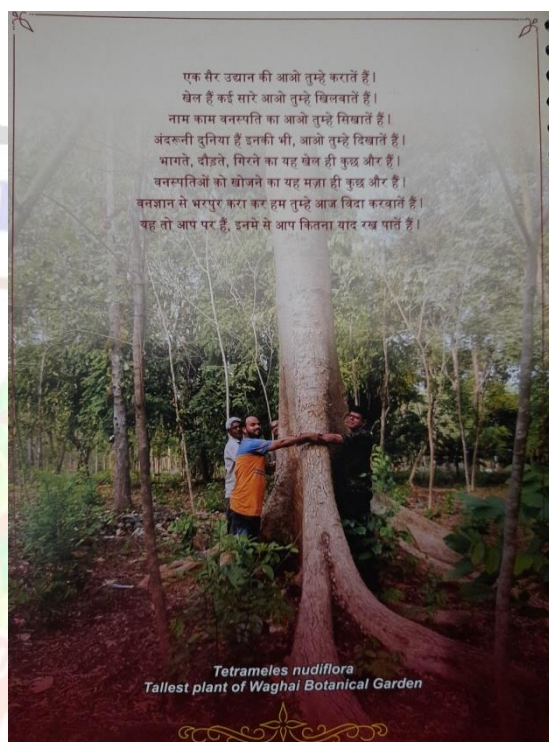
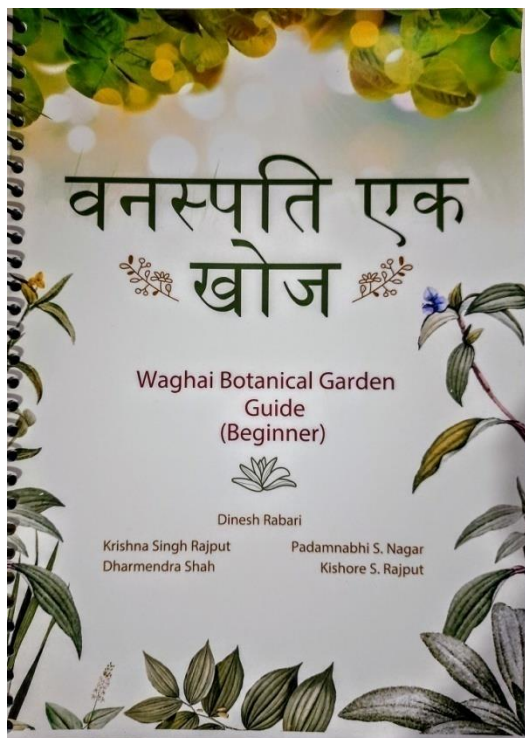


Fig. 13 Front and back pages of Vanspati ek khoj book

Name and Signature/Stamp with Date

a. _____
(Project Coordinator/Principal Investigator)

