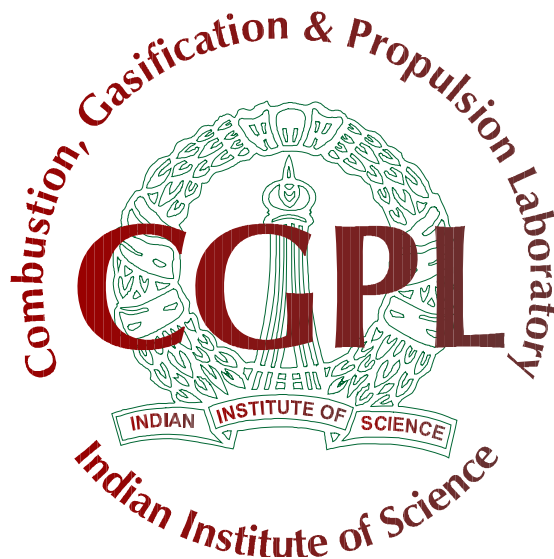


Biomass Mapping for Power Generation for Mizoram

Biomass Manual



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Biomass Assessment for Mizoram for Kharif, Rabi, Yearly and Agro



Biomass Assessment for Mizoram

1. Kharif

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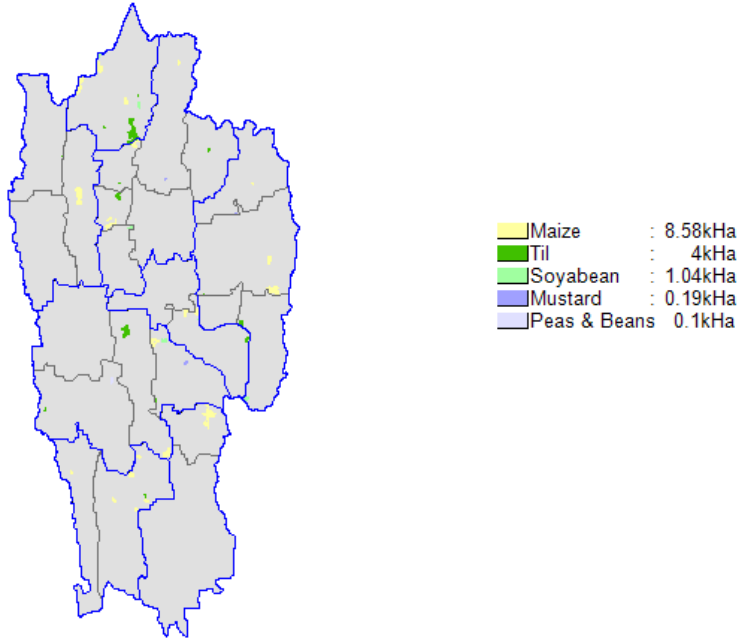
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Kharif

Mizoram-Kharif



State Level Residue Wise Data

State level Residue-wise Data for Mizoram; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	8.6	16.5	32.9	3.3	0.43
Til	Stalks	4.0	4.1	10.3	1.0	0.13
Maize	Cobs	8.6	16.5	8.2	0.82	0.12
Others	Others	1.3	2.0	3.4	0.45	0.057
Total		13.9	22.6	54.9	5.6	0.73

State Level District Wise Data

State level District-wise Data for Mizoram ; Season : Kharif					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kolasib	4.2	6.0	14.7	1.5	0.19
Lunglei	2.1	3.2	7.6	0.81	0.11
Aizwal	1.8	2.8	6.8	0.69	0.090
Champai	1.7	2.7	6.4	0.66	0.086
Saiha	1.1	2.5	6.2	0.65	0.085
Lawngtlai	0.92	2.2	5.5	0.55	0.073
Mamit	1.4	2.1	5.1	0.52	0.068
Serchhip	0.67	1.0	2.5	0.26	0.034
Total	13.9	22.6	54.9	5.6	0.73

State Level Taluk Wise Data

State level Taluk-wise Data for Mizoram ; Season : Kharif						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kolasib	North Thingdawl	4.2	6.0	14.7	1.5	0.19
Saiha	Sangau	0.95	2.4	5.9	0.59	0.078
Lawngtlai	Lawngtlai	0.87	2.1	5.2	0.52	0.069
Champai	Khawzawl	1.2	1.9	4.8	0.48	0.064
Mamit	Reiek	1.1	1.8	4.4	0.45	0.059
Lunglei	Hnahthial	0.76	1.6	3.7	0.41	0.053
Aizwal	Tlangnuam-B	1.0	1.5	3.8	0.38	0.051
Lunglei	Lunglei	1.1	1.5	3.7	0.37	0.049
Serchhip	East Lungdar-B	0.67	1.0	2.5	0.25	0.033
Aizwal	Tlangnuam-A	0.49	0.80	2.0	0.20	0.026
Champai	Khawbung	0.48	0.63	1.4	0.14	0.018
Mamit	Zawlnuam	0.24	0.28	0.70	0.070	0.0091
Saiha	Tuipang	0.19	0.15	0.33	0.055	0.0069
Aizwal	Darlawn	0.096	0.14	0.33	0.045	0.0058
Aizwal	Thingsulthliah	0.16	0.25	0.43	0.044	0.0057
Champai	Ngopa	0.078	0.11	0.27	0.039	0.0050
Lawngtlai	Chawngte	0.048	0.12	0.30	0.030	0.0039
Lunglei	Lungsen	0.22	0.17	0.21	0.026	0.0033

