

Table S1: Klason Lignin, Acid-Soluble Lignin, and Ash Contents (% w/w) of Wood and Bark of 48 Trees from Dry Deciduous (DD) and Moist Deciduous (MD) Forests of Odisha (OD) and West Bengal (WB), India.

Sp. Code	Bot. Nomenclature	State of origin	Forest Type	Oriya name	Bengali name	Klason Lignin		Acid Soluble Lignin		Ash	
						Wood	Bark	Wood	Bark	Wood	Bark
1	<i>Aegle marmelos</i> (L.) Correa	OD	MD	Bela	Bel	12.5	19.2	0.3	0.5	0.5	1.4
2	<i>Alangium salvifolium</i> (L.f.) Wang.	WB	DD	Ankola	Akar	25.7	23.0	0.8	1.2	2.2	1.7
3	<i>Alangium salvifolium</i> (L.f.) Wang.	OD	MD	Ankola	Akar	25.2	24.5	0.4	0.5	2.0	2.1
4	<i>Albizia lebbek</i> (L.) Benth.	WB	DD	Sirisha	Lal sirish	21.6	27.2	0.1	1.0	3.0	4.0
5a	<i>Albizia procera</i> (Roxb.) Benth.	OD	MD	Dhala sirisha	Seto sirish	23.2	21.6	0.3	0.5	1.3	3.5
5b	<i>Albizia procera</i> (Roxb.) Benth.	WB	DD	Dhala sirisha	Seto sirish	22.0	23.8	0.4	1.1	1.5	3.7
6a	<i>Alstonia scholaris</i> (L.) R. Br.	OD	MD	Chhatian	Chhatim	15.0	19.6	0.4	0.6	0.3	2.0
6b	<i>Alstonia scholaris</i> (L.) R. Br.	WB	DD	Chhatian	Chhatim	15.5	22.2	0.6	0.3	0.3	1.9
7	<i>Anogeissus latifolia</i> (DC) Wall. ex Guill. & Perr.	OD	MD	Dhawra	Dhaw	18.6	27.6	0.9	0.6	3.0	3.8
8a	<i>Artocarpus heterophyllus</i> Lam.	OD	MD	Panasa	Kanthal	16.0	24.8	0.5	0.4	1.8	0.6
8b	<i>Artocarpus heterophyllus</i> Lam.	WB	DD	Panasa	Kanthal	22.8	27.2	0.4	1.5	1.9	0.7
9	<i>Azadirachta indica</i> A. Juss.	OD	MD	Nimbo	Neem	14.0	27.6	0.5	0.6	1.1	1.4
10a	<i>Bombax ceiba</i> L.	OD	MD	Shimili	Shimul	16.2	27.5	0.3	0.8	3.0	3.5
10b	<i>Bombax ceiba</i> L.	WB	DD	Shimili	Shimul	18.0	26.0	1.4	1.5	2.7	3.1

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11	<i>Bridelia retusa</i> (L.) A. Juss	OD	MD	Kasi	Kasoi	11.8	18.3	0.4	0.8	1.9	2.4
12a	<i>Buchanania lanzan</i> Spreng.	OD	MD	Char	Piyal	20.8	19.5	0.3	0.7	1.2	6.9
12b	<i>Buchanania lanzan</i> Spreng.	WB	DD	Char	Piyal	22.0	17.6	1.8	0.5	1.8	5.1
13	<i>Careya arborea</i> Roxb.	OD	MD	Kumbei	Asta	26.0	25.7	0.5	0.8	2.3	5.1
14a	<i>Casearia tomentosa</i> Roxb.	OD	MD	Giridi	Churchumon	15.2	21.5	0.5	0.7	1.9	2.5
14b	<i>Casearia tomentosa</i> Roxb.	WB	DD	Giridi	Churchumon	19.7	26.7	0.1	0.5	2.5	3.3
15a	<i>Cassia fistula</i> L.	OD	MD	Sunari	Sonali	19.8	23.0	0.3	0.3	4.1	3.6
15b	<i>Cassia fistula</i> L.	WB	DD	Sunari	Sonali	21.7	25.8	1.1	1.3	4.2	4.5
16	<i>Cleistanthus collinus</i> (Roxb.) Benth. ex Hook.f.	OD	MD	Karada	Parashi	17.0	19.8	0.2	0.5	0.7	0.1
17	<i>Crateva nurvala</i> Buch.-Ham.	OD	MD	Varuna	Bharna	18.7	26.5	0.5	1.0	4.0	3.8
18a	<i>Diospyros melanoxylon</i> Roxb.	OD	MD	Kendu	Kendu	20.0	24.0	0.6	1.0	5.1	2.5
18b	<i>Diospyros melanoxylon</i> Roxb.	WB	DD	Kendu	Kendu	21.5	25.6	0.3	0.7	6.3	2.5
19a	<i>Diospyros malabarica</i> (Desr.) Kostel	OD	MD	Makar Kendu	Haldi	17.8	15.3	0.5	0.7	0.8	1.3
19b	<i>Diospyros malabarica</i> (Desr.) Kostel	WB	DD	Makar Kendu	Haldi	14.0	12.8	0.5	0.8	0.7	1.0
20	<i>Ficus racemosa</i> L.	OD	MD	Dimbiri	Gular	23.8	23.7	0.6	0.9	2.7	3.1

