

## Appendix. I

<b>Census Details of Alagar Hill Reserved Forest</b>	
Area	Alagar Hills R.F.
Level	Village
No., of House Holds	39
Total Population	161
Male Population	84
Female Population	77
Total Population Below Age 7	28
Sc/St Population	0
Total Literates	50
Male Literates	36
Female Literates	14
Total Illiterates	111
Male Illiterates	46
Female Illiterates	63
Total Workers	106
Male Workers	57
Female Workers	49
Total Main Workers	106
Male Main Workers	57
Female Main Workers	49
Total Cultivators	46
Male Cultivators	28
Female Cultivators	18
Total Agricultural Labourers	58
Male Agricultural Labourers	28
Female Agricultural Labourers	30
Total Non Workers	55
Male Non Workers	27
Female Non Workers	28

## Appendix.II

### Floristic Composition of Alagar Hills

S.No	Family	Genera	Species	Variety
1	Ranunculaceae	2	2	-
2	Annonaceae	9	11	-
3	Menispermaceae	8	9	-
4	Nymphaeaceae	1	2	-
5	Nelumboaceae	1	1	-
6	Papaveraceae	1	1	-
7	Brassicaceae	1	1	-
8	Capparaceae	5	14	-
9	Violaceae	1	1	-
10	Cochlospermaceae	1	1	-
11	Flacourtiaceae	2	2	-
12	Polygalaceae	1	4	-
13	Caryophyllaceae	1	2	-
14	Portulacaceae	2	4	-
15	Blatinaceae	1	2	-
16	Dipterocarpaceae	2	2	-
17	Malvaceae	6	21	-
18	Sterculiaceae	7	8	-
19	Tiliaceae	3	9	-
20	Linaceae	1	1	-
21	Erythroxylaceae	1	1	-
22	Malpighiaceae	1	1	-
23	Zygophyllaceae	1	1	-
24	Rutaceae	9	10	-
25	Simaroubaceae	1	1	-
26	Balanitaceae	1	1	-
27	Ochnaceae	1	2	1
28	Burberaceae	1	3	-
29	Meliaceae	6	6	-
30	Opiliaceae	2	2	-
31	Icacinaceae	1	1	-
32	Celastraceae	3	4	-
33	Hippocrateaceae	3	3	-
34	Rhamnaceae	3	7	-
35	Vitaceae	3	6	-
36	Leeaceae	1	6	-
37	Sapineaceae	5	7	-
38	Lodonaeaceae	1	1	-
39	Anacardiaceae	7	8	-
40	Fabaceae	28	64	-
41	Caesalpiniaceae	7	17	-
42	Mimosaceae	9	19	-
43	Vahliaceae	1	1	-

44	Crassulaceae	1	1	-
45	Droseraceae	1	2	-
46	Combretaceae	3	6	-
47	Myrtaceae	3	4	-
48	Lecythidaceae	1	1	-
49	Barringtoniaceae	1	1	-
50	Melaatomataceae	2	2	-
51	Lythraceae	4	7	-
52	Onagraceae	1	2	-
53	Samydaceae	1	4	-
54	Passifloraceae	2	2	-
55	Cucurbitaceae	11	17	-
56	Begoniaceae	1	2	-
57	Cactaceae	1	2	-
58	Aizoaceae	2	3	-
59	Molluginaceae	4	8	-
60	Apiaceae	1	1	-
61	Alangiaceae	1	1	-
62	Rubiaceae	22	25	-
63	Asteraceae	25	31	-
64	Sphenocleaceae	11	1	-
65	Plumbaginaceae	1	1	-
66	Myrsinaceae	1	1	-
67	Sapotaceae	3	4	-
68	Ebenaceae	1	2	-
69	Oleaceae	5	12	-
70	Salvadoraceae	2	2	-
71	Apocynaceae	11	13	-
72	Asclepiadaceae	15	23	1
73	Strychnaceae	1	2	-
74	Spigeliaceae	1	1	-
75	Gentianaceae	2	2	-
76	Hydrophyllaceae	1	1	-
77	Boraginaceae	5	11	-
78	Convolvulaceae	7	18	-
79	Solanaceae	4	12	-
80	Scrophulariaceae	10	15	-
81	Lentibulariaceae	1	1	-
82	Gesneriaceae	1	2	-
83	Bignoniaceae	2	2	-
84	Pedaliaceae	2	3	-
85	Martyniaceae	1	1	-
86	Acanthaceae	24	41	-
87	Verbenaceae	10	16	1
88	Uliaceae	10	20	1

