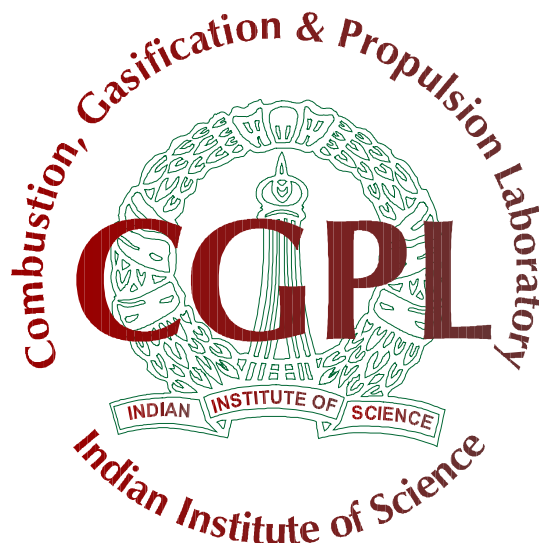


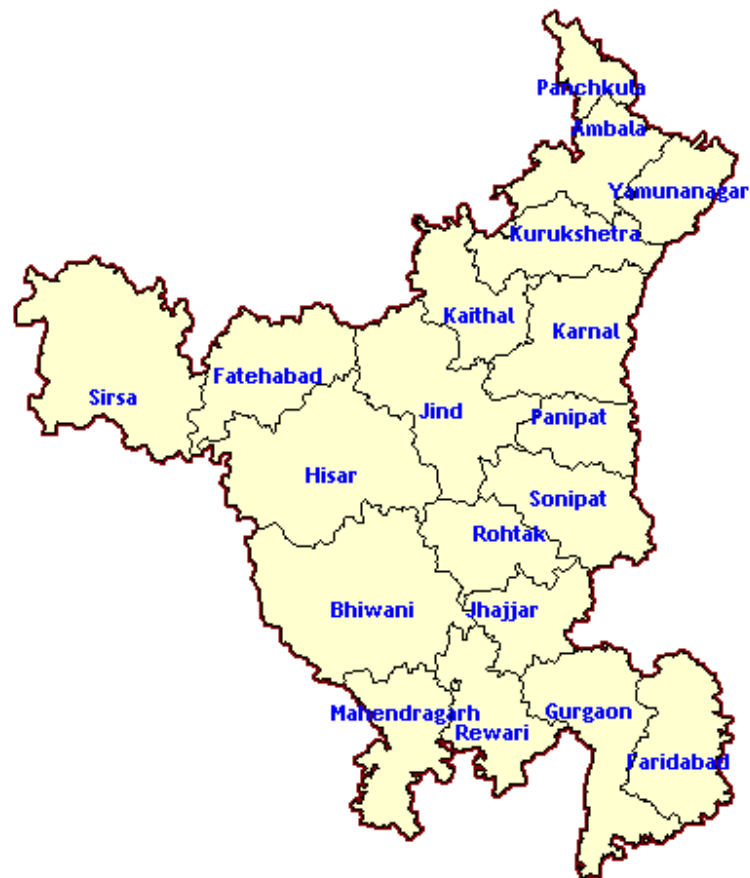
Biomass Mapping for Power Generation for Haryana

Biomass Manual



Combustion, Gasification & Propulsion Laboratory (CGPL)
Department of Aerospace Engineering
Indian Institute of Science
Bangalore 560 012

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



Biomass Assessment for Haryana

1. Kharif

a. State-level Residue-wise-----	01
b. State-level District-wise-----	02
c. State-level Taluk-wise-----	03
d. District-level Residue-wise-----	04
e. District-level-Taluk-wise-----	10
f. Taluk-level Residue-wise-----	14

2. Rabi

a. State-level Residue-wise-----	29
b. State-level District-wise-----	30
c. State-level Taluk-wise-----	31
d. District-level Residue-wise-----	32
e. District-level-Taluk-wise-----	38
f. Taluk-level Residue-wise-----	43

