

**Table S1.** Important value index, relative density, relative frequency and relative coverage of 20 dominant species of forests at study site 1.

Sr. no.	Species	Relative density (%)	Relative frequency (%)	Relative coverage (%)	Important value index (%)
1	<i>Xylia dolabriformis</i> Benth.	8.88	3.79	14.13	8.94
2	<i>Tectona grandis</i> Linn.f	8.02	3.79	8.41	6.74
3	<i>Protium serrata</i> (Wall. Ex Colebr.) Engl.	5.74	3.10	6.74	5.20
4	<i>Mitragyna rotundifolia</i> (Roxb.) Kuntze	6.18	3.45	5.45	5.02
5	<i>Lagerstroemia tomentosa</i> C. Presl	5.20	3.79	4.66	4.55
6	<i>Anogeissus acuminata</i> (Roxb. Ex Candolle)	5.96	3.45	4.22	4.54
7	<i>Dalbergia kurzii</i> Prain	3.90	2.76	6.11	4.26
8	<i>Stereospermum personatum</i> (Hassk.) Chatterjee	4.23	3.79	3.64	3.89
9	<i>Millettia brandisiana</i> Kurz	3.90	2.76	3.04	3.23
10	<i>Salmalia insignis</i> (Wall.) Schott & Endl	2.06	3.10	1.84	2.33
11	<i>Lannea grandis</i> Engl.	1.73	1.72	2.43	1.96
12	<i>Lagerstroemia villosa</i> Wall. Ex Kurz	1.73	1.72	2.16	1.87
13	<i>Terminalia belerica</i> (Gaertn.) Roxb.	1.63	2.41	1.39	1.81
14	<i>Sterculia</i> spp.	1.84	2.07	1.45	1.79
15	<i>Lagerstroemia calyculata</i> Kurz	1.30	2.41	1.64	1.79
16	<i>Diospyros burmanica</i> Kurz	1.41	1.72	1.65	1.59
17	<i>Tetrameles nudiflora</i> R.Br.	0.98	1.03	2.68	1.56
18	<i>Vitex pubescens</i> Vahl	1.52	1.72	1.41	1.55
19	<i>Dalbergia ovata</i> Grah. Ec Benth.	1.30	1.72	1.32	1.45
20	<i>Cratoxylon neriifolium</i> Kurz	1.41	2.07	0.81	1.43

**Table S2.** Important value index, relative density, relative frequency and relative coverage of 20 dominant species of forests at study site 2.

Sr. no.	Species	Relative density (%)	Relative frequency (%)	Relative coverage (%)	Important value index (%)
1	<i>Xylia dolabriformis</i> Benth.	7.60	3.52	6.76	5.96
2	<i>Cordia grandis</i> Roxb.	4.46	3.52	3.14	3.71
3	<i>Mitragyna rotundifolia</i> (Roxb.) Kuntze	4.34	2.73	3.75	3.61
4	<i>Dalbergia cultrata</i> Graham ex Benth.	2.90	2.34	4.52	3.25
5	<i>Lannea grandis</i> Engl.	2.77	2.73	4.17	3.23
6	<i>Vitex pubescens</i> Vahl	2.90	2.34	4.25	3.16
7	<i>Garuga pinnata</i> Roxb.	2.53	3.13	3.51	3.06
8	<i>Dillenia pentagyna</i> Roxb.	3.02	2.73	2.46	2.74
9	<i>Tectona grandis</i> Linn.f	3.02	2.73	1.88	2.54
10	<i>Stereospermum fimbriatum</i> Wall. ex G. Don	1.69	1.95	3.93	2.52
11	<i>Sterculia</i> spp.	2.05	1.95	3.19	2.40
12	<i>Dalbergia ovata</i> Grah. Ec Benth.	2.29	2.73	1.97	2.33
13	<i>Millettia brandisiana</i> Kurz	2.90	1.56	2.16	2.21
14	<i>Bridelia retusa</i> (L.) Spreng.	2.53	2.34	1.61	2.16
15	<i>Lagerstroemia villosa</i> Wall. Ex Kurz	2.17	2.73	1.51	2.14
16	<i>Erythrina suberosa</i> Roxb.	1.93	1.95	2.41	2.10
17	<i>Spondias pinnata</i> (L. f.) Kurz	1.93	2.34	1.93	2.07
18	<i>Protium serrata</i> (Wall. Ex Colebr.) Engl.	2.41	1.56	1.90	1.96
19	<i>Berrya</i> spp.	2.53	2.34	0.99	1.96
20	<i>Haplophragma adenophyllum</i> (Wall. Ex G.Don) Dop	2.05	1.56	2.24	1.95

**Table S3.** Important value index, relative density, relative frequency and relative coverage of 20 dominant species of forests at study site 3.

