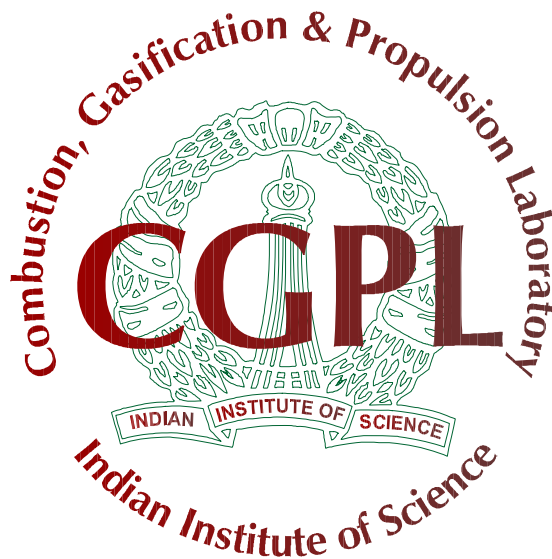


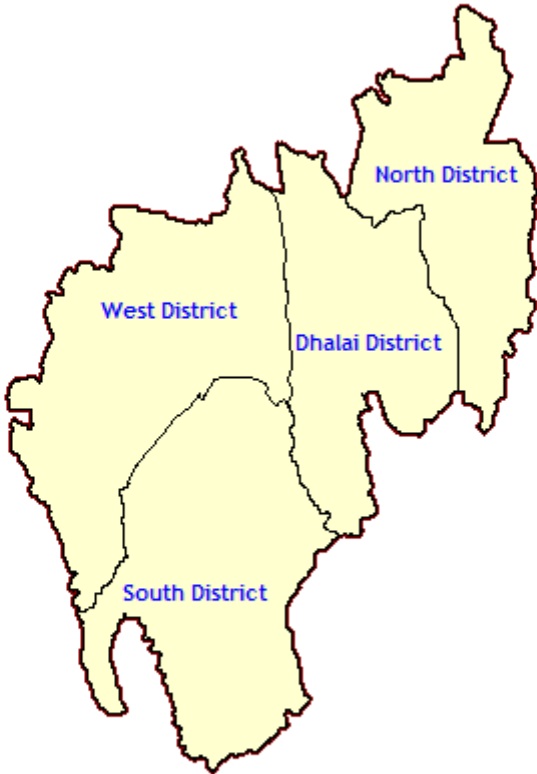
Biomass Mapping for Power Generation for Tripura

Biomass Manual



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Biomass Assessment for Tripura Yearly and Agro



Biomass Assessment for Tripura

1. Yearly

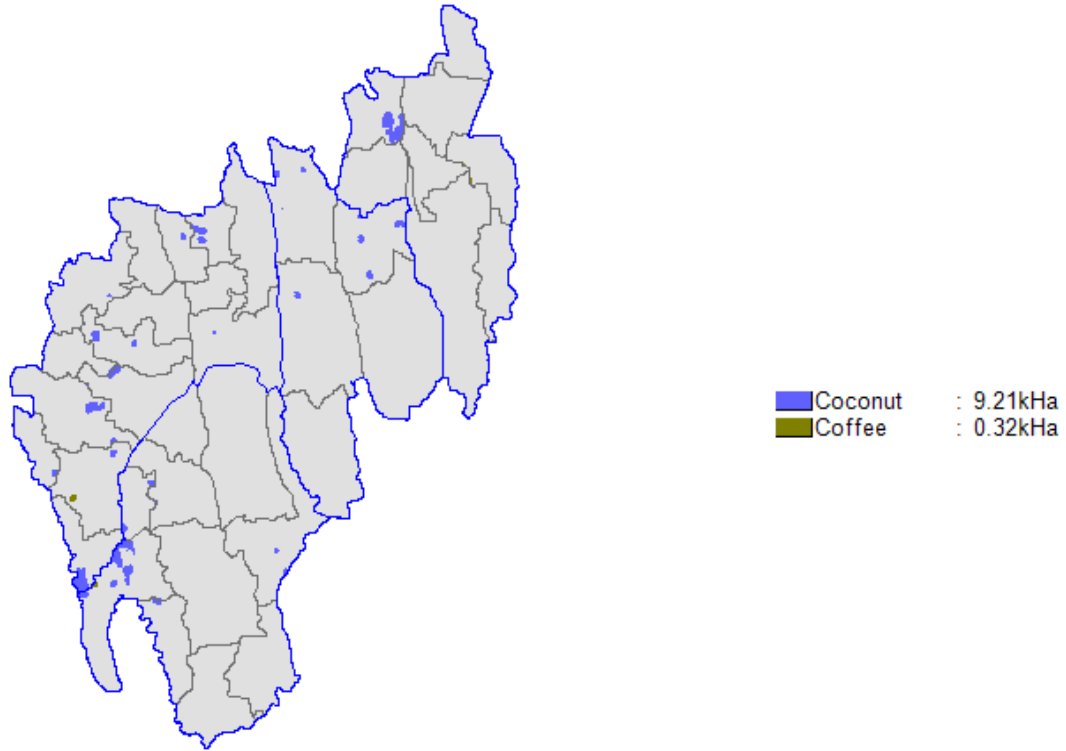
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2. Agro