ANNEXURE

Annexure 1: Arogyavan – Herb Section

Sr.no	Family	Botanical name	Local name
1	Malvaceae	Abelmoschus moschatus Medik.	Jangli bhindi
2	Malvaceae	Abutilon indicum (L.) Sweet	Kanshki
3	Amaranthaceae	Achyranthes aspera L.	Andhedo
4	Amaranthaceae	Achyranthes coynei Santapau	Lal aghada
5	Asteraceae	Acmella oleracea (L.) R.K.Jansen	Akkal karo pilo
6	Asteraceae	Acmella paniculata (Wall. ex DC.) R.K.Jansen	Akkal karo
7	Asteraceae	Acmella radicans (Jacq.) R.K.Jansen	White akkalkaro
8	Amaranthaceae	Aerva lanata (L.) Juss.	Gorakh ganju
9	Cactaceae	Aloe barbadensis Mill.	Kuvarpathu
10	Acanthaceae	Andrographis echinoides (L.) Nees	Kalu kariyatu
11	Acanthaceae	Andrographis paniculata (Burm.f.) Nees	Lilu kariyatu
12	Poaceae	Andropogon citratus DC.	Lili cha
13	Convolvulaceae	Argyreia nervosa (Burm. f.) Bojer	Samudrashok
14	Asteraceae	Artemisia annua L.	
15	Asparagaceae	Asparagus adscendens Roxb.	Dariyai gajwel
16	Asparagaceae	Asparagus gonocladus Baker	Shatavari
17	Asparagaceae	Asparagus racemosus Willd.	Shatavari
18	Plantaginaceae	Bacopa monnieri (L.) Wettst.	Jalnevri
19	Acanthaceae	Barleria cristata L.	Ziti
20	Acanthaceae	Barleria gibsonii Dalzell	Kantasherio
21	Acanthaceae	Barleria grandiflora Dalzell	White kantasherio
22	Acanthaceae	Barleria lawii T.Anderson	Kantasherio
23	Acanthaceae	Barleria lupulina Lindl.	Kantasherio
24	Acanthaceae	Barleria prionitis L.	Pilo kantasheliyo
25	Basellaceae	Basella alba L.	White poivel
26	Basellaceae	Basella rubra L.	Red poivel
27	Nyctaginaceae	Boerhavia chinensis (L.) Rottb.	Satodi
28	Nyctaginaceae	Boerhavia diffusa L.	Punarnava
29	Cannabaceae	cannabis sativa L.	Ganjo
30	Sapindaceae	Cardiospermum halicacabum L.	Kagdoliyo
31	Acanthaceae	Carvia callosa (Nees) Bremek.	Kerdi
32	Celastraceae	Celastrus paniculatus Willd.	Malkangoni
33	Apiaceae	Centella asiatica (L.) Urb.	Brahmi
34	Menispermaceae	Cissampelos pareira L.	Venivel
35	Vitaceae	Cissus quadrangularis L.	Hadsakal
36	Menispermaceae	Cocculus hirsutus (L.) W.Theob.	Jaljamini
37	Lamiaceae	Coleus amboinicus Lour.	Ajama na pan
38	Lamiaceae	Coleus forskohlii (Willd.) Briq.	Gurmar

39	Acanthaceae	Crossandra infundibuliformis (L.) Nees	Amboli
40	Leguminoceae	Crotalaria hirsuta Willd.	Fatakiyo
41	Leguminoceae	Crotalaria juncea L.	Shan
42	Leguminoceae	Crotalaria leptostachya Benth.	Khuli khuli
43	Leguminoceae	Crotalaria verrucosa L.	Shankpushpi
44	Asclepiadaceae	Cryptolepis buchananii Roem. & Schult.	Rabar vel
45	Asteraceae	Cyanthillium cinereum (L.) H.Rob.	Sahdei
46	Poaceae	Cymbopogon citratus (DC.) Stapf	Lili cha
47	Poaceae	Cymbopogon martini (Roxb.) W.Watson	Rosa ghas
48	Poaceae	Cymbopogon sp.	Ghass
49	Leguminoceae	Desmodium barbatum (L.) Benth.	Salparni
50	Leguminoceae	Desmodium gangeticum (L.) DC.	Aekparni pada
51	Leguminoceae	Desmodium triflorum (L.) DC.	Zinko pandadiyo
52	Leguminoceae	Desmostachya bipinnata (L.) Stapf	Salparni
53	Asclepiadaceae	Dregea volubilis (L.f.) Benth.ex Hook.f.	Haran dodi
54	Asteraceae	Eclipta prostrata (L.) L.	Bhangro
55	Gentianaceae	Enicostema axillare (Poir. ex Lam.) A.Raynal	Kadvinai
56	Acanthaceae	Eranthemum roseum (Vahl) R.Br.	Das muli
57	Euphorbiaceae	Euphorbia hirta L.	Dudheli
58	Convolvulaceae	Evolvulus nummularius (L.) L.	Mushakarni
59	Fabaceae	Flemingia strobilifera (L.) W.T.Aiton	Popatiyo
60	Asclepiadaceae	Gymnema sylvestre (Retz.) R.Br. ex +Sm.	Madhunashini
61	Asclepiadaceae	Hemidesmus indicus (L.) R. Br. ex Schult.	Ananat mul
62	Malvaceae	Hibiscus cannabinus L.	Bhindi
63	Malvaceae	Hibiscus sabdariffa L.	Amabdi
64	Asclepiadaceae	Holostemma ada-kodien Schult.	Shree dodi
65	Acanthaceae	Hygrophila auriculata (Schumach.) Heine	Talimkhana
66	Fabaceae	Indigofera tinctoria L.	Gali
67	Convolvulaceae	Ipomoea batatas (L.) Lam.	Sakkaria
68	Asteraceae	Launaea sarmentosa (Willd.) Sch.Bip. ex Kuntze	Bhoypatri
69	Asclepiadaceae	Leptadenia reticulata (Retz.) Wight & Arn.	Mithi dodi
70	Martyniaceae	Martynia annua L.	Vichudo
71	Lamiaceae	Mentha piperita L.	Fudina ni jat
72	Lamiaceae	Mentha arvensis L.	Fudino
73	Nyctaginaceae	Mirabilis jalapa L.	Gulbas
74	Mimosaceae	Mimosa pudica L.	Lajamani
75	Acanthaceae	Neuracanthus sphaerostachys Dalzell	Ganthera
76	Lamiaceae	Ocimum basilicum L.	Damro
77	Lamiaceae	Ocimum basilicum var. mthylchevicol	Damro