92	Polygonaceae	2	3	-
93	Aristolochiaceae	1	2	-
94	Piperaceae	1	3	-
95	Lauraceae	2	3	-
96	Gyocarpaceae	1	1	-
97	Loranthaceae	4	11	-
98	Santalaceae	1	1	-
99	Euphorbiaceae	27	61	1
100	Ulmaceae	3	3	-
101	Moraceae	4	18	-
102	Urticaceae	1	2	-
103	Casuarinaceae	1	1	-
104	Hydrocharitaceae	5	5	-
105	Orchidaceae	6	11	-
106	Zingiberaceae	2	2	-
107	Musaceae	1	1	-
108	Amaryllidaceae	3	4	-
109	Agavaceae	3	3	-
110	Dioscoreaceae	1	3	-
111	Liliaceae	6	6	-
112	Xyridaceae	1	1	-
113	Pontederiaceae	2	3	-
114	Commelinaceae	6	12	-
115	Arecaceae	2	2	-
116	Pandanaceae	1	1	-
117	Typhaceae	1	1	-
118	Araceae	4	4	-
119	Lemnaceae	2	2	-
120	Alismataceae	1	1	-
121	Aponogetonaceae	1	1	-
122	Potamogetonaceae	1	1	-
123	Najadaceae	1	2	-
124	Eriocaulaceae	1	2	-
125	Cyperaceae	11	43	-
126	Poaceae	41	65	2
	<b>TOTAL</b>	<b>526</b>	<b>900</b>	<b>10</b>

(Source : Sriganesan, 1984)

## APPENDIX.III

### Floristic composition of Silambar Valley

#### Silambar Valley

##### Trees

*Albizia amara*  
*Bauhinia racemosa*  
*Canthium dicoccum*  
*Celtis wigtii*  
*Commiphora spp.*  
*Dalbergial latifolia*  
*Derris indica*  
*Diospyros spp.*  
*Drypetes sepiaria*  
*Ficus microcarpa*  
*Ficus racemosa*  
*Mangifera indica*  
*Manilkara hexandra*  
*Manilkara roxburghii*  
*Pteiospermium alatum*  
*Santalum album*  
*Schleichera oleosa*  
*Strebius spp.*  
*Strychos spp.*  
*Swietenia mahagoni*  
*Tamarindus indica*  
*Terminalia arjuna*  
*Xylophia nigricans*

##### Climbers

*Acacia tora*  
*Caesalpinia bonduc*  
*Cardiospermum halicacabum*  
*Coibretum ovalifolium*  
*Derris scandens*  
*Hiptage benghalensis*  
*Mucuna atropurpurea*  
*Plecosperrum*

##### Shrubs

*Antidesma zeylanicum*  
*Atalantia monophylla*  
*Atalantia racemosa*  
*Casearia spp.*  
*Dichrostachys cinerea*  
*Flacourtia indica*  
*Suregada angustifolia*  
*Maytenus spp.*  
*Miliusa Montana*  
*Pavetta indica*  
*Polyalthia korinti*  
*Psychotria subintegra*  
*Randia spp.*  
*Streblus spinosa*  
*Tarenna asiatica*

## Floristic composition of Bison valley and Peria-aruvi Valley

### Bison Valley

#### Trees

*Adina cordifolia*  
*Schleichera oleosa*  
*Shorea roxburghii*  
*Spondias pinnata*

#### Shrubs

*Clausena dentate*  
*Pavetta indica*  
*Premna spp.*  
*Randia spp.*  
*Tarenna astiatica*

#### Climbers

*Calamus latifolius*  
*Decalepis hamiltonii*  
*Dioscorea spp.*  
*Entada pursaetha*  
*Gnetum ula*