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Yearly

Tripura-Yearly



State-level Residue-wise

State level Residue-wise Data for Tripura; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	Fronds	9.2	4.0	36.9	18.4	2.6
Coffee	Pruning & Wastes	0.32	0.0065	1.3	1.0	0.14
Coconut	Husk & Pith	9.2	4.0	2.1	1.1	0.14
Coconut	Shell	9.2	4.0	0.87	0.70	0.098
Others	Others	0	0	0.0039	0.00039	4.66E-05
Total		9.5	4.0	41.1	21.2	3.0

State-level District-wise

State level District-wise Data for Tripura ; Season : Yearly					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
West District	3.8	1.7	16.6	8.6	1.2
South District	3.0	1.6	13.3	6.9	0.96
North District	1.9	0.40	7.9	4.1	0.57
Dhalai	0.77	0.29	3.3	1.7	0.23
Total	9.5	4.0	41.1	21.2	3.0

State-level Taluk-wise

State level Taluk-wise Data for Tripura ; Season : Yearly						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
South District	Rajnagar	2.4	1.2	10.7	5.5	0.77
North District	Gournagar	1.8	0.40	7.5	3.8	0.53
West District	Kathalia	1.3	0.60	5.6	2.8	0.39
West District	Bishalgarh	0.67	0.31	2.9	1.5	0.21
West District	Khowai	0.51	0.24	2.2	1.1	0.16
Dhalai	Manu	0.46	0.17	2.0	1.00	0.14
West District	Jirania	0.36	0.17	1.6	0.79	0.11
South District	Kakraban	0.33	0.17	1.4	0.73	0.10
West District	Jampuijala	0.31	0.15	1.3	0.68	0.095
West District	Melaghar	0.23	0.049	0.95	0.63	0.089
Dhalai	Salema	0.20	0.074	0.86	0.43	0.061
South District	Hrishyamukh	0.15	0.079	0.66	0.33	0.047
West District	Mohanpur	0.14	0.067	0.62	0.32	0.044
West District	Boxanagar	0.14	0.064	0.59	0.30	0.042
North District	Damchhara	0.080	0.0016	0.32	0.26	0.036
South District	Karbuk	0.11	0.059	0.49	0.25	0.035
Dhalai	Ambassa	0.11	0.040	0.46	0.23	0.033
West District	Pabmabil	0.096	0.045	0.42	0.21	0.029

District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
West District	Dukli	0.057	0.027	0.25	0.13	0.017
West District	Teliamura	0.032	0.015	0.14	0.072	0.0100
North District	Pencharthal	0.016	0.00032	0.063	0.051	0.0071
South District	Bagafa	0.011	0.00022	0.045	0.036	0.0050
Dhalai	Dumburnagar	0.0024	0.00090	0.010	0.0052	0.00073
Total		9.5	4.0	41.1	21.2	3.0