District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Aizwal	Phullen	0.048	0.057	0.14	0.014	0.0019
Serchhip	Serchhip	0.0051	0.0060	0.015	0.0015	0.00019
Aizwal	Aibawk	0.0010	0.0010	0.0024	0.00069	8.43E-05
Total		13.9	22.6	54.9	5.6	0.73

District Level Residue Wise Data

District level Residue-wise Data for Aizwal; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	1.2	2.1	4.1	0.41	0.054
Others	Others	0.56	0.72	2.6	0.28	0.037
Total		1.8	2.8	6.8	0.69	0.090

District level Residue-wise Data for Champai; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	1.2	2.0	4.0	0.40	0.051
Others	Others	0.53	0.68	2.5	0.26	0.035
Total		1.7	2.7	6.4	0.66	0.086

District level Residue-wise Data for Kolasib; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	1.9	3.1	6.2	0.62	0.081
Til	Stalks	2.0	2.4	6.1	0.61	0.079
Others	Others	0.29	0.49	2.4	0.24	0.032
Total		4.2	6.0	14.7	1.5	0.19

District level Residue-wise Data for Lawngtlai; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	0.87	2.2	4.4	0.44	0.057
Others	Others	0.047	0.023	1.1	0.11	0.016
Total		0.92	2.2	5.5	0.55	0.073

District level Residue-wise Data for Lunglei; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	1.0	2.4	4.9	0.49	0.063
Others	Others	1.1	0.81	2.8	0.32	0.042
Total		2.1	3.2	7.6	0.81	0.11

District level Residue-wise Data for Mamit; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.4	2.1	5.1	0.52	0.068
Total		1.4	2.1	5.1	0.52	0.068

District level Residue-wise Data for Saiha; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	0.95	2.4	4.7	0.47	0.061
Others	Others	0.19	0.15	1.5	0.17	0.023
Total		1.1	2.5	6.2	0.65	0.085

District level Residue-wise Data for Serchhip; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.67	1.0	2.5	0.26	0.034
Total		0.67	1.0	2.5	0.26	0.034

District Level Taluk Wise Data

DistrictLevel Taluk-wise Data for Aizwal ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Tlangnuam-B	1.0	1.5	3.8	0.38	0.051
Tlangnuam-A	0.49	0.80	2.0	0.20	0.026
Darlawn	0.096	0.14	0.33	0.045	0.0058
Thingsulthliah	0.16	0.25	0.43	0.044	0.0057
Phullen	0.048	0.057	0.14	0.014	0.0019
Aibawk	0.0010	0.0010	0.0024	0.00069	8.43E-05
Total	1.8	2.8	6.8	0.69	0.090

DistrictLevel Taluk-wise Data for Champai ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Khawzawl	1.2	1.9	4.8	0.48	0.064
Khawbung	0.48	0.63	1.4	0.14	0.018
Ngopa	0.078	0.11	0.27	0.039	0.0050
Total	1.7	2.7	6.4	0.66	0.086

DistrictLevel Taluk-wise Data for Kolasib ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
North Thingdawl	4.2	6.0	14.7	1.5	0.19
Total	4.2	6.0	14.7	1.5	0.19

DistrictLevel Taluk-wise Data for Lawngtlai ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Lawngtlai	0.87	2.1	5.2	0.52	0.069
Chawngte	0.048	0.12	0.30	0.030	0.0039
Total	0.92	2.2	5.5	0.55	0.073

DistrictLevel Taluk-wise Data for Lunglei ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Hnahthial	0.76	1.6	3.7	0.41	0.053
Lunglei	1.1	1.5	3.7	0.37	0.049
Lungsen	0.22	0.17	0.21	0.026	0.0033
Total	2.1	3.2	7.6	0.81	0.11

DistrictLevel Taluk-wise Data for Mamt ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Reiek	1.1	1.8	4.4	0.45	0.059
Zawlnuam	0.24	0.28	0.70	0.070	0.0091
Total	1.4	2.1	5.1	0.52	0.068

DistrictLevel Taluk-wise Data for Saiha ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sangau	0.95	2.4	5.9	0.59	0.078
Tuipang	0.19	0.15	0.33	0.055	0.0069
Total	1.1	2.5	6.2	0.65	0.085

DistrictLevel Taluk-wise Data for Serchhip ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
East Lungdar-B	0.67	1.0	2.5	0.25	0.033
Serchhip	0.0051	0.0060	0.015	0.0015	0.00019
Total	0.67	1.0	2.5	0.26	0.034

Taluk Level Residue Wise Data

Taluk level Residue-wise Data for Aibawk ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0010	0.0010	0.0024	0.00069	8.43E-05
Total		0.0010	0.0010	0.0024	0.00069	8.43E-05

Taluk level Residue-wise Data for Darlawn ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.096	0.14	0.33	0.045	0.0058
Total		0.096	0.14	0.33	0.045	0.0058

Taluk level Residue-wise Data for Phullen ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.048	0.057	0.14	0.014	0.0019
Total		0.048	0.057	0.14	0.014	0.0019

Taluk level Residue-wise Data for Thingsulthliah ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.16	0.25	0.43	0.044	0.0057
Total		0.16	0.25	0.43	0.044	0.0057

Taluk level Residue-wise Data for Tlangnuam-A ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.49	0.80	2.0	0.20	0.026
Total		0.49	0.80	2.0	0.20	0.026

