

Supplementary Materials

Table S1. Density, basal area, important value index and regeneration status of trees in the three selected forest types Eastern Ghats, India.

Botanical Name	Family	Density (Trees ha ⁻¹)	Basal Area (m ² ha ⁻¹)	IVI	Saplings ha ⁻¹	Seedlings ha ⁻¹	Regeneration status
Pure Sal Forest (Un-disturbed)							
<i>Shorea robusta</i> Roth	Dipterocarpaceae	387.50	23.43	151.19	558	65000	Good
<i>Madhuca latifolia</i> (Roxb.) A.Chev.	Sapotaceae	37.50	1.93	23.84	33	6875	Fair
<i>Cleistanthus collinus</i> (Roxb.) Benth. ex Hook.f.	Phyllanthaceae	45.00	0.79	21.25	185	4375	Good
<i>Pterocarpus marsupium</i> Roxb.	Fabaceae	35.00	1.61	19.52	3	4375	Fair
<i>Terminalia alata</i> Heyne ex Roth	Combretaceae	22.50	0.53	13.92	48	5625	Good
Remaining 8 species		97.50	1.84	70.30	348	98125	-
All species		625	30.12	300	1175	184375	-
Pure Sal Forest (Low disturbed)							
<i>Shorea robusta</i> Roth	Dipterocarpaceae	395.00	13.92	167.29	580	43125	Good
<i>Terminalia alata</i> Heyne ex Roth	Combretaceae	30.00	0.89	23.54	28	3125	Good
<i>Lannea coromandelica</i> (Houtt.) Merr.	Anacardiaceae	15.00	2.20	23.25	0	625	Fair
<i>Buchanania lanzan</i> Spreng.	Anacardiaceae	15.00	0.34	13.36	73	1875	Good
<i>Desmodium oojeinensis</i> (Roxb.)	Fabaceae	15.00	0.28	13.09	13	0	Poor
Remaining 5 species		50.00	1.20	59.46	249	49375	-
All species		520	18.82	300	943	98125	-
Pure Sal Forest (Moderately disturbed)							
<i>Shorea robusta</i> Roth	Dipterocarpaceae	412.50	15.27	192.54	483	30625	Good
<i>Vateria indica</i> L.	Dipterocarpaceae	30.00	0.48	25.67	20	0	Poor
<i>Semecarpus anacardium</i> L. f.	Anacardiaceae	12.50	0.24	20.64	10	0	Poor
<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Combretaceae	7.50	0.25	15.50	0	0	None
<i>Buchanania lanzan</i> Spreng.	Anacardiaceae	7.50	0.16	15.00	18	1875	Good
Remaining species		20.00	0.26	30.64	197	26875	-
All species		490	16.66	300	728	59375	-
Sal Dominated Moist Deciduous Forest (Un-disturbed)							
<i>Shorea robusta</i> Roth	Dipterocarpaceae	272.50	11.49	94.31	478	75625	Good
<i>Cleistanthus collinus</i> (Roxb.) Benth. ex Hook.f.	Phyllanthaceae	63.75	0.81	17.46	98	8750	Good

<i>Buchanania lanzan</i> Spreng.	Anacardiaceae	28.75	0.56	11.68	80	6250	Good
<i>Pterocarpus marsupium</i> Roxb.	Fabaceae	22.50	0.86	11.59	3	4375	Good
<i>Madhuca latifolia</i> (Roxb.) A.Chev.	Sapotaceae	23.75	0.68	10.90	33	6875	Fair
Remaining species		345.00	7.29	154.06	378	102500	
All species		756	21.69	300	1070	204375	
Sal Dominated Moist Deciduous Forest (Low disturbed)							
<i>Shorea robusta</i> Roth	Dipterocarpaceae	235.00	9.05	90.43	575	45000	Good
<i>Cleistanthus collinus</i> (Roxb.) Benth. ex Hook.f.	Phyllanthaceae	47.50	1.00	17.58	30	2500	Good
<i>Madhuca longifolia</i> (J.Koenig ex L.) J.F.Macbr.	Sapotaceae	20.00	2.14	17.08	33	3125	Fair
<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Combretaceae	32.50	0.85	15.87	5	1250	Fair
<i>Pterocarpus marsupium</i> Roxb.	Fabaceae	27.50	0.95	15.54	3	0	Poor
Remaining species		237.50	6.12	143.51	317	50625	-
All species		600	20.113	300	963	102500	-
Sal Dominated Moist Deciduous Forest (Moderately disturbed)							
<i>Shorea robusta</i> Roth	Dipterocarpaceae	132.50	5.05	78.22	490	28750	Good
<i>Schleichera oleosa</i> (Lour.) Oken	Sapindaceae	40.00	1.08	24.61	0	2500	Fair
<i>Cleistanthus collinus</i> (Roxb.) Benth. ex Hook.f.	Phyllanthaceae	45.00	0.63	21.79	15	1875	Fair
<i>Macaranga peltata</i> (Roxb.) Müll.Arg.	Euphorbiaceae	27.50	0.57	17.62	0	0	None
<i>Adina cordifolia</i> (Roxb.) Brandis	Rubiaceae	25.00	0.40	15.60	0	0	None
Remaining species		202.50	3.96	142.17	225	29375	
All species		473	11.68	300	730	62500	
Moist Deciduous Forest Without Sal (Un-disturbed)							
<i>Terminalia alata</i> Heyne ex Roth	Combretaceae	47.50	2.32	16.87	50	16250	Good
<i>Bridelia retusa</i> (L.) A.Juss.	Phyllanthaceae	45.00	2.20	15.24	58	8750	Good
<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Rubiaceae	27.50	2.30	14.40	28	8125	Good
<i>Anogeissus latifolia</i> (DC.) Wallich ex Guill. et Perr.	Combretaceae	40.00	1.50	12.43	43	1875	Good
<i>Diospyros melanoxylon</i> Roxb.	Ebenaceae	25.00	2.06	12.38	28	6250	Good
Remaining species		640.00	21.67	228.68	541	118125	
All species		825	32.06	300	748	159375	
Moist Deciduous Forest Without Sal (Moderately disturbed)							
<i>Terminalia alata</i> Heyne ex Roth	Combretaceae	47.50	1.94	21.21	18	3125	Fair
<i>Diospyros melanoxylon</i> Roxb.	Ebenaceae	35.00	1.88	19.07	30	5000	Fair
<i>Anogeissus latifolia</i> (DC.) Wallich ex Guill. et Perr.	Combretaceae	47.50	1.30	18.34	23	1875	Fair

<i>Desmodium oojeinensis</i> (Roxb.) H.Ohashi	Fabaceae	37.50	1.72	17.39	3	625	Fair
<i>Schleichera oleosa</i> (Lour.) Oken	Sapindaceae	32.50	1.32	16.16	28	4375	Fair
Remaining species		462.50	14.09	207.80	513	103750	-
All species		663	22.26	300	615	112500	-