District-level Residue-wise

District level Residue-wise Data for Dhalai; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	3.3	1.7	0.23
Coconut	FronDs	0.77	0.29	3.1	1.5	0.22
Coconut	Husk & Pith	0.77	0.29	0.15	0.076	0.0099
Coconut	Shell	0.77	0.29	0.063	0.051	0.0071
Total		0.77	0.29	6.6	3.3	0.47

District level Residue-wise Data for North District; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	7.9	4.1	0.57
Coconut	FronDs	1.8	0.40	7.2	3.6	0.51
Coffee	Pruning & Wastes	0.096	0.0019	0.38	0.31	0.043
Coconut	Husk & Pith	1.8	0.40	0.21	0.10	0.014
Coconut	Shell	1.8	0.40	0.087	0.069	0.0097
Coffee	Husk	0.096	0.0019	0.0011	0.00011	1.38E-05
Total		1.9	0.40	15.8	8.2	1.1

District level Residue-wise Data for South District; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	13.3	6.9	0.96
Coconut	FronDs	2.9	1.6	11.8	5.9	0.82
Coconut	Husk & Pith	2.9	1.6	0.83	0.41	0.054
Coffee	Pruning & Wastes	0.098	0.0020	0.39	0.31	0.044
Coconut	Shell	2.9	1.6	0.34	0.27	0.038
Coffee	Husk	0.098	0.0020	0.0012	0.00012	1.41E-05
Total		3.0	1.6	26.7	13.8	1.9

District level Residue-wise Data for West District; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	16.6	8.6	1.2
Coconut	FronDs	3.7	1.7	14.8	7.4	1.0
Coconut	Husk & Pith	3.7	1.7	0.92	0.46	0.060
Coffee	Pruning & Wastes	0.13	0.0026	0.52	0.42	0.058
Coconut	Shell	3.7	1.7	0.38	0.30	0.043
Coffee	Husk	0.13	0.0026	0.0016	0.00016	1.87E-05
Total		3.8	1.7	33.1	17.1	2.4

District-level Taluk-wise

DistrictLevel Taluk-wise Data for Dhalai ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Manu	0.46	0.17	2.0	1.00	0.14
Salema	0.20	0.074	0.86	0.43	0.061
Ambassa	0.11	0.040	0.46	0.23	0.033
Dumburnagar	0.0024	0.00090	0.010	0.0052	0.00073
Total	0.77	0.29	3.3	1.7	0.23

DistrictLevel Taluk-wise Data for North District ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gournagar	1.8	0.40	7.5	3.8	0.53
Damchhara	0.080	0.0016	0.32	0.26	0.036
Pencharthal	0.016	0.00032	0.063	0.051	0.0071
Total	1.9	0.40	7.9	4.1	0.57

DistrictLevel Taluk-wise Data for South District ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rajnagar	2.4	1.2	10.7	5.5	0.77
Kakraban	0.33	0.17	1.4	0.73	0.10
Hrishyamukh	0.15	0.079	0.66	0.33	0.047
Karbuk	0.11	0.059	0.49	0.25	0.035
Bagafa	0.011	0.00022	0.045	0.036	0.0050
Total	3.0	1.6	13.3	6.9	0.96

DistrictLevel Taluk-wise Data for West District ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kathalia	1.3	0.60	5.6	2.8	0.39
Bishalgarh	0.67	0.31	2.9	1.5	0.21
Khowai	0.51	0.24	2.2	1.1	0.16
Jirania	0.36	0.17	1.6	0.79	0.11
Jampuijala	0.31	0.15	1.3	0.68	0.095
Melaghar	0.23	0.049	0.95	0.63	0.089
Mohanpur	0.14	0.067	0.62	0.32	0.044
Boxanagar	0.14	0.064	0.59	0.30	0.042
Pabmabil	0.096	0.045	0.42	0.21	0.029
Dukli	0.057	0.027	0.25	0.13	0.017
Teliamura	0.032	0.015	0.14	0.072	0.0100
Total	3.8	1.7	16.6	8.6	1.2

Taluk-level Residue-wise

Taluk level Residue-wise Data for Ambassa ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.11	0.040	0.46	0.23	0.033
Total		0.11	0.040	0.46	0.23	0.033