Taluk level Residue-wise Data for Tlangnuam-B ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.0	1.5	3.8	0.38	0.051
Total		1.0	1.5	3.8	0.38	0.051

Taluk level Residue-wise Data for Khawbung ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.48	0.63	1.4	0.14	0.018
Total		0.48	0.63	1.4	0.14	0.018

Taluk level Residue-wise Data for Khawzawl ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.2	1.9	4.8	0.48	0.064
Total		1.2	1.9	4.8	0.48	0.064

Taluk level Residue-wise Data for Ngopa ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.078	0.11	0.27	0.039	0.0050
Total		0.078	0.11	0.27	0.039	0.0050

Taluk level Residue-wise Data for North Thingdawl ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	1.9	3.1	6.2	0.62	0.081
Til	Stalks	2.0	2.4	6.1	0.61	0.079
Others	Others	0.29	0.49	2.4	0.24	0.032
Total		4.2	6.0	14.7	1.5	0.19

Taluk level Residue-wise Data for Chawnge ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.048	0.12	0.30	0.030	0.0039
Total		0.048	0.12	0.30	0.030	0.0039

Taluk level Residue-wise Data for Lawngtlai ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	0.82	2.1	4.1	0.41	0.054
Others	Others	0.046	0.023	1.1	0.11	0.015
Total		0.87	2.1	5.2	0.52	0.069

Taluk level Residue-wise Data for Hnahthial ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.76	1.6	3.7	0.41	0.053
Total		0.76	1.6	3.7	0.41	0.053

Taluk level Residue-wise Data for Lunglei ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.1	1.5	3.7	0.37	0.049
Total		1.1	1.5	3.7	0.37	0.049

Taluk level Residue-wise Data for Lungsen ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.22	0.17	0.21	0.026	0.0033
Total		0.22	0.17	0.21	0.026	0.0033

Taluk level Residue-wise Data for Reiek ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.1	1.8	4.4	0.45	0.059
Total		1.1	1.8	4.4	0.45	0.059

Taluk level Residue-wise Data for Zawlnuam ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.24	0.28	0.70	0.070	0.0091
Total		0.24	0.28	0.70	0.070	0.0091

Taluk level Residue-wise Data for Sangau ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	0.95	2.4	4.7	0.47	0.061
Others	Others	0.00011	5.60E-05	1.2	0.12	0.017
Total		0.95	2.4	5.9	0.59	0.078

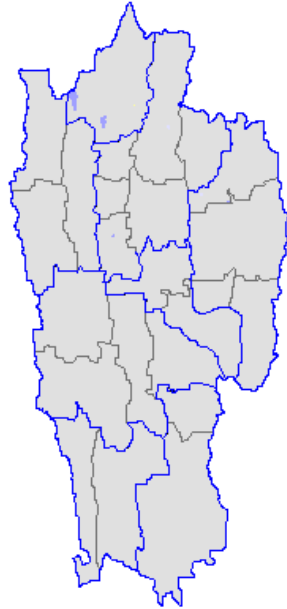
Taluk level Residue-wise Data for Tuipang ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.19	0.15	0.33	0.055	0.0069
Total		0.19	0.15	0.33	0.055	0.0069

Taluk level Residue-wise Data for East Lungdar-B ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.67	1.0	2.5	0.25	0.033
Total		0.67	1.0	2.5	0.25	0.033

Taluk level Residue-wise Data for Serchhip ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0051	0.0060	0.015	0.0015	0.00019
Total		0.0051	0.0060	0.015	0.0015	0.00019

Rabi

Mizoram-Rabi



■ Mustard : 2.12kHa
■ Peas & Beans 0.19kHa
■ Maize : 0.09kHa

State Level Residue Wise Data

State level Residue-wise Data for Mizoram; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Husk	2.1	1.4	0.70	0.66	0.080
Others	Others	0.30	0.39	3.1	0.31	0.040
Total		2.4	1.8	3.8	0.97	0.12

State Level District Wise Data

State level District-wise Data for Mizoram ; Season : Rabi					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kolasib	2.2	1.5	3.3	0.85	0.11
Aizwal	0.063	0.094	0.16	0.042	0.0052
Champai	0.062	0.092	0.15	0.041	0.0050

District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mamit	0.041	0.058	0.091	0.024	0.0029
Serchhip	0.020	0.030	0.049	0.013	0.0016
Total	2.4	1.8	3.8	0.97	0.12

State Level Taluk Wise Data

State level Taluk-wise Data for Mizoram ; Season : Rabi						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kolasib	North Thingdawl	2.2	1.5	3.3	0.85	0.11
Champai	Ngopa	0.058	0.088	0.15	0.041	0.0050
Aizwal	Thingsulthliah	0.030	0.060	0.14	0.039	0.0048
Mamit	Reiek	0.017	0.034	0.078	0.022	0.0027
Serchhip	East Lungdar-B	0.020	0.030	0.049	0.013	0.0016
Aizwal	Aibawk	0.0046	0.0056	0.0066	0.0016	0.00019
Aizwal	Darlawn	0.028	0.028	0.014	0.0014	0.00018
Mamit	Zawlnuam	0.024	0.024	0.012	0.0012	0.00016
Champai	Khawzawl	0.0035	0.0035	0.0017	0.00017	2.27E-05
Champai	Khawbung	1.90E-05	3.80E-05	8.74E-05	2.49E-05	3.06E-06
Total		2.4	1.8	3.8	0.97	0.12