Sr. no.	Species	Relative density (%)	Relative frequency (%)	Relative coverage (%)	Important value index (%)
1	<i>Xylia dolabriformis</i> Benth.	8.00	3.45	12.19	7.88
2	<i>Terminalia tomentosa</i> (Roxb.) Wight & Arn	6.27	3.45	7.23	5.65
3	<i>Mitragyna rotundifolia</i> (Roxb.) Kuntze	5.90	3.10	4.29	4.43
4	<i>Tectona grandis</i> Linn.f	3.81	3.45	5.66	4.31
5	<i>Protium serrata</i> (Wall. Ex Colebr.) Engl.	4.18	3.10	5.41	4.23
6	<i>Salmalia insignis</i> (Wall.) Schott & Endl	3.08	3.10	5.87	4.02
7	<i>Lannea grandis</i> Engl.	4.18	3.45	4.13	3.92
8	<i>Dalbergia cultrata</i> Graham ex Benth.	4.18	3.10	3.96	3.75
9	<i>Anogeissus acuminata</i> (Roxb. Ex Candolle)	4.06	3.45	2.33	3.28
10	<i>Terminalia pyrifolia</i> Kurz	3.20	3.10	3.46	3.25
11	<i>Stereospermum personatum</i> (Hassk.) Chatterjee	3.08	3.10	2.50	2.89
12	<i>Homalium tomentosum</i> (Vent.) Benth.	3.32	2.41	2.82	2.85
13	<i>Gmelina arborea</i> Roxb.	2.83	2.76	2.58	2.72
14	<i>Spondias pinnata</i> (L. f.) Kurz	2.21	2.41	2.88	2.50
15	<i>Garuga pinnata</i> Roxb.	2.46	2.76	2.05	2.42
16	<i>Terminalia belerica</i> (Gaertn.) Roxb.	1.85	2.07	3.16	2.36
17	<i>Sterculia</i> spp.	1.72	1.72	2.14	1.86
18	<i>Bridelia retusa</i> (L.) Spreng.	1.85	2.07	1.65	1.85
19	<i>Mangifera caloneura</i> Kurz	1.97	2.41	0.98	1.79
20	<i>Erythrina suberosa</i> Roxb.	1.72	2.76	0.82	1.77

**Table S4.** Important value index, relative density, relative frequency and relative coverage of 20 dominant species of forests at study site 4.

Sr. no.	Species	Relative density (%)	Relative frequency (%)	Relative coverage (%)	Important value index (%)
1	<i>Xylia dolabriformis</i> Benth.	13.43	6.38	15.96	11.93
2	<i>Pentacme siamensis</i> (Miq.) kurz	15.30	7.09	12.94	11.78
3	<i>Terminalia tomentosa</i> (Roxb.) Wight & Arn	12.19	7.09	13.64	10.97
4	<i>Shorea oblongifolia</i> Thw.	8.71	5.67	8.05	7.48
5	<i>Dipterocarpus tuberculatus</i> Roxb.	6.97	2.84	6.57	5.46
6	<i>Azadirachta indica</i> A.Juss.	2.86	4.96	2.77	3.53
7	<i>Neonauclea excelsa</i> (Blume) Merr.	2.74	4.26	3.53	3.51
8	<i>Mitragyna rotundifolia</i> (Roxb.) Kuntze	2.61	3.55	3.25	3.13
9	<i>Tectona grandis</i> Linn.f	2.49	3.55	2.34	2.79
10	<i>Schleichera oleosa</i> (Lour.) Oken	1.87	3.55	1.95	2.45
11	<i>Melanorrhoea usitata</i> Wall.	2.99	2.13	2.11	2.41
12	<i>Emblica officinalis</i> Gaertn.	2.24	2.84	1.50	2.19
13	<i>Anogeissus acuminata</i> (Roxb. Ex Candolle)	1.74	2.84	1.66	2.08
14	<i>Dillenia parviflora</i> Griff.	1.62	2.84	1.41	1.95
15	<i>Adina cordifolia</i> (Roxb.) Brandis	1.24	2.84	1.54	1.87
16	<i>Pahudia martabanica</i> Prain	1.37	2.13	1.80	1.77
17	<i>Terminalia chebula</i> Retz.	1.37	2.13	1.33	1.61
18	<i>Eugenia</i> spp.	1.37	1.42	1.63	1.47
19	<i>Lagerstroemia villosa</i> Wall. Ex Kurz	1.24	1.42	1.68	1.45
20	<i>Millettia pendula</i> Benth.	1.00	2.13	1.17	1.43

**Table S5.** Important value index, relative density, relative frequency and relative coverage of 20 dominant species of forests at study site 5.