Taluk level Residue-wise Data for Dumburnagar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0024	0.00090	0.010	0.0052	0.00073
Total		0.0024	0.00090	0.010	0.0052	0.00073

Taluk level Residue-wise Data for Manu ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	Fronds	0.46	0.17	1.8	0.92	0.13
Others	Others	0	0	0.13	0.076	0.010
Total		0.46	0.17	2.0	1.00	0.14

Taluk level Residue-wise Data for Salema ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	Fronds	0.20	0.074	0.80	0.40	0.056
Others	Others	0	0	0.056	0.033	0.0044
Total		0.20	0.074	0.86	0.43	0.061

Taluk level Residue-wise Data for Damchhara ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.080	0.0016	0.32	0.26	0.036
Total		0.080	0.0016	0.32	0.26	0.036

Taluk level Residue-wise Data for Gournagar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	1.8	0.40	7.2	3.6	0.51
Others	Others	0	0	0.30	0.17	0.023
Total		1.8	0.40	7.5	3.8	0.53

Taluk level Residue-wise Data for Pencharthal ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.016	0.00032	0.063	0.051	0.0071
Total		0.016	0.00032	0.063	0.051	0.0071

Taluk level Residue-wise Data for Bagafa ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.011	0.00022	0.045	0.036	0.0050
Total		0.011	0.00022	0.045	0.036	0.0050

Taluk level Residue-wise Data for Hrishyamukh ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.15	0.079	0.66	0.33	0.047
Total		0.15	0.079	0.66	0.33	0.047

Taluk level Residue-wise Data for Kakraban ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.33	0.17	1.3	0.66	0.092
Others	Others	0	0	0.13	0.077	0.010
Total		0.33	0.17	1.4	0.73	0.10

Taluk level Residue-wise Data for Karbuk ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.11	0.059	0.49	0.25	0.035
Total		0.11	0.059	0.49	0.25	0.035

Taluk level Residue-wise Data for Rajnagar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	2.4	1.2	9.4	4.7	0.66
Others	Others	0.087	0.0017	1.3	0.83	0.11
Total		2.4	1.2	10.7	5.5	0.77

Taluk level Residue-wise Data for Bishalgarh ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.67	0.31	2.7	1.3	0.19
Others	Others	0	0	0.23	0.14	0.018
Total		0.67	0.31	2.9	1.5	0.21

Taluk level Residue-wise Data for Boxanagar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.14	0.064	0.59	0.30	0.042
Total		0.14	0.064	0.59	0.30	0.042

Taluk level Residue-wise Data for Dukli ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.057	0.027	0.25	0.13	0.017
Total		0.057	0.027	0.25	0.13	0.017

Taluk level Residue-wise Data for Jampuijala ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.31	0.15	1.2	0.62	0.087
Others	Others	0	0	0.11	0.064	0.0086
Total		0.31	0.15	1.3	0.68	0.095

Taluk level Residue-wise Data for Jirania ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.36	0.17	1.4	0.72	0.10
Others	Others	0	0	0.13	0.074	0.0099
Total		0.36	0.17	1.6	0.79	0.11

Taluk level Residue-wise Data for Kathalia ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	1.3	0.60	5.1	2.6	0.36
Others	Others	0	0	0.45	0.26	0.035
Total		1.3	0.60	5.6	2.8	0.39

Taluk level Residue-wise Data for Khowai ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.51	0.24	2.0	1.0	0.14
Others	Others	0	0	0.18	0.11	0.014
Total		0.51	0.24	2.2	1.1	0.16

Taluk level Residue-wise Data for Melaghar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coffee	Pruning & Wastes	0.13	0.0026	0.52	0.41	0.058
Others	Others	0.100	0.047	0.44	0.22	0.031
Total		0.23	0.049	0.95	0.63	0.089

Taluk level Residue-wise Data for Mohanpur ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.14	0.067	0.62	0.32	0.044
Total		0.14	0.067	0.62	0.32	0.044

Taluk level Residue-wise Data for Pabmabil ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.096	0.045	0.42	0.21	0.029
Total		0.096	0.045	0.42	0.21	0.029