78	Lamiaceae	Ocimum basilicum var. thyrsoiflorum (L.) Benth.	Damra ni jat
79	Lamiaceae	Ocimum gratissimum L.	Ram tulsi
80	Lamiaceae	Ocimum sanctum L.	Tulsi
81	Lamiaceae	Ocimum tenuiflorum L.	Shyam tulsi
82	Pedaliaceae	Pedaliium murex L.	Ubhu gokhru
83	Piperaceae	Piper betle L.	Nagarvel
84	Piperaceae	Piper cubeba L.f.	Mari ni jat
85	Piperaceae	Piper longum L.	Lindipiper
86	Piperaceae	Piper nigrum L.	Kalimari
87	Piperaceae	Plumbago indica L.	Lal chitrak
88	Plumbaginaceae	Plumbago zeylanica L.	Safed chitrak
89	Plumbaginaceae	Pogostemon benghalensis (Burm.f.) Kuntze	Pangali
90	Fabaceae	Psoralea corylifolia L.	Gavarfali
91	Acanthaceae	Ruellia patula Jacq.	Fatakdi
92	Cesalpiniaceae	Senna occidentalis (L.) Link	Kasundari
93	Cesalpiniaceae	Senna sophera (L.) Roxb.	Kasundari ni jat
94	Cesalpiniaceae	Senna tora (L.) Roxb.	Kuvadiyo
95	Malvaceae	Sida acuta Burm.f.	Bala
96	Malvaceae	Sida cordifolia L.	Bala
97	Malvaceae	Sida rhombifolia L.	Bala ni jat
98	Malvaceae	Sida spinosa L.	Atibala
99	Smilacaceae	Smilax zeylanica L.	Kumarika
100	Solanaceae	Solanum indicum L.	Jungli ringani
101	Solanaceae	Solanum nigrum L.	Kamperu
102	Solanaceae	Solanum pseudocapsicum L.	
103	Solanaceae	Solanum surattense Burm.	Bhoyringani
104	Asteraceae	Sphagneticola trilobata (L.) Pruski	
105	Verbanaceae	Stachytarpheta cayennensis (Rich.) Vahl	
106	Portulacaceae	Talinum paniculatum (Jacq.) Gaertn.	Silon palan
107	Asclepiadaceae	Telosma pallida (Roxb.) W. G. Craib	Varsha dodi
108	Fabaceae	Tephrosia purpurea (L.) Pers.	Sharpankho
109	Fabaceae	Tephrosia villosa (L.) Pers.	Rushalo sharpankho
110	Menispermaceae	Tinospora cordifolia (Willd.) Miers	Galo
111	Zygophyllaceae	Tribulus pentandrus Forssk.	Gokhar ni jat
112	Asteraceae	Tridax procumbens (L.) L.	Pardeshi bhango
113	Asclepiadaceae	Tylophora indica (Burm. f.) Merr.	Damvel
114	Acanthaceae	Ruellia tuberosa Jacq.	Fatakdi ni jat
115	Fabaceae	Uria lagopodoides (L.) DC.	Lobby ashul
116	Fabaceae	Uria picta (Jacq.) DC.	Pilo samero
117	Malvaceae	Urena lobata L.	Vagh panjo
118	Poaceae	Vetiveria zizanioides (L.) Nash.	Sugandhi ghas
119	Solanaceae	Withania somnifera (L.) Dunal	Ashwagandha