Sr. no.	Species	Relative density (%)	Relative frequency (%)	Relative coverage (%)	Important value index (%)
1	<i>Tectona hamiltoniana</i> Wall.	19.53	6.15	26.55	17.41
2	<i>Xylia dolabriformis</i> Benth.	9.04	9.23	10.88	9.72
3	<i>Terminalia oliveri</i> Brandis.	10.20	6.15	8.01	8.12
4	<i>Terminalia tomentosa</i> (Roxb.) Wight & Arn	8.16	6.15	7.50	7.27
5	<i>Anogeissus acuminata</i> (Roxb. Ex Candolle)	7.00	7.69	6.61	7.10
6	<i>Lagerstroemia villosa</i> Wall. Ex Kurz	5.83	6.15	4.60	5.53
7	<i>Tectona grandis</i> Linn.f	4.96	6.15	5.46	5.52
8	<i>Hymenodictyon excelsum</i> (Roxb.) Wall.	3.50	7.69	4.86	5.35
9	<i>Dipterocarpus tuberculatus</i> Roxb.	4.66	3.08	4.32	4.02
10	<i>Acacia catechu</i> (L.f.) Willd.	4.08	4.62	2.89	3.86
11	<i>Salmalia insignis</i> (Wall.) Schott & Endl	3.50	4.62	3.01	3.71
12	<i>Shorea oblongifolia</i> Thw.	3.79	3.08	3.14	3.33
13	<i>Croton oblongifolius</i> Roxb.	2.04	4.62	1.94	2.87
14	<i>Artocarpus heterophyllus</i> Lam.	1.46	4.62	1.43	2.50
15	<i>Pterocarpus macrocarpus</i> Kurz	2.33	3.08	1.92	2.44
16	<i>Acacia leucophloea</i> (Roxb.) Willd	2.04	3.08	1.53	2.22
17	<i>Bauhinia racemosa</i> Lam.	1.75	3.08	1.22	2.02
18	<i>Albizzia odoratissima</i> (L.f.) Benth.	1.46	3.08	1.34	1.96
19	<i>Dalbergia oliveri</i> Gamble ex Prain	1.46	3.08	1.09	1.87
20	<i>Garuga pinnata</i> Roxb.	1.46	1.54	0.92	1.30

**Table S6.** Tree density and basal area of five study sites.

Site	Tree density per ha (tree ha <sup>-1</sup> )	Basal area per ha (m <sup>2</sup> ha <sup>-1</sup> )
Site 1	336 (36.55) <sup>b</sup>	43.41 (2.20) <sup>a</sup>
Site 2	368 (30.03) <sup>a</sup>	41.11 (2.18) <sup>b</sup>
Site 3	325 (24.30) <sup>b</sup>	39.66 (2.20) <sup>b</sup>
Site 4	322 (33.85) <sup>b</sup>	20.23 (2.98) <sup>c</sup>
Site 5	229 (23.11) <sup>c</sup>	8.92 (0.82) <sup>d</sup>

Data are expressed as mean (standard deviation). Different letters show significant differences among the study sites using Duncan multiple range test (DMRT) in ANOVA at a 95% confidence interval.