District Level Residue Wise Data

District level Residue-wise Data for Aizwal; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.063	0.094	0.16	0.042	0.0052
Total		0.063	0.094	0.16	0.042	0.0052

District level Residue-wise Data for Champai; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.062	0.092	0.15	0.041	0.0050
Total		0.062	0.092	0.15	0.041	0.0050

District level Residue-wise Data for Kolasib; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Husk	2.0	1.2	0.61	0.58	0.070
Others	Others	0.20	0.29	2.7	0.27	0.036
Total		2.2	1.5	3.3	0.85	0.11

District level Residue-wise Data for Mamit; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.041	0.058	0.091	0.024	0.0029
Total		0.041	0.058	0.091	0.024	0.0029

District level Residue-wise Data for Serchhip; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.020	0.030	0.049	0.013	0.0016
Total		0.020	0.030	0.049	0.013	0.0016

District Level Taluk Wise Data

DistrictLevel Taluk-wise Data for Aizwal ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Thingsulthliah	0.030	0.060	0.14	0.039	0.0048
Aibawk	0.0046	0.0056	0.0066	0.0016	0.00019
Darlawn	0.028	0.028	0.014	0.0014	0.00018
Total	0.063	0.094	0.16	0.042	0.0052

DistrictLevel Taluk-wise Data for Champai ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ngopa	0.058	0.088	0.15	0.041	0.0050
Khawzawl	0.0035	0.0035	0.0017	0.00017	2.27E-05
Khawbung	1.90E-05	3.80E-05	8.74E-05	2.49E-05	3.06E-06
Total	0.062	0.092	0.15	0.041	0.0050

DistrictLevel Taluk-wise Data for Kolasib ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
North Thingdawl	2.2	1.5	3.3	0.85	0.11
Total	2.2	1.5	3.3	0.85	0.11

DistrictLevel Taluk-wise Data for Mamit ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Reiek	0.017	0.034	0.078	0.022	0.0027
Zawlnuam	0.024	0.024	0.012	0.0012	0.00016
Total	0.041	0.058	0.091	0.024	0.0029

DistrictLevel Taluk-wise Data for Serchhip ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
East Lungdar-B	0.020	0.030	0.049	0.013	0.0016
Total	0.020	0.030	0.049	0.013	0.0016

Taluk Level Residue Wise Data

Taluk level Residue-wise Data for Aibawk ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0046	0.0056	0.0066	0.0016	0.00019
Total		0.0046	0.0056	0.0066	0.0016	0.00019

Taluk level Residue-wise Data for Darlawn ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.028	0.028	0.014	0.0014	0.00018
Total		0.028	0.028	0.014	0.0014	0.00018

Taluk level Residue-wise Data for Thingsulthiah ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.030	0.060	0.14	0.039	0.0048
Total		0.030	0.060	0.14	0.039	0.0048

Taluk level Residue-wise Data for Khawbung ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.90E-05	3.80E-05	8.74E-05	2.49E-05	3.06E-06
Total		1.90E-05	3.80E-05	8.74E-05	2.49E-05	3.06E-06

Taluk level Residue-wise Data for Khawzawl ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0035	0.0035	0.0017	0.00017	2.27E-05
Total		0.0035	0.0035	0.0017	0.00017	2.27E-05

Taluk level Residue-wise Data for Ngopa ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.058	0.088	0.15	0.041	0.0050
Total		0.058	0.088	0.15	0.041	0.0050

Taluk level Residue-wise Data for North Thingawl ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Husk	2.0	1.2	0.61	0.58	0.070
Others	Others	0.20	0.29	2.7	0.27	0.036
Total		2.2	1.5	3.3	0.85	0.11

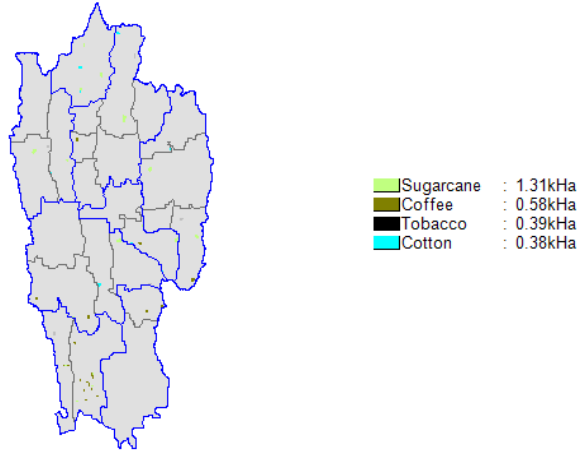
Taluk level Residue-wise Data for Reiek ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.017	0.034	0.078	0.022	0.0027
Total		0.017	0.034	0.078	0.022	0.0027

Taluk level Residue-wise Data for Zawlnuam ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.024	0.024	0.012	0.0012	0.00016
Total		0.024	0.024	0.012	0.0012	0.00016

Taluk level Residue-wise Data for East Lungdar-B ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.020	0.030	0.049	0.013	0.0016
Total		0.020	0.030	0.049	0.013	0.0016

Yearly

Mizoram-Yearly



State Level Residue Wise Data

State level Residue-wise Data for Mizoram; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coffee	Pruning & Wastes	0.59	0.012	2.4	1.9	0.26
Others	Others	2.1	8.9	3.4	0.34	0.047
Total		2.7	8.9	5.8	2.2	0.31