Taluk level Residue-wise Data for Teliamura ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.032	0.015	0.14	0.072	0.0100
Total		0.032	0.015	0.14	0.072	0.0100

Agro

State-level Residue-wise

State level Residue-wise Data for Tripura; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	Fronds	9.2	4.0	36.9	18.4	2.6
Coffee	Pruning & Wastes	0.32	0.0065	1.3	1.0	0.14
Coconut	Husk & Pith	9.2	4.0	2.1	1.1	0.14
Coconut	Shell	9.2	4.0	0.87	0.70	0.098
Others	Others	0	0	0.0039	0.00039	4.66E-05
Total		9.5	4.0	41.1	21.2	3.0

State-level District-wise

State level District-wise Data for Tripura ; Biomass Class : Agro						
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	
West District	3.8	1.7	16.6	8.6	1.2	
South District	3.0	1.6	13.3	6.9	0.96	
North District	1.9	0.40	7.9	4.1	0.57	
Dhalai	0.77	0.29	3.3	1.7	0.23	
Total		9.5	4.0	41.1	21.2	3.0

State-level Taluk-wise

State level Taluk-wise Data for Tripura ; Biomass Class : Agro						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
South District	Rajnagar	2.4	1.2	10.7	5.5	0.77
North District	Gournagar	1.8	0.40	7.5	3.8	0.53
West District	Kathalia	1.3	0.60	5.6	2.8	0.39
West District	Bishalgarh	0.67	0.31	2.9	1.5	0.21
West District	Khowai	0.51	0.24	2.2	1.1	0.16
Dhalai	Manu	0.46	0.17	2.0	1.00	0.14
West District	Jirania	0.36	0.17	1.6	0.79	0.11
South District	Kakraban	0.33	0.17	1.4	0.73	0.10
West District	Jampuijala	0.31	0.15	1.3	0.68	0.095
West District	Melaghar	0.23	0.049	0.95	0.63	0.089
Dhalai	Salema	0.20	0.074	0.86	0.43	0.061
South District	Hrishyamukh	0.15	0.079	0.66	0.33	0.047
West District	Mohanpur	0.14	0.067	0.62	0.32	0.044
West District	Boxanagar	0.14	0.064	0.59	0.30	0.042
North District	Damchhara	0.080	0.0016	0.32	0.26	0.036
South District	Karbuk	0.11	0.059	0.49	0.25	0.035
Dhalai	Ambassa	0.11	0.040	0.46	0.23	0.033
West District	Pabmabil	0.096	0.045	0.42	0.21	0.029
West District	Dukli	0.057	0.027	0.25	0.13	0.017
West District	Teliamura	0.032	0.015	0.14	0.072	0.0100
North District	Pencharthal	0.016	0.00032	0.063	0.051	0.0071
South District	Bagafa	0.011	0.00022	0.045	0.036	0.0050
Dhalai	Dumburnagar	0.0024	0.00090	0.010	0.0052	0.00073
Total		9.5	4.0	41.1	21.2	3.0

District-level Residue-wise

District level Residue-wise Data for Dhalai; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	3.3	1.7	0.23
Coconut	FronDs	0.77	0.29	3.1	1.5	0.22
Coconut	Husk & Pith	0.77	0.29	0.15	0.076	0.0099
Coconut	Shell	0.77	0.29	0.063	0.051	0.0071
Total		0.77	0.29	6.6	3.3	0.47

District level Residue-wise Data for North District; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	7.9	4.1	0.57
Coconut	FronDs	1.8	0.40	7.2	3.6	0.51
Coffee	Pruning & Wastes	0.096	0.0019	0.38	0.31	0.043
Coconut	Husk & Pith	1.8	0.40	0.21	0.10	0.014
Coconut	Shell	1.8	0.40	0.087	0.069	0.0097
Coffee	Husk	0.096	0.0019	0.0011	0.00011	1.38E-05
Total		1.9	0.40	15.8	8.2	1.1