**Table S7.** Species name and their abbreviations of five study sites.

No.	Scientific name	Abbreviation
1	<i>Tectona grandis</i> Linn.f	Tecg
2	<i>Xylia dolabriformis</i> Benth.	Xyld
3	<i>Acacia catechu</i> (L.f.) Willd.	Acae
4	<i>Acacia leucophloea</i> (Roxb.) Willd	Acal
5	<i>Adina cordifolia</i> (Roxb.) Brandis	Adic
6	<i>Albizzia chinensis</i> (Osbeck) Merr.	Albc
7	<i>Albizzia lebbek</i> (L.) Benth.	Albl
8	<i>Albizzia lucida</i> (Roxb.) Benth.	Alblu
9	<i>Albizzia odoratissima</i> (L.f.) Benth.	Albo
10	<i>Albizzia procera</i> (Roxb.) Benth	Albp
11	<i>Anogeissus acuminata</i> (Roxb. Ex Candolle)	Anoa
12	<i>Anthocephalus cadamba</i> (Roxb.) Miq.	Antc
13	<i>Aporosa villosa</i> (Lindl.) Baill.	Apov
14	<i>Artocarpus calophylla</i> Kurz.	Artc
15	<i>Artocarpus heterophyllus</i> Lam.	Arth
16	<i>Bauhinia acuminata</i> L.	Baua
17	<i>Bauhinia racemosa</i> Lam.	Baur
18	<i>Bauhinia variegata</i> L.	Bauv
19	<i>Berrya</i> spp.	Bers
20	<i>Bridelia retusa</i> (L.) Spreng.	Brir
21	<i>Buchanania lanzan</i> Spreng.	Baul
22	<i>Careya arborea</i> Roxb.	Cara
23	<i>Cassia fistula</i> L.	Casf
24	<i>Cassia renigera</i> Wall. Ex Benth	Casr
25	<i>Chukrasia tabularis</i> M.Roem.	Chut
26	<i>Cleidion speciflorum</i> Merr.	Cles
27	<i>Cordia dichotoma</i> G.Forst.	Cord
28	<i>Cordia grandis</i> Roxb.	Corg
29	<i>Cratoxylon neriifolium</i> Kurz	Cran
30	<i>Croton oblongifolius</i> Roxb.	Croo
31	<i>Dalbergia cultrata</i> Graham ex Benth.	Dalc
32	<i>Dalbergia fusca</i> Pierre	Dalf
33	<i>Dalbergia kurzii</i> Prain	Dalk
34	<i>Dalbergia oliveri</i> Gamble ex Prain	Dalo
35	<i>Dalbergia ovata</i> Grah. Ec Benth.	Dalov
36	<i>Derris robusta</i> (Roxb. Ex DC.) Benth	Derr
37	<i>Dichrostachys cinera</i> Wight et Am.	Dicc
38	<i>Dillenia pentagyna</i> Roxb.	Dilp
39	<i>Dillenia parviflora</i> Griff.	Dilpa
40	<i>Diospyros burmanica</i> Kurz	Diob
41	<i>Dipterocarpus tuberculatus</i> Roxb.	Dipt
42	<i>Dipterocarpus grandifloras</i> Blanco	Dips
43	<i>Dolichandrone serrulata</i> (Wall. Ex DC.) Seem.	Dols
44	<i>Duabanga grandiflora</i> (Roxb. Ex DC.) Walpers	Duag
45	<i>Emblica officinalis</i> Gaertn.	Embo
46	<i>Eriolaena candollei</i> Wall.	Eric

47	<i>Erythrina suberosa</i> Roxb.	Erys
48	<i>Eugenia</i> spp.	Eugs
49	<i>Ficus</i> spp.	Fics
50	<i>Ficus glomerata</i> Roxb.	Ficg
51	<i>Ficus roxburghii</i> Wall.	Ficr
52	<i>Firmiana colorata</i> Roxb.	Firc
53	<i>Flacourtia cataphracta</i> Roxb. Ex Willd.	Flac
54	<i>Gardenia erythroclada</i> Kurz	Gare
55	<i>Gardenia turgida</i> Roxb.	Gart
56	<i>Garuga pinnata</i> Roxb.	Garp
57	<i>Gmelina arborea</i> Roxb.	Gmea
58	<i>Grewia tiliaefolia</i> Vahl.	Gret
59	<i>Haplophragma adenophyllum</i> (Wall. Ex G.Don) Dop	Hapa
60	<i>Heterophragma sulfuerum</i>	Hets
61	<i>Holarrhena antidysenterica</i> (Linn.) Wall.	Hola
62	<i>Holoptelea integrifolia</i> (Roxb.) Planch	Holi
63	<i>Homalium tomentosum</i> (Vent.) Benth.	Homt
64	<i>Hymenodictyon excelsum</i> (Roxb.) Wall.	Hyme
65	<i>Juglans regia</i> L.	Jugr
66	<i>Kydia calcine</i> Roxb.	Kydc
67	<i>Lagerstroemia calyculata</i> Kurz	Lagc
68	<i>Lagerstroemia parviflora</i> Roxb.	Lagp
69	<i>Lagerstroemia speciosa</i> (L.) Pers.	Lags
70	<i>Lagerstroemia tomentosa</i> C. Presl	Lagt
71	<i>Lagerstroemia venusta</i> Wall.	Lagv
72	<i>Lagerstroemia villosa</i> Wall. Ex Kurz	Lagvi
73	<i>Lannea grandis</i> Engl.	Lang
74	<i>Limonia acidissima</i> L.	Lima
75	<i>Linociera terniflora</i> Wall.	Lint
76	<i>Litsaea monopetalla</i> (Roxb.) Pers.	Litm
77	<i>Macaranga denticulata</i> Muell. Arg.	Macd
78	<i>Mangifera caloneura</i> Kurz	Manc
79	<i>Mangifera indica</i> L.	Mani
80	<i>Manglietia insignis</i> Wall.	Manin
81	<i>Markhamia stipulata</i> (Wall.) Seem.	Mars
82	<i>Melaleuca leucadendron</i> Linn.	Mell
83	<i>Melanorrhoea usitata</i> Wall.	Melu
84	<i>Miliusa velutina</i> (Dunal) Hook. F. & Thomson	Milv
85	<i>Millettia brandisiana</i> Kurz	Milb
86	<i>Millettia pendula</i> Benth.	Milp
87	<i>Mitragyna purvifolia</i> (Roxb.) Korth.	Mitp
88	<i>Mitragyna rotundifolia</i> (Roxb.) Kuntze	Mitr
89	<i>Morinda tinctoria</i> Roxb.	Mort
90	<i>Neonauclea excelsa</i> (Blume) Merr.	Neoe
91	<i>Oroxylum indicum</i> (L.) Benth. Ex Kurz	Oroi
92	<i>Pahudia martabanica</i> Prain	Pahm
93	<i>Parashorea stellata</i> Kurz	Pars
94	<i>Pentace griffithii</i> King	Peng
95	<i>Pentacme siamensis</i> (Miq.) kurz	Pens