State Level District Wise Data

State level District-wise Data for Mizoram ; Season : Yearly					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Lunglei	0.55	0.50	1.3	0.54	0.076
Champai	0.53	1.8	1.1	0.47	0.065
Aizwal	0.52	1.9	1.0	0.38	0.053

District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Saiha	0.14	0.055	0.40	0.28	0.039
Lawngtlai	0.14	0.087	0.38	0.27	0.038
Serchhip	0.19	0.66	0.33	0.16	0.022
Kolasib	0.30	2.5	0.84	0.084	0.012
Mamit	0.31	1.4	0.42	0.042	0.0058
Total	2.7	8.9	5.8	2.2	0.31

State Level Taluk Wise Data

State level Taluk-wise Data for Mizoram ; Season : Yearly						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Lunglei	Lungsen	0.16	0.023	0.63	0.48	0.067
Champai	Khawbung	0.30	0.68	0.60	0.42	0.059
Aizwal	Tlangnuam-B	0.100	0.0020	0.40	0.32	0.045
Saiha	Sangau	0.13	0.050	0.39	0.28	0.039
Lawngtlai	Lawngtlai	0.088	0.032	0.33	0.26	0.037
Serchhip	East Lungdar-B	0.16	0.61	0.31	0.15	0.022
Kolasib	North Thingdawl	0.30	2.5	0.84	0.084	0.012
Aizwal	Darlawn	0.38	1.6	0.59	0.059	0.0082
Lunglei	Lunglei	0.12	0.12	0.57	0.057	0.0080
Champai	Ngopa	0.068	0.13	0.43	0.043	0.0061
Mamit	Reiek	0.079	0.28	0.31	0.031	0.0044
Mamit	West Phaileng	0.23	1.1	0.100	0.0100	0.0014
Lunglei	Hnahthial	0.27	0.36	0.090	0.0090	0.0012
Champai	Khawzawl	0.17	0.97	0.048	0.0048	0.00068
Lawngtlai	Chawngte	0.049	0.055	0.048	0.0048	0.00062
Serchhip	Serchhip	0.027	0.051	0.023	0.0023	0.00030
Aizwal	Aibawk	0.037	0.21	0.018	0.0018	0.00025
Saiha	Tuipang	0.0056	0.0052	0.0068	0.0018	0.00025
Mamit	Zawlnuam	0.0063	0.036	0.0018	0.00018	2.53E-05
Aizwal	Thingsulthliah	0.0018	0.0018	0.0018	0.00018	2.33E-05
Total		2.7	8.9	5.8	2.2	0.31

District Level Residue Wise Data

District level Residue-wise Data for Aizwal; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.52	1.9	1.0	0.38	0.053
Total		0.52	1.9	1.0	0.38	0.053

District level Residue-wise Data for Champai; 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	0.51	0.41	0.057
Others	Others	0.40	1.8	0.57	0.057	0.0080
Total		0.53	1.8	1.1	0.47	0.065

District level Residue-wise Data for Kolasib; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.30	2.5	0.84	0.084	0.012
Total		0.30	2.5	0.84	0.084	0.012

District level Residue-wise Data for Lawngtlai; 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	0.087	0.38	0.27	0.038
Total		0.14	0.087	0.38	0.27	0.038

District level Residue-wise Data for Lunglei; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coffee	Pruning & Wastes	0.15	0.0030	0.59	0.47	0.066
Others	Others	0.40	0.50	0.71	0.071	0.0098
Total		0.55	0.50	1.3	0.54	0.076

District level Residue-wise Data for Mamit; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.31	1.4	0.42	0.042	0.0058
Total		0.31	1.4	0.42	0.042	0.0058

District level Residue-wise Data for Saiha; 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	0.055	0.40	0.28	0.039
Total		0.14	0.055	0.40	0.28	0.039

District level Residue-wise Data for Serchhip; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.19	0.66	0.33	0.16	0.022
Total		0.19	0.66	0.33	0.16	0.022

District Level Taluk Wise Data

DistrictLevel Taluk-wise Data for Aizwal ; Season : Yearly						
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	
Tlangnuam-B	0.100	0.0020	0.40	0.32	0.045	
Darlawn	0.38	1.6	0.59	0.059	0.0082	

Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Aibawk	0.037	0.21	0.018	0.0018	0.00025
Thingsulthliah	0.0018	0.0018	0.0018	0.00018	2.33E-05
Total	0.52	1.9	1.0	0.38	0.053

DistrictLevel Taluk-wise Data for Champai ; Season : Yearly

Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Khawbung	0.30	0.68	0.60	0.42	0.059
Ngopa	0.068	0.13	0.43	0.043	0.0061
Khawzawl	0.17	0.97	0.048	0.0048	0.00068
Total	0.53	1.8	1.1	0.47	0.065

DistrictLevel Taluk-wise Data for Kolasib ; Season : Yearly

Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
North Thingdawl	0.30	2.5	0.84	0.084	0.012
Total	0.30	2.5	0.84	0.084	0.012

DistrictLevel Taluk-wise Data for Lawngtlai ; Season : Yearly

Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Lawngtlai	0.088	0.032	0.33	0.26	0.037
Chawngte	0.049	0.055	0.048	0.0048	0.00062
Total	0.14	0.087	0.38	0.27	0.038

DistrictLevel Taluk-wise Data for Lunglei ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Lungsen	0.16	0.023	0.63	0.48	0.067
Lunglei	0.12	0.12	0.57	0.057	0.0080
Hnahthial	0.27	0.36	0.090	0.0090	0.0012
Total	0.55	0.50	1.3	0.54	0.076