District level Residue-wise Data for South District; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	13.3	6.9	0.96
Coconut	FronDs	2.9	1.6	11.8	5.9	0.82
Coconut	Husk & Pith	2.9	1.6	0.83	0.41	0.054
Coffee	Pruning & Wastes	0.098	0.0020	0.39	0.31	0.044
Coconut	Shell	2.9	1.6	0.34	0.27	0.038
Coffee	Husk	0.098	0.0020	0.0012	0.00012	1.41E-05
Total		3.0	1.6	26.7	13.8	1.9

District level Residue-wise Data for West District; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0	0	16.6	8.6	1.2
Coconut	FronDs	3.7	1.7	14.8	7.4	1.0
Coconut	Husk & Pith	3.7	1.7	0.92	0.46	0.060
Coffee	Pruning & Wastes	0.13	0.0026	0.52	0.42	0.058
Coconut	Shell	3.7	1.7	0.38	0.30	0.043
Coffee	Husk	0.13	0.0026	0.0016	0.00016	1.87E-05
Total		3.8	1.7	33.1	17.1	2.4

District-level Taluk-wise

DistrictLevel Taluk-wise Data for Dhalai ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Manu	0.46	0.17	2.0	1.00	0.14
Salema	0.20	0.074	0.86	0.43	0.061
Ambassa	0.11	0.040	0.46	0.23	0.033
Dumburnagar	0.0024	0.00090	0.010	0.0052	0.00073
Total	0.77	0.29	3.3	1.7	0.23

DistrictLevel Taluk-wise Data for North District ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gournagar	1.8	0.40	7.5	3.8	0.53
Damchhara	0.080	0.0016	0.32	0.26	0.036
Pencharthal	0.016	0.00032	0.063	0.051	0.0071
Total	1.9	0.40	7.9	4.1	0.57

DistrictLevel Taluk-wise Data for South District ; Biomass					
Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rajnagar	2.4	1.2	10.7	5.5	0.77
Kakraban	0.33	0.17	1.4	0.73	0.10
Hrishyamukh	0.15	0.079	0.66	0.33	0.047
Karbuk	0.11	0.059	0.49	0.25	0.035
Bagafa	0.011	0.00022	0.045	0.036	0.0050
Total	3.0	1.6	13.3	6.9	0.96

DistrictLevel Taluk-wise Data for West District ; Biomass					
Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kathalia	1.3	0.60	5.6	2.8	0.39
Bishalgarh	0.67	0.31	2.9	1.5	0.21
Khowai	0.51	0.24	2.2	1.1	0.16
Jirania	0.36	0.17	1.6	0.79	0.11
Jampuijala	0.31	0.15	1.3	0.68	0.095
Melaghar	0.23	0.049	0.95	0.63	0.089
Mohanpur	0.14	0.067	0.62	0.32	0.044
Boxanagar	0.14	0.064	0.59	0.30	0.042
Pabmabil	0.096	0.045	0.42	0.21	0.029
Dukli	0.057	0.027	0.25	0.13	0.017
Teliamura	0.032	0.015	0.14	0.072	0.0100
Total	3.8	1.7	16.6	8.6	1.2

Taluk-level Residue-wise

Taluk level Residue-wise Data for Ambassa ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.11	0.040	0.46	0.23	0.033
Total		0.11	0.040	0.46	0.23	0.033

Taluk level Residue-wise Data for Dumburnagar ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0024	0.00090	0.010	0.0052	0.00073
Total		0.0024	0.00090	0.010	0.0052	0.00073

Taluk level Residue-wise Data for Manu ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	Fronds	0.46	0.17	1.8	0.92	0.13
Others	Others	0	0	0.13	0.076	0.010
Total		0.46	0.17	2.0	1.00	0.14

Taluk level Residue-wise Data for Salema ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	Fronds	0.20	0.074	0.80	0.40	0.056
Others	Others	0	0	0.056	0.033	0.0044
Total		0.20	0.074	0.86	0.43	0.061

Taluk level Residue-wise Data for Damchhara ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.080	0.0016	0.32	0.26	0.036
Total		0.080	0.0016	0.32	0.26	0.036

Taluk level Residue-wise Data for Gournagar ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	Fronds	1.8	0.40	7.2	3.6	0.51
Others	Others	0	0	0.30	0.17	0.023
Total		1.8	0.40	7.5	3.8	0.53