Annexure 2: Arogyavan-Shrub and Tree Section

Sr.no	Family	Botanical name	Local name
1	Mimosaceae	Acacia lucophloea (Roxb.) Willd.	Subaval
2	Mimosaceae	Acacia nilotica (L.) Delile	Baval
3	Mimosaceae	Acacia senegal (L.) Willd.	Kanti kher
4	Simaroubaceae	Ailanthus excelsa Roxb.	Arduso
5	Alangiaceae	Alangium salvifolium (L.) Wangerin.	Ankol
6	Malvaceae	Alcea rosea L.	
7	Lamiaceae	Anisomeles indica (L.) Kuntze	Faglut
8	Anonaceae	Annona reticulata L.	Ram fal
9	Anonaceae	Annona squamosa L.	Sitafal
10	Euphorbiaceae	Antidesma acidum Retz	Ragatrohido
11	Euphorbiaceae	Antidesma ghesaembilla Gaertn. Fruct.	Ragatrohido
12	Anonaceae	Artabotrys hexapetalus (L.f.) Bhandari	Lilo champo
13	Averrhoaceae	Averrhoa carambola L	Kamrakh
14	Meliaceae	Azadirachta indica A.Juss.	Limdo
15	Balanitaceae	Balanites aegyptiaca (L.) Delile	Gara-chettu
16	Bombacaceae	Bombax ceiba L.	Shimlo
17	Burseraceae	Bosewellia serrata Roxb.	Salai google
18	Phyllanthaceae	Breynia retusa (Dennst.) Alston	
19	Phyllanthaceae	Bridelia retusa (L.) A.Juss.	Aekalkanto
20	Leguminosae	Butea monosperma (Lamk.) Taub.	Kesudo, palas,
21	Caesalpiniaceae	Caesalpenia bonduc (L.) Roxb.	Kanchko
22	Apocynaceae	Calotropis gigantea (L.) Dryand.	Moto ankdo
23	Apocynaceae	Calotropis procera (Ait.) R. Br.	Ankdo
24	Capparaceae	Capparis spinosa L.	-
25	Apocynaceae	Carissa congesta Wight.	Karamda
26	Acanthaceae	Carvia callosa (Nees) Bremek.	Carvy
27	Rutaceae	Citrus limon (L.) Burm. F.	Limbu
28	Acanthaceae	Clerodendrum multiflorum O.Ktze.	Arani
29	Fabaceae	Dalbergia latifolia Roxb.	Sisam
30	Fabaceae	Dalbergia sisoo Roxb.	Kalu shisam
31	Solanaceae	Datura metel L.	Dhaturo
32	Cesalpiniaceae	Delonix regia (Boj.) Raf.	Gulmahor
33	Moraceae	Ficus carica L.	Anjeer
34	Moraceae	Ficus racemosa L.	Umbro
35	Moraceae	Ficus religiosa L.	Piplo
36	Rubiaceae	Flueggea virosa (Roxb. Ex Willd.) Royle	-
37	Rubiaceae	Gardenia resinifera Roth.	Dikamali
38	Tiliaceae	Grewia hirsuta Vahl	Dhamana
39	Celastraceae	Gymnosporia emarginata (Willd.) Thwaites	Viklo