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96	<i>Premna latifolia</i> Roxb.	Prel
97	<i>Premna pyramidata</i> Wall. Ex Schauer	Prep
98	<i>Protium serrata</i> (Wall. Ex Colebr.) Engl.	Pros
99	<i>Pterocarpus macrocarpus</i> Kurz	Ptem
100	<i>Pterocymbium tinctorium</i> Merr.	Ptet
101	<i>Pterospermum acerifolium</i> (L.) Willd.	Ptea
102	<i>Pterospermum semisagittum</i> Kuntze	Ptes
103	<i>Quercus brandisiana</i> Kurz	Queb
104	<i>Randia uliginosa</i> (Retz.) Poir.	Ranu
105	<i>Rinorea bengalensis</i> (Wall.) Kuntze	Rinb
106	<i>Azadirachta indica</i> A.Juss.	Oths
107	<i>Salmalia insignis</i> (Wall.) Schott & Endl	Sali
108	<i>Salmalia malabarica</i> (DC.) Schott & Endl	Salm
109	<i>Sapindus</i> spp.	Saps
110	<i>Sapium insigne</i> (Royle) Trimen	Sapi
111	<i>Schima noronhae</i> Reinw. ex Blume	Schn
112	<i>Schleichera oleosa</i> (Lour.) Oken	Scho
113	<i>Semicarpus anacardium</i> L.f.	Sema
114	<i>Shorea oblongifolia</i> Thw.	Shoo
115	<i>Sideroxylon tomentosum</i> Roxb.	Sidt
116	<i>Spondias pinnata</i> (L. f.) Kurz	Spop
117	<i>Sterculia</i> spp.	Stes
118	<i>Stereospermum fimbriatum</i> Wall. ex G. Don	Stef
119	<i>Stereospermum personatum</i> (Hassk.) Chatterjee	Step
120	<i>Strychnos nux-blanda</i> A.W. Hill	Strn
121	<i>Swintonia floribunda</i> Griff.	Swif
122	<i>Tectona hamiltoniana</i> Wall.	Tech
123	<i>Terminalia belerica</i> (Gaertn.) Roxb.	Terb
124	<i>Terminalia chebula</i> Retz.	Terc
125	<i>Terminalia oliveri</i> Brandis.	Tero
126	<i>Terminalia pyrifolia</i> Kurz	Terp
127	<i>Terminalia tomentosa</i> (Roxb.) Wight & Arn	Tert
128	<i>Tetrameles nudiflora</i> R.Br.	Tetn
129	<i>Tristania burmanica</i> Griff.	Trib
130	<i>Vitex limonifolia</i> Wall. Ex C.B.Clarke	Vitl
131	<i>Vitex pubescens</i> Vahl	Vitp
132	<i>Wendlandia glabrata</i> DC.	Weng
133	<i>Xerospermum noronhianum</i> (Blume) Blume	Xern
134	<i>Archidendron jiringa</i> (Jack) I.C.Nielsen	Arcj
135	<i>Pittosporum nepaulensis</i> DC.	Pitn

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