DistrictLevel Taluk-wise Data for Mamit ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Reiek	0.079	0.28	0.31	0.031	0.0044
West Phaileng	0.23	1.1	0.100	0.0100	0.0014
Zawlnuam	0.0063	0.036	0.0018	0.00018	2.53E-05
Total	0.31	1.4	0.42	0.042	0.0058

DistrictLevel Taluk-wise Data for Saiha ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sangau	0.13	0.050	0.39	0.28	0.039
Tuipang	0.0056	0.0052	0.0068	0.0018	0.00025
Total	0.14	0.055	0.40	0.28	0.039

DistrictLevel Taluk-wise Data for Serchhip ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
East Lungdar-B	0.16	0.61	0.31	0.15	0.022
Serchhip	0.027	0.051	0.023	0.0023	0.00030
Total	0.19	0.66	0.33	0.16	0.022

Taluk Level Residue Wise Data

Taluk level Residue-wise Data for Aibawk ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.037	0.21	0.018	0.0018	0.00025
Total		0.037	0.21	0.018	0.0018	0.00025

Taluk level Residue-wise Data for Darlawn ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.38	1.6	0.59	0.059	0.0082
Total		0.38	1.6	0.59	0.059	0.0082

Taluk level Residue-wise Data for Thingsulthliah ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0018	0.0018	0.0018	0.00018	2.33E-05
Total		0.0018	0.0018	0.0018	0.00018	2.33E-05

Taluk level Residue-wise Data for Tlangnuam-B ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.100	0.0020	0.40	0.32	0.045
Total		0.100	0.0020	0.40	0.32	0.045

Taluk level Residue-wise Data for Khawbung ; 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	0.51	0.41	0.057
Others	Others	0.17	0.68	0.093	0.0093	0.0012
Total		0.30	0.68	0.60	0.42	0.059

Taluk level Residue-wise Data for Khawzawl ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.17	0.97	0.048	0.0048	0.00068
Total		0.17	0.97	0.048	0.0048	0.00068

Taluk level Residue-wise Data for Ngopa ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.068	0.13	0.43	0.043	0.0061
Total		0.068	0.13	0.43	0.043	0.0061

Taluk level Residue-wise Data for North Thingdawl ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.30	2.5	0.84	0.084	0.012
Total		0.30	2.5	0.84	0.084	0.012

Taluk level Residue-wise Data for Chawngte ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.049	0.055	0.048	0.0048	0.00062
Total		0.049	0.055	0.048	0.0048	0.00062

Taluk level Residue-wise Data for Lawngtlai ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.088	0.032	0.33	0.26	0.037
Total		0.088	0.032	0.33	0.26	0.037

Taluk level Residue-wise Data for Hnahthial ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.27	0.36	0.090	0.0090	0.0012
Total		0.27	0.36	0.090	0.0090	0.0012

Taluk level Residue-wise Data for Lunglei ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.12	0.12	0.57	0.057	0.0080
Total		0.12	0.12	0.57	0.057	0.0080

Taluk level Residue-wise Data for Lungsen ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Coffee	Pruning & Wastes	0.15	0.0030	0.59	0.47	0.066
Others	Others	0.015	0.020	0.043	0.0043	0.00060
Total		0.16	0.023	0.63	0.48	0.067

Taluk level Residue-wise Data for Reiek ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.079	0.28	0.31	0.031	0.0044
Total		0.079	0.28	0.31	0.031	0.0044

Taluk level Residue-wise Data for West Phaileng ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.23	1.1	0.100	0.0100	0.0014
Total		0.23	1.1	0.100	0.0100	0.0014

Taluk level Residue-wise Data for Zawlnuam ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0063	0.036	0.0018	0.00018	2.53E-05
Total		0.0063	0.036	0.0018	0.00018	2.53E-05

Taluk level Residue-wise Data for Sangau ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.13	0.050	0.39	0.28	0.039
Total		0.13	0.050	0.39	0.28	0.039

Taluk level Residue-wise Data for Tuipang ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.0056	0.0052	0.0068	0.0018	0.00025
Total		0.0056	0.0052	0.0068	0.0018	0.00025

Taluk level Residue-wise Data for East Lungdar-B ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.16	0.61	0.31	0.15	0.022
Total		0.16	0.61	0.31	0.15	0.022

Taluk level Residue-wise Data for Serchhip ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.027	0.051	0.023	0.0023	0.00030
Total		0.027	0.051	0.023	0.0023	0.00030

Agro

State Level Residue Wise Data

State level Residue-wise Data for Mizoram; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	8.7	16.7	33.3	3.3	0.43
Coffee	Pruning & Wastes	0.59	0.012	2.4	1.9	0.26
Til	Stalks	4.0	4.1	10.3	1.0	0.13
Others	Others	3.4	10.8	9.3	0.93	0.12
Maize	Cobs	8.7	16.7	8.3	0.83	0.12
Mustard	Husk	2.3	1.6	0.82	0.78	0.094
Total		19.0	33.3	64.4	8.8	1.2

State Level District Wise Data

State level District-wise Data for Mizoram ; Biomass Class : Agro						
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	
Kolasib	6.8	10.1	18.9	2.4	0.31	
Lunglei	2.6	3.7	8.9	1.3	0.18	
Champai	2.3	4.5	7.7	1.2	0.16	
Aizwal	2.4	4.7	7.9	1.1	0.15	
Saiha	1.3	2.6	6.6	0.92	0.12	
Lawngtlai	1.1	2.3	5.9	0.82	0.11	
Mamit	1.7	3.5	5.6	0.58	0.077	
Serchhip	0.88	1.7	2.9	0.43	0.057	
Total		19.0	33.3	64.4	8.8	1.2