40	Sterculiaceae	Helicteres isora L.	Marda sing
41	Malvaceae	Hibiscus rosa-sinensis L.	Jasud
42	Apocynacea	Holarrhena pubescens Wall. Ex G.Don	Burai kudi
43	Rubiaceae	Hymenodictyon orixense (Roxb.) Mabb.	-
44	Euphorbiaceae	Jatropha curcas L.	Ratanjyot
45	Acanthaceae	Justicia adhatoda L.	Ardushi
46	Lythraceae	Lagerstromia parvifolia Roxb.	Bondaro
47	Verbenaceae	Lantana camara L.	Gandharu
48	Rutaceae	Limonia acidissima L.	Kothu
49	Meliaceae	Melia azedarach L.	Mahaneem
50	Rubiaceae	Meyna laxiflora Robyns	Aval
51	Anonaceae	Milium tomentosum (Roxb.) J. Sinclair	Humba
52	Rubiaceae	Mitragyna parvifolia (Roxb.) Korth.	Kalam
53	Rubiaceae	Morinda pubiofficinalis Y.Z.Ruan	Aal
54	Moringaceae	Moringa oleifera Lamk.	Saragavo
55	Moraceae	Morus alba L.	Setur
56	Rutaceae	Murraya koenigii (L.) Spr.	Kadhi limdo
57	Rubiaceae	Neolamarckia cadamba (Roxb.) Bosser	Kadam
58	Oleaceae	Nyctanthus arbortristis Linn.	Parijatak
59	Cactaceae	Opuntia elatior Mill.	Fafda thor
60	Bignoneaceae	Oroxylum indicum (L.) Vent.	Tetu
61	Phyllanthaceae	Phyllanthus acidus (L.) Skeels	Khata amla
62	Phyllanthaceae	Phyllanthus emblica L.	Amla
63	Fabaceae	Pongamia pinnata (L.) Pierre	Karanj
64	Myrtaceae	Psidium guajava L.	Jamrukh
65	Fabaceae	Pterocarpus marsupium Roxb.	Biyo
66	Lythraceae	Punica granatum L.	Dadam
67	Euphorbiaceae	Ricinus communis L.	Divelo
68	Sapindaceae	Sapindus emarginatus Vahl	Aritha
69	Leguminosae	Saraca indica L	Sita ashok
70	Leguminosae	Senna auriculata (L.) Roxb.	
71	Bignoneaceae	Stereospermum chelenoides (L.f.) DC.	Patla
72	Apocynaceae	Tabernaemontana divaricata (L.) R. Br. Ex Roem. & Schult.	Tagar
73	Lamiaceae	Tectona grandis L.f.	Sag
74	Combretaceae	Terminalia arjuna (Roxb. Ex DC.) Wight & Arn.	Arjun sadad
75	Combretaceae	Terminalia bellirica (Gaertn.) Roxb.	Baheda
76	Combretaceae	Terminalia chebula Retz.	Harde
77	Apocynaceae	Tylophora indica (Burm. F.) Merr.	Dam vel
78	Lamiaceae	Vitex negundo L.	Nagod
79	Lamiaceae	Vitex trifolia L.	Nagod ni jat
80	Solanaceae	Withania somnifera (L.) Dunal	Ashwagandha
81	Lythraceae	Woodfordia fruticosa (L.) Kurtz.	Dhayti

82	Apocynaceae	Wrightia tinctoria R.Br.	Kudi
83	Rhamnaceae	Ziziphus moritiana Lam.	Bor

Annexure 3: Medicinal Plot

Sr.no	Family	Botanical name	Local name
1	Acanthaceae	Adhatoda vasica nees	Ardushi
2	Anacardiaceae	Semicarpus anacardium l	Bhilamo
3	Apocynaceae	Calotropis procera (ait.) R. Br.	Nano akdo
4	Apocynaceae	Carissa congesta wight.	Karamda
5	Apocynaceae	Catheranthus pusillus (murr.) G. Don	Barmashi
6	Apocynaceae	Catheranthus roseus (linn.) G.don	Barmashi lal
7	Apocynaceae	Rauvolfia sepentina l	Sarpgandha mi jat
8	Apocynaceae	Rauvolfia tetraphylla l	Sarpgandha
9	Araceae	Cocos nucifera l.	Nariyel
10	Araceae	Alocasia macrorrhizos (l.) G.don	Giant taro
11	Asphodelaceae	Aloe vera (l.) Burm.f.	Kuvarpathu
12	Bignoniaceae	Mansoa alliacea (lam.) A.h.gentry	Lasanvel
13	Bignoniaceae	Oroxylum indicum (l.) Kurz	Tetu
14	Bixaceae	Bixa orellana l.	Sindur
15	Cactaceae	Opuntia elatior mill.	Fafdathor
16	Caesalpiniaceae	Caesalpenia bonduc (l.) Roxb.	Kachko
17	Celastraceae	Celastrus paniculatus willd.	Malkangni
18	Clusiaceae	Garcinia indica (thouars) choisy	Kokam
19	Combretaceae	Terminalia bellirica (gaertn.) Roxb.	Baheda
20	Combretaceae	Terminalia chebula retz.	Harde
21	Convolvulaceae	Operculina turpethum (l.) Silva manso	Nasotar
22	Crassulaceae	Bryophyllum pinnatum (lam.) Kurz	Panfuti
23	Cypraceae	Cyprerus scarious r. Br.	Nagar moth
24	Euphorbiaceae	Euphorbia tirucalli l.	Kharsani thor
25	Euphorbiaceae	Jatropha curcus linn.	Ratanjyot
26	Euphorbiaceae	Manihot esculenta crantz	Shakkar kand
27	Euphorbiaceae	Ricinus communis l	Arandi
28	Fabaceae	Abrus precatorius l.	Chanothi
29	Fabaceae	Clitoria ternatea l	Garni
30	Fabaceae	Derris scandens roxb. Benth.	Kranjvel
31	Fabaceae	Mucuna pruriens (l.) Dc	Kavach
32	Fabaceae	Mundulea suberosa (dc.) Benth	Supli
33	Lamiaceae	Vitex negundo l	Nagol
34	Lauraceae	Cinnamomum verum j.presl	Taj patta
35	Loganiaceae	Strychnos nux-vomica l.	Zer kochlu