#### Epiphytes

*Acampe spp.*  
*Vanda tessellate*

#### Parasites

*Dendrophthoe falcate*  
*Scurrula parasitica*  
*Taxillus spp.*  
*Viscum spp.*

### Periaaruvai valley

#### Trees

*Artocarpus hirsutus*  
*Bridelia retusa*  
*Ficusl drupacea*  
*Macaranga peltata*  
*Mallotus philippensis*  
*Mangifera indica*  
*Tamarindus indica*  
*Terminalia tomentosa*

#### Shrubs

*Allophyllus serratus*  
*Bambusa arundinacea*  
*Cipadessa bacifera*  
*Desmodium pulchellum*  
*Glochidion spp.*  
*Goniothalamus wightii*  
*Premna spp.*  
*Randia spp.*

#### Under Growths

*Costus speciosus*  
*Globba bulbifera*  
*Habenaria spp.*  
*Scleria spp.*  
*Zeuxine strateumatica*  
*Fabaceae*  
*Grasses*

#### Climbers

*Anamirta cocculus*  
*Anodendron manubrium*  
*Chromolaena odorata*  
*Embelia basall*  
*Gnetum ula*

## Appendix. IV

### Medicinal plants recorded in the Alagar hill sacred grove and their uses

S.No	Species	Part used	Diseases cured
1	Abutilon indicum (L.) Sweet	Seed, root	Black Patches, Ulcers
2	Achyranthus aspera L.	Leaf, root	Scorpion bite and scabies
3	Alangum salvifolium (L.f.) Wangerin	Leaf, root	Poisoning, fever
4	Andrographis paniculata L.	Leaf decoction	Scorpion and snake bite, dysentery
5	Calotropis gigantean (L.) R.Br.	Latex, flower, root	Wound healing, fever, cough
6	Canthium parviflorum Lam.	Leaves	Dysentery
7	Cassia auriculata L.	Flowers in cooking	Diabetes
8	Chloroxylon swietenia DC.	Rootbark in milk	Impotency
9	Cleome gynandra L.	Seeds	Expel works in stomach
10	Cleome viscosa L.	Leaf juice	Ear pain, itching
11	Commelina benghalensis L	Plant paste	Bed sores and pimples
12	Croton bonplandianus Baillon	Leaf extract	Fever
13	Dichrostachys cinerea (L.) W&A	Root paste	Rheumatism
14	Euphorbia hirta L.	Leaves, latex	Veneral disease
15	Evolvulus alsinoides L.	Leaf decoction	Prolonged fever
16	Ficus benghalensis L.	Latex, fruit, aerial root	Whitish discharge, tooth trouble
17	Gisekia pharnaceoides L.	Plant juice	Expels tape worms from stomach
18	Jatropha curcas L.	Crushed bark, latex	Cholera, pain relief
19	Lucas aspera L.	Leaf, root flower	Scorpion bite, rheumatism
20	Madhuca longifolia (L.) Macbr	Gum, bark, seed, leaf	Rheumatism, eczema, constipation
21	Pavetta indica L.	Stem extract	Rheumatism
22	Pedaliium murex L.	Plant mucilage	Stomach pain and ulcer
23	Phyllanthus nudiflora (L.)	Plant extract	Piles
24	Phyllanthus amarus Sch & Thonn	Root	Jaundice
25	Pongamia pinnata (L.) Pierre	Flowers, seed	Whitish discharge, skin diseases
26	Sarcostemma intermedium Decne	Stem powder	Induces vomiting
27	Solanum trilobatum (L.)	Leaf, flower	Cough, ear trouble
28	Strebles asper Lour.	Latex	Gum diseases, stops bleeding
29	Strychnos nux-vomica Linn.	Seed poultice	Wounds
30	Syzygium cumini (L.) Skeels	Seed	Diabetes
31	Trianthema decandra L.	Leaf extract	Jaundice
32	Tribulus terrestris L.	Plant ash	Rheumatism
33	Wrightia tinctoria (Roxb.) R.Br	Bark decoction	Piles

After Swamy et al., 2003

547  
P42  
C1