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21	<i>Gmelia arborea</i> Roxb. ex Sm.	OD	MD	Gambhari	Gamar	21.2	23.7	0.4	0.6	2.2	2.8
22	<i>Grewia tiliifolia</i> Vahl	OD	MD	Daman		16.2	24.0	0.3	0.5	0.4	1.1
23	<i>Haldina cordifolia</i> Roxb.	WB	DD	Haldu	Karam	17.0	12.0	3.3	2.1	1.0	3.2
24a	<i>Holarrhena pubescens</i> Wall. Ex G. Don	OD	MD	Kurei	Kurchi	20.5	21.2	0.4	0.6	1.1	1.0
24b	<i>Holarrhena pubescens</i> Wall. Ex G. Don	WB	DD	Kurei	Kurchi	22.5	25.0	0.2	0.5	4.1	2.7
25a	<i>Lagerstroemia parviflora</i> Roxb.	OD	MD	Sidha	Sidha	19.7	23.0	0.8	1.3	0.7	3.3
25b	<i>Lagerstroemia parviflora</i> Roxb.	WB	DD	Sidha	Sidha	19.8	24.7	0.6	0.7	0.3	2.8
26	<i>Lannea coromandelica</i> (Houtt.) Merr.	OD	MD	Moi	Doka/ Jiol	11.7	20.5	0.6	0.9	1.0	3.8
27a	<i>Madhuca longifolia</i> (J. Koenig ex L.) J.F.Macbr.	OD	MD	Mahula	Mahua	19.8	22.7	1.2	0.6	2.7	4.0
27b	<i>Madhuca longifolia</i> (J. Koenig ex L.) J.F.Macbr.	WB	DD	Mahula	Mahua	17.3	21.0	0.8	0.5	1.0	2.3
28	<i>Mangifera indica</i> L.	OD	MD	Ambo	Am	17.3	18.3	0.2	0.5	1.4	2.0
29	<i>Miliusa velutina</i> (Dunal) Hook. f. & Thomson	OD	MD	Gandha palasha	Kari	19.5	24.3	0.5	0.7	2.3	3.4
30	<i>Mimusops elengi</i> L.	WB	DD	Bakula	Bakul	20.0	26.7	1.5	0.3	3.3	4.9
31a	<i>Morinda angustifolia</i> Roxb.	OD	MD	Anchu	Anch	21.0	31.0	0.3	0.6	0.8	1.0

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31b	<i>Morinda angustifolia</i> Roxb.	WB	DD	Anchu	Anch	19.8	32.3	0.5	0.3	0.1	0.7
32	<i>Moringa oleifera</i> Lam.	WB	DD	Sajna	Sajne	28.2	23.7	0.5	0.5	0.5	0.7
33	<i>Mytragyna parviflora</i> Lam.	WB	DD	Gudikaima	Guli Kadam	22.3	12.2	0.3	0.7	3.2	1.6
34	<i>Neolamarckia cadamba</i> (Roxb.) Bosser	WB	DD	Kadamba	Kadam	22.3	36.8	0.7	0.8	2.1	2.6
35	<i>Phyllanthus emblica</i> L.	OD	MD	Onla	Amlaki	19.2	27.2	0.3	0.5	2.0	2.3
36a	<i>Pongamia pinnata</i> L. (Pierre.)	OD	MD	Karanja	Karanj	20.2	22.0	0.9	1.6	0.3	0.5
36b	<i>Pongamia pinnata</i> L. (Pierre.)	WB	DD	Karanja	Karanj	21.0	23.3	1.5	1.5	0.4	0.5
37a	<i>Pterocarpus marsupium</i> Roxb.	OD	MD	Bija	Piyasal	20.2	20.5	0.5	0.5	3.7	3.1
37b	<i>Pterocarpus marsupium</i> Roxb.	WB	DD	Bija	Piyasal	21.8	18.2	1.5	0.8	3.1	4.8
38	<i>Scheischera oleosa</i> (Lour.) Oken	OD	MD	Kusum	Kusum	19.0	21.7	0.6	0.9	4.0	3.3
39	<i>Semecarpus anacardium</i> L. f.	OD	MD	Bhalia	Bhela	17.8	24.7	0.6	0.8	0.7	1.4
40a	<i>Shorea robusta</i> Gaertn.	OD	MD	Sal/ Sargi	Sal	21.1	21.8	0.6	0.7	0.7	0.8
40b	<i>Shorea robusta</i> Gaertn.	WB	DD	Sal/ Sargi	Sal	19.9	24.8	0.6	1.1	0.6	0.6
41	<i>Streblus asper</i> Lour.	OD	MD	Shahara	Sheora	16.7	24.7	0.3	0.7	1.6	2.4
42	<i>Strychnos nux-vomica</i> L.	OD	MD	Kochila	Kuchila	18.8	25.5	0.4	0.8	1.6	3.0
43	<i>Syzygium cumini</i> L. (Skeels)	WB	DD	Jambu	Jam	10.8	27.3	1.3	2.3	0.5	0.7
44a	<i>Tamarindus indica</i> L.	OD	MD	Tentuli	Tentul	20.8	29.8	0.7	0.8	4.5	5.9

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44b	<i>Tamarindus indica</i> L.	WB	DD	Tentuli	Tentul	21.3	26.8	1.1	1.5	4.6	3.6
45a	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	OD	MD	Bahera	Bahera	22.2	23.7	0.5	0.6	0.7	0.5
45b	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	WB	DD	Bahera	Bahera	22.7	25.8	1.0	1.3	2.1	1.8
46a	<i>Terminalia chebula</i> Retz.	OD	MD	Harada	Hartuki	26.8	20.7	0.6	1.0	8.8	3.3
46b	<i>Terminalia chebula</i> Retz.	WB	DD	Harada	Hartuki	25.0	22.5	0.7	1.0	8.1	3.7
47	<i>Terminalia tomentosa</i> Wight & Arn.	OD	MD	Sahaja	Asan	17.3	23.5	0.4	0.8	1.4	4.8
48	<i>Tetranthera monopetala</i> (Roxb. ex Baker)	WB	DD	Medha	Leda	14.2	22.8	0.2	0.5	3.8	6.5