36	Lythraceae	Woodfordia fruticosa (L.) Kurtz.	Dhayti
37	Menispermaceae	Cocculus hirsutus (Linn.) Diels.	Jaljamini, vevdi
38	Myrtaceae	Pimenta dioica (L.) Merr.	All spice
39	Phyllanthaceae	Antidesma ghesaembilla Gaertn. Fruct.	Ragatrohida
40	Phyllanthaceae	Phyllanthus emblica L.	Amala
41	Piperaceae	Piper arboreum Aubl.	Mari
42	Piperaceae	Piper longum L.	Lindipiper
43	Poaceae	Cymbopogon martini (Roxb.) W. Watson	Roshaghas
44	Poaceae	Andropogon citratus DC.	Lili cha
45	Poaceae	Vetiveria zizanioides (L.) Nash.	Sugandit ghas
46	Putranjivaceae	Drypetes roxburghii Wall.	Putranjiva
47	Ranunculaceae	Clematis javana DC.	Mor vel
48	Rubiaceae	Gardenia resinifera Roth.	Dikamali
49	Rutaceae	Citrus limon (L.) Burm. F.	Limbu
50	Rutaceae	Murraya koenigii (L.) Spr.	Mitho limdo
51	Sapotaceae	Litchi chinensis Sonn.	Litchi
52	Sapotaceae	Manilkara hexandra (Roxb.) Dub.	Rayan
53	Solanaceae	Datura metel L.	Dhaturo
54	Solanaceae	Solanum indicum L.	Moti ringni
55	Sterculiaceae	Helicteres isora L.	Marda shing
56	Zingiberaceae	Alpinia galanga (L.) Willd.	Alcho

Annexure 4: Tuber Plot

Sr. No.	Family	Botanical name	Local Name
1	Amaryllidaceae	Allium sativum L.	Lasan
2	Amaryllidaceae	Hymenocallis littoralis (Jacq.) Salisb.	Lily
3	Amaryllidaceae	Pancratium longiflorum Roxb. Ex Ker Gawl.	Kavali na mama
4	Apiaceae	Pimpinella saxifrage L.	Bafali
5	Apocynaceae	Ceropegia odorata Nimmo	Kanvel
6	Araceae	Alocasia macrorrhizos (L.) G. Don	Hathi pan Sadu
7	Araceae	Amorphophallus paeoniifolius (Dennst.) Nicolson	Jungali suran
8	Araceae	Arisaema murrayi (J. Graham) Hook.	Sarp kand
9	Araceae	Arisaema pentaphyllum (L.) Schott	Faniyo kand
10	Araceae	Colocasia esculenta (L.) Schott	Jungali tera
11	Araceae	Colocasia esculenta (L.) Schott	Tera Black
12	Asparagaceae	Asparagus racemosus Willd.	Shatavari
13	Asparagaceae	Chlorophytum borivillianum Santapau & R.R. Fern.	Kali Musali
14	Asparagaceae	Chlorophytum tuberosum (Roxb.) Baker	Safed Musali