Taluk level Residue-wise Data for Pencharthal ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.016	0.00032	0.063	0.051	0.0071
Total		0.016	0.00032	0.063	0.051	0.0071

Taluk level Residue-wise Data for Bagafa ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.011	0.00022	0.045	0.036	0.0050
Total		0.011	0.00022	0.045	0.036	0.0050

Taluk level Residue-wise Data for Hrishyamukh ; Biomass Class : Agro

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.15	0.079	0.66	0.33	0.047
Total		0.15	0.079	0.66	0.33	0.047

Taluk level Residue-wise Data for Kakraban ; Biomass Class : Agro

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.33	0.17	1.3	0.66	0.092
Others	Others	0	0	0.13	0.077	0.010
Total		0.33	0.17	1.4	0.73	0.10

Taluk level Residue-wise Data for Karbuk ; Biomass Class : Agro

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.11	0.059	0.49	0.25	0.035
Total		0.11	0.059	0.49	0.25	0.035

Taluk level Residue-wise Data for Rajnagar ; Biomass Class : Agro

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	2.4	1.2	9.4	4.7	0.66
Others	Others	0.087	0.0017	1.3	0.83	0.11
Total		2.4	1.2	10.7	5.5	0.77

Taluk level Residue-wise Data for Bishalgarh ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.67	0.31	2.7	1.3	0.19
Others	Others	0	0	0.23	0.14	0.018
Total		0.67	0.31	2.9	1.5	0.21

Taluk level Residue-wise Data for Boxanagar ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.14	0.064	0.59	0.30	0.042
Total		0.14	0.064	0.59	0.30	0.042

Taluk level Residue-wise Data for Dukli ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.057	0.027	0.25	0.13	0.017
Total		0.057	0.027	0.25	0.13	0.017

Taluk level Residue-wise Data for Jampuijala ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.31	0.15	1.2	0.62	0.087
Others	Others	0	0	0.11	0.064	0.0086
Total		0.31	0.15	1.3	0.68	0.095

Taluk level Residue-wise Data for Jirania ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.36	0.17	1.4	0.72	0.10
Others	Others	0	0	0.13	0.074	0.0099
Total		0.36	0.17	1.6	0.79	0.11

Taluk level Residue-wise Data for Kathalia ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	1.3	0.60	5.1	2.6	0.36
Others	Others	0	0	0.45	0.26	0.035
Total		1.3	0.60	5.6	2.8	0.39

Taluk level Residue-wise Data for Khowai ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coconut	FronDs	0.51	0.24	2.0	1.0	0.14
Others	Others	0	0	0.18	0.11	0.014
Total		0.51	0.24	2.2	1.1	0.16

Taluk level Residue-wise Data for Melaghar ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coffee	Pruning & Wastes	0.13	0.0026	0.52	0.41	0.058
Others	Others	0.100	0.047	0.44	0.22	0.031
Total		0.23	0.049	0.95	0.63	0.089

Taluk level Residue-wise Data for Mohanpur ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.14	0.067	0.62	0.32	0.044
Total		0.14	0.067	0.62	0.32	0.044

Taluk level Residue-wise Data for Pabmabil ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.096	0.045	0.42	0.21	0.029
Total		0.096	0.045	0.42	0.21	0.029

Taluk level Residue-wise Data for Teliamura ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.032	0.015	0.14	0.072	0.0100
Total		0.032	0.015	0.14	0.072	0.0100

Note:

Biomass Data for season 'Kharif and Rabi' for 'Tripura' is not available at CGPL

Others' contributes to collection of crops whose Power Potential is less than 0.05MWe. These residues will not be separately listed instead they are aggregated into 'Others'.

The Tolerance for the above data at Taluk level is about 25%. The residue-wise data at taluk level may have a tolerance of more than 25% depending on spatial availability of agro-area and spatial aggregation as compared to statistically reported crop area. District Survey instituted by MNRE [Ministry of New & Renewable Energy] was done and biomass was reported for period beyond 1999 of the States country wide. The updated crop data at the district level is used as an input to construct the Biomass Atlas Enabling spatial extraction of the biomass data tables above.