State Level Taluk Wise Data

State level Taluk-wise Data for Mizoram ; Biomass Class : Agro						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kolasib	North Thingdawl	6.8	10.1	18.9	2.4	0.31
Saiha	Sangau	1.1	2.4	6.3	0.87	0.12
Lawngtlai	Lawngtlai	0.96	2.1	5.5	0.78	0.11
Aizwal	Tlangnuam-B	1.1	1.5	4.2	0.70	0.095
Champai	Khawbung	0.77	1.3	2.0	0.56	0.076
Lunglei	Lungsen	0.38	0.19	0.85	0.50	0.070
Mamit	Reiek	1.2	2.1	4.8	0.50	0.066
Champai	Khawzawl	1.3	2.9	4.9	0.49	0.064
Lunglei	Lunglei	1.2	1.6	4.3	0.43	0.057
Serchhip	East Lungdar-B	0.85	1.7	2.9	0.42	0.057
Lunglei	Hnahthial	1.0	1.9	3.8	0.42	0.054
Aizwal	Tlangnuam-A	0.49	0.80	2.0	0.20	0.026
Champai	Ngopa	0.20	0.33	0.85	0.12	0.016
Aizwal	Darlawn	0.51	1.8	0.94	0.11	0.014
Aizwal	Thingsulthliah	0.19	0.32	0.57	0.084	0.011
Mamit	Zawlnuam	0.27	0.34	0.71	0.071	0.0093
Saiha	Tuipang	0.20	0.16	0.34	0.056	0.0071
Lawngtlai	Chawngte	0.097	0.17	0.35	0.035	0.0046
Aizwal	Phullen	0.048	0.057	0.14	0.014	0.0019
Mamit	West Phaileng	0.23	1.1	0.100	0.0100	0.0014
Aizwal	Aibawk	0.043	0.22	0.027	0.0040	0.00053
Serchhip	Serchhip	0.032	0.057	0.038	0.0038	0.00050
Total		19.0	33.3	64.4	8.8	1.2

District Level Residue Wise Data

District level Residue-wise Data for Aizwal; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.1	2.7	3.8	0.70	0.095
Maize	Stalks	1.2	2.1	4.1	0.41	0.054
Total		2.4	4.7	7.9	1.1	0.15

District level Residue-wise Data for Champai; 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	0.51	0.41	0.057
Maize	Stalks	1.2	2.0	4.0	0.40	0.051
Others	Others	0.99	2.5	3.2	0.36	0.048
Total		2.3	4.5	7.7	1.2	0.16

District level Residue-wise Data for Kolasib; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	2.0	3.3	6.6	0.66	0.086
Til	Stalks	2.0	2.4	6.1	0.61	0.079
Others	Others	0.69	3.1	5.6	0.56	0.075
Mustard	Husk	2.0	1.2	0.61	0.58	0.070
Total		6.8	10.1	18.9	2.4	0.31

District level Residue-wise Data for Lawngtlai; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	0.87	2.2	4.4	0.44	0.057
Others	Others	0.18	0.11	1.5	0.38	0.054
Total		1.1	2.3	5.9	0.82	0.11

District level Residue-wise Data for Lunglei; 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	0.15	0.0030	0.59	0.47	0.066
Maize	Stalks	1.0	2.4	4.9	0.49	0.063
Others	Others	1.5	1.3	3.5	0.39	0.052
Total		2.6	3.7	8.9	1.3	0.18

District level Residue-wise Data for Mamit; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.7	3.5	5.6	0.58	0.077
Total		1.7	3.5	5.6	0.58	0.077

District level Residue-wise Data for Saiha; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.33	0.21	1.9	0.45	0.062
Maize	Stalks	0.95	2.4	4.7	0.47	0.061
Total		1.3	2.6	6.6	0.92	0.12

District level Residue-wise Data for Serchhip; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.88	1.7	2.9	0.43	0.057
Total		0.88	1.7	2.9	0.43	0.057

District Level Taluk Wise Data

DistrictLevel Taluk-wise Data for Aizwal ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Tlangnuam-B	1.1	1.5	4.2	0.70	0.095
Tlangnuam-A	0.49	0.80	2.0	0.20	0.026
Darlawn	0.51	1.8	0.94	0.11	0.014
Thingsulthiah	0.19	0.32	0.57	0.084	0.011
Phullen	0.048	0.057	0.14	0.014	0.0019
Aibawk	0.043	0.22	0.027	0.0040	0.00053
Total	2.4	4.7	7.9	1.1	0.15

DistrictLevel Taluk-wise Data for Champai ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Khawbung	0.77	1.3	2.0	0.56	0.076
Khawzawl	1.3	2.9	4.9	0.49	0.064
Ngopa	0.20	0.33	0.85	0.12	0.016
Total	2.3	4.5	7.7	1.2	0.16

DistrictLevel Taluk-wise Data for Kolasib ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
North Thingdawl	6.8	10.1	18.9	2.4	0.31
Total	6.8	10.1	18.9	2.4	0.31

DistrictLevel Taluk-wise Data for Lawngtlai ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Lawngtlai	0.96	2.1	5.5	0.78	0.11
Chawngte	0.097	0.17	0.35	0.035	0.0046
Total	1.1	2.3	5.9	0.82	0.11