15	Asparagaceae	<i>Drimia indica</i> (Roxb.) Jessop	Jungali Dungadi
16	Colchicaceae	<i>Gloriosa superba</i> L.	Vachnag
17	Cucurbitaceae	<i>Momordica dioica</i> Roxb. Ex Willd.	Kankoda
18	Dioscoreaceae	<i>Dioscorea alata</i> L.	Digad vel
19	Dioscoreaceae	<i>Dioscorea bulbifera</i> L.	Aamariyo kand
20	Dioscoreaceae	<i>Dioscorea esculenta</i> (Lour.) Burkill	Ratalu
21	Dioscoreaceae	<i>Dioscorea hispida</i> Dennst.	Vaj kand
22	Dioscoreaceae	<i>Dioscorea pentaphylla</i> L.	Lundi kand
23	Euphorbiaceae	<i>Manihot esculenta</i> Crantz.	Shakkar kand
24	Fabaceae	<i>Pueraria tuberosa</i> (Willd.) DC.	Khakhar Vel
25	Fabaceae	<i>Vigna vexillata</i> (L.) A.Rich.	Halund
26	Heliconiaceae	<i>Heliconia rostrata</i> Ruiz & Pav.	Heliconia
27	Hypoxidaceae	<i>Curculigo orchioides</i> Gaertn.	Kali Musali
28	Orchidaceae	<i>Geodorum densiflorum</i> (Lam.) Schltr.	Orchid
29	Orchidaceae	<i>Nervilia aragoana</i> Gaudich.	Dukkar kand
30	Orchidaceae	<i>Nervilia plicata</i> (Andrews) Schltr.	Dukkarkand ni jat
31	Taccaceae	<i>Tacca leontopetaloides</i> (L.) Kuntze	Vaghmuch
32	Vitaceae	<i>Ampelocissus latifolia</i> (Roxb.) Planch.	Jungali draksh
33	Vitaceae	<i>Cayratia carnosia</i> (Lam.) Gagnep.	Tivaniya kand
34	Vitaceae	<i>Cissus repanda</i> (Wight & Arn.) Vahl	Pani Vel
35	Vitaceae	<i>Leea macrophylla</i> Roxb. Ex Hornem.	Moti Dini
36	Zingiberaceae	<i>Alpinia calcarata</i> (Haw.) Roscoe	Elcho
37	Zingiberaceae	<i>Cheilocostus speciosus</i> (J.Koenig) C.D.Specht	Valkadi
38	Zingiberaceae	<i>Curcuma caesia</i> Roxb.	Kali Haldar
39	Zingiberaceae	<i>Curcuma longa</i> L.	Haldar
40	Zingiberaceae	<i>Curcuma pseudomontana</i> J.Graham	Kachura

Annexure 5: Fruit Plot

Sr no	Family	Botanical Name	Local name
1	Anacardiaceae	<i>Anacardium occidentale</i> L.	Kaju
2	Anacardiaceae	<i>Mangifera indica</i> L.	Keri
3	Annonaceae	<i>Annona muricata</i> L.	Laxman phal
4	Annonaceae	<i>Annona squamosa</i> L.	Sitaphal
5	Annonaceae	<i>Miliusa tomentosa</i> (Roxb.) J.Sinclair	Umbh
6	Anonaceae	<i>Annona reticulate</i> L.	Ramphal
7	Apocynaceae	<i>Carissa carandas</i> L.	Karamda
8	Arecaceae	<i>Cocos nucifera</i> L.	Nariyel
9	Arecaceae	<i>Phoenix dactylifera</i> L.	Khajur
10	Combretaceae	<i>Terminalia catappa</i> L.	Badam
11	Lythraceae	<i>Punica granatum</i> L.	Dadham
12	Malvaceae	<i>Theobroma cacao</i> L.	Cocoo

13	Moraceae	Artocarpus heterophyllus Lam.	Fanas
14	Moraceae	Morus alba L.	Setur
15	Myrtaceae	Psidium guajava L.	Jamrukh
16	Myrtaceae	Syzygium cumini (L.) Skeels	Kala jambu
17	Myrtaceae	Syzygium samarangense (Blume) Merr. & L.M.Perry	Safed jambu
18	Oxalidaceae	Averrhoa carambola L.	Kamrakh
19	Passifloraceae	Passiflora edulis Sims	Krushn kamal
20	Phyllanthaceae	Phyllanthus acidus (L.) Skeels	Khata aamla
21	Phyllanthaceae	Phyllanthus emblica L.	Aamla
22	Rubiaceae	Morinda citrifolia L.	Aal
23	Rutaceae	Aegle marmelos (L.) Corrêa	Bili
24	Rutaceae	Citrus limon (L.) Osbeck	Limbu
25	Rutaceae	Citrus medica L.	Bijoru
26	Sapotaceae	Manilkara zapota (L.) P.Royen	Chikoo

Annexure 6: Palm plot

Sr.no	Family	Botanical name	English name
1	Arecaceae	Bismarckia nobilis Hildebr. & H.Wendl.	Bismarck palm
2	Arecaceae	Calamus rotang L.	Perambu
3	Arecaceae	Calamus sp.	Netar
4	Arecaceae	Caryota urens L.	Fishtail palm
5	Arecaceae	Cocos nucifera L.	Coconut
6	Arecaceae	Cyrtostachys renda Blume	Lipstick palm
7	Arecaceae	Dypsis lutescens (H.Wendl.) Beentje & J.Dransf	Areca palm
8	Arecaceae	Elaeis guineensis Jacq.	African oil palm
9	Arecaceae	Latania lontaroides (Gaertn.) H.E.Moore	Palmpedia
10	Arecaceae	Licuala grandis H.Wendl.	Vanuatu palm
11	Arecaceae	Phoenix sylvestris (L.) Roxb.	Date sugar palm
12	Arecaceae	Ravenala madagascariensis Sonn.	Travelers palm
13	Arecaceae	Rhapis excelsa (Thunb.) Henry	Lady palm
14	Arecaceae	Roystonea regia (Kunth) O.F.Cook	Royal palm
15	Arecaceae	Wodyetia bifurcata A.K.Irvine	Foxtail palm
16	Arecaceae	Areca catechu L.	Areca nut
17	Arecaceae	Sabal mexicana Mart.	Cabbage palm
18	Arecaceae	Sabal palmetto Schult.f. (Walter) Lodd.ex Schult. &	Texas sabal palm
19	Arecaceae	Thrinax radiata Lodd.ex Schult. & Schult.f.	Florida thatch palm
20	Asparagaceae	Beaucarnea recurvata Lem.	Ponytail palm
21	Cycadaceae	Cycas circinalis L.	False sago
22	Cycadaceae	Cycas revoluta Thunb.	Sago palm
23	Zamiaceae	Zamia furfuracea L.f. ex Aiton	Cardboard palm

Annexure 7: Bamboo Plot

Sr.no	Family	Botanical name	English name
1	Poaceae	<i>Bambusa bambos</i> (L.) Voss	The giant thorny bamboo
2	Poaceae	<i>Bambusa multiplex</i> (Lour.) Raeusch. Ex schult.	Hedge bamboo
3	Poaceae	<i>Bambusa nutans</i> wall. Ex munro	Bamboo Buddha belly
4	Poaceae	<i>Bambusa polymorpha</i> munro	Burmese bamboo
5	Poaceae	<i>Bambusa tulda</i> roxb.	Indian timber bamboo
6	Poaceae	<i>Bambusa vulgaris</i> cv. Wamin	Buddha belly bamboo
7	Poaceae	<i>Bambusa vulgaris</i> f. <i>Vittata</i> (rivière & c.rivière) McClure	Green vulgaris
8	Poaceae	<i>Bambusa vulgaris</i> schrad.	Golden bamboo, striped bamboo
9	Poaceae	<i>Cephalostachyum pergracile</i> munro	Tinwa or Pergracile bamboo
10	Poaceae	<i>Dendrocalamus asper</i> (Schult.) Backer	Rough giant bamboo
11	Poaceae	<i>Dendrocalamus brandisii</i> (Munro) Kurz	Velvet leaf bamboo
12	Poaceae	<i>Dendrocalamus giganteus</i> munro	Dragon bamboo
13	Poaceae	<i>Dendrocalamus longispathus</i> (Kurz) Kurz	Rupai (Tripura)
14	Poaceae	<i>Dendrocalamus strictus</i> (Roxb.) Nees	Calcutta bamboo
15	Poaceae	<i>Guadua angustifolia</i> Kunth	Columbia giant thorny
16	Poaceae	<i>Melocanna baccifera</i> (Roxb.) Kurz	Muli bamboo
17	Poaceae	<i>Ochlandra scriptoria</i> (Dennst.) C.E.C. Fisch.	Indian bamboo
18	Poaceae	<i>Phyllostachys aurea</i> Rivière & C. Rivière	Fish pole bamboo, golden bamboo
19	Poaceae	<i>Phyllostachys nigra</i> (Lodd. Ex Lindl.) Munro	Black bamboo
20	Poaceae	<i>Pseudosasa japonica</i> (Steud.) Makino	Arrow bamboo
21	Poaceae	<i>Pseudoxytenanthera stocksii</i> (Munro) T.Q. Nguyen	Iorn bamboo
22	Poaceae	<i>Sasa palmata</i> (Burb.) E.G. Camus	Broad leaf bamboo
23	Poaceae	<i>Sasa palmata</i> (Burb.) E.G. Camus	Common bamboo
24	Poaceae	<i>Thyrosostachys oliveri</i>	Lathi mula bamboo