DistrictLevel Taluk-wise Data for Lunglei ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Lungsen	0.38	0.19	0.85	0.50	0.070
Lunglei	1.2	1.6	4.3	0.43	0.057
Hnahthial	1.0	1.9	3.8	0.42	0.054
Total	2.6	3.7	8.9	1.3	0.18

DistrictLevel Taluk-wise Data for Mamit ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Reiek	1.2	2.1	4.8	0.50	0.066
Zawlnuam	0.27	0.34	0.71	0.071	0.0093
West Phaileng	0.23	1.1	0.100	0.0100	0.0014
Total	1.7	3.5	5.6	0.58	0.077

DistrictLevel Taluk-wise Data for Saiha ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sangau	1.1	2.4	6.3	0.87	0.12
Tuipang	0.20	0.16	0.34	0.056	0.0071
Total	1.3	2.6	6.6	0.92	0.12

DistrictLevel Taluk-wise Data for Serchhip ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
East Lungdar-B	0.85	1.7	2.9	0.42	0.057
Serchhip	0.032	0.057	0.038	0.0038	0.00050
Total	0.88	1.7	2.9	0.43	0.057

Taluk Level Residue Wise Data

Taluk level Residue-wise Data for Aibawk ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.043	0.22	0.027	0.0040	0.00053
Total		0.043	0.22	0.027	0.0040	0.00053

Taluk level Residue-wise Data for Darlawn ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.51	1.8	0.94	0.11	0.014
Total		0.51	1.8	0.94	0.11	0.014

Taluk level Residue-wise Data for Phullen ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.048	0.057	0.14	0.014	0.0019
Total		0.048	0.057	0.14	0.014	0.0019

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

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.19	0.32	0.57	0.084	0.011
Total		0.19	0.32	0.57	0.084	0.011

**Taluk level Residue-wise Data for Tlangnuam-A ; Biomass Class
: Agro**

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.49	0.80	2.0	0.20	0.026
Total		0.49	0.80	2.0	0.20	0.026

**Taluk level Residue-wise Data for Tlangnuam-B ; Biomass Class
: Agro**

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.1	1.5	4.2	0.70	0.095
Total		1.1	1.5	4.2	0.70	0.095

Taluk level Residue-wise Data for Khawbung ; 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	0.51	0.41	0.057
Others	Others	0.64	1.3	1.5	0.15	0.019
Total		0.77	1.3	2.0	0.56	0.076

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

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.3	2.9	4.9	0.49	0.064

Total	1.3	2.9	4.9	0.49	0.064
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Taluk level Residue-wise Data for Ngopa ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.20	0.33	0.85	0.12	0.016
Total		0.20	0.33	0.85	0.12	0.016

Taluk level Residue-wise Data for North Thingdawl ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	2.0	3.3	6.6	0.66	0.086
Til	Stalks	2.0	2.4	6.1	0.61	0.079
Others	Others	0.69	3.1	5.6	0.56	0.075
Mustard	Husk	2.0	1.2	0.61	0.58	0.070
Total		6.8	10.1	18.9	2.4	0.31

Taluk level Residue-wise Data for Chawnkte ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.097	0.17	0.35	0.035	0.0046
Total		0.097	0.17	0.35	0.035	0.0046

Taluk level Residue-wise Data for Lawngtlai ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	0.82	2.1	4.1	0.41	0.054
Others	Others	0.13	0.055	1.4	0.37	0.052
Total		0.96	2.1	5.5	0.78	0.11

Taluk level Residue-wise Data for Hnahthial ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.0	1.9	3.8	0.42	0.054
Total		1.0	1.9	3.8	0.42	0.054

Taluk level Residue-wise Data for Lunglei ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.2	1.6	4.3	0.43	0.057
Total		1.2	1.6	4.3	0.43	0.057

Taluk level Residue-wise Data for Lungsen ; 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	0.15	0.0030	0.59	0.47	0.066
Others	Others	0.24	0.19	0.26	0.030	0.0039
Total		0.38	0.19	0.85	0.50	0.070

Taluk level Residue-wise Data for Reiek ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	1.2	2.1	4.8	0.50	0.066
Total		1.2	2.1	4.8	0.50	0.066

Taluk level Residue-wise Data for West Phaileng ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.23	1.1	0.100	0.0100	0.0014
Total		0.23	1.1	0.100	0.0100	0.0014

Taluk level Residue-wise Data for Zawlnuam ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.27	0.34	0.71	0.071	0.0093
Total		0.27	0.34	0.71	0.071	0.0093

Taluk level Residue-wise Data for Sangau ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maize	Stalks	0.95	2.4	4.7	0.47	0.061
Others	Others	0.13	0.050	1.6	0.39	0.055
Total		1.1	2.4	6.3	0.87	0.12

Taluk level Residue-wise Data for Tuipang ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.20	0.16	0.34	0.056	0.0071
Total		0.20	0.16	0.34	0.056	0.0071

Taluk level Residue-wise Data for East Lungdar-B ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.85	1.7	2.9	0.42	0.057
Total		0.85	1.7	2.9	0.42	0.057

Taluk level Residue-wise Data for Serchhip ; 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	0.057	0.038	0.0038	0.00050
Total		0.032	0.057	0.038	0.0038	0.00050

Note:

Others' contributes to collection of crops whose Power Potential is less than 0.05MWyre. 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.