3. Yearly

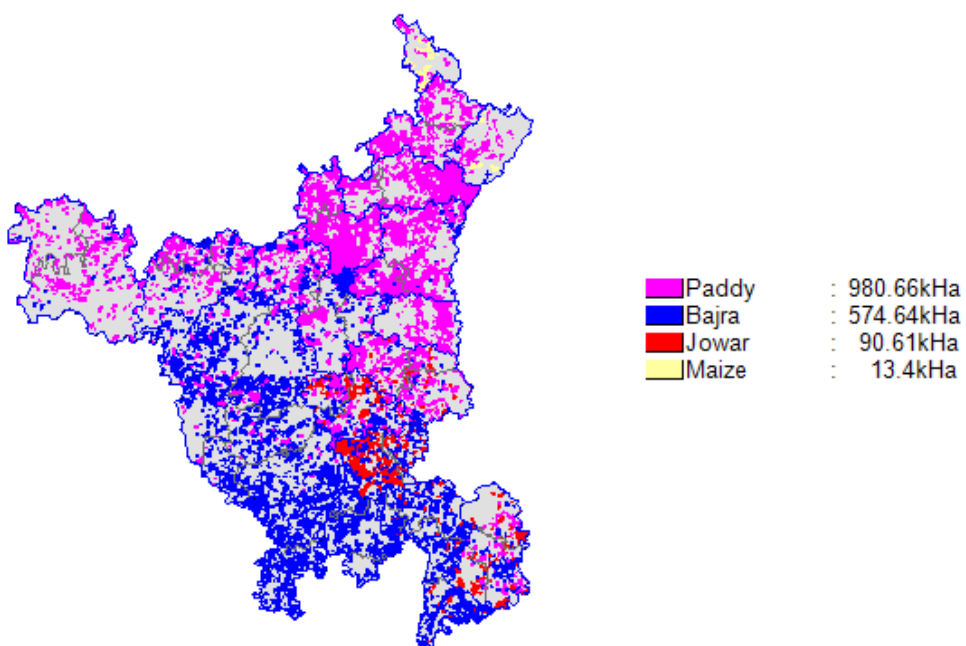
a. State-level Residue-wise-----	56
b. State-level District-wise-----	57
c. State-level Taluk-wise-----	58
d. District-level Residue-wise-----	59
e. District-level-Taluk-wise-----	63
f. Taluk-level Residue-wise-----	68

4. Agro

a. State-level Residue-wise-----	77
b. State-level District-wise-----	78
c. State-level Taluk-wise-----	79
d. District-level Residue-wise-----	80
e. District-level-Taluk-wise-----	90
f. Taluk-level Residue-wise-----	95

Kharif

Haryana-Kharif



State Level Residue Wise

State level Residue-wise Data for Haryana; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	980.7	2538.8	3807.5	3046.0	365.5
Paddy	Husk	980.7	2538.8	507.7	406.1	44.7
Bajra	Stalks	574.6	622.3	1242.4	248.5	32.3
Bajra	Cobs	574.6	622.3	205.0	102.5	13.3
Bajra	Husk	574.6	622.3	186.4	46.6	5.6
Maize	Cobs	13.4	30.2	15.1	7.6	1.1
Maize	Stalks	13.4	30.2	60.5	6.1	0.79
Jowar	Stalks	90.6	20.2	34.4	3.4	0.45
Jowar	Cobs	90.6	20.2	10.1	2.0	0.28
Jowar	Husk	90.6	20.2	4.0	2.0	0.24
Total		1659.3	3211.5	6073.0	3870.8	464.2

State Level District Wise

State level District-wise Data for Haryana ; Season : Kharif					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Karnal	163.5	454.4	775.4	615.8	73.2
Kurukshetra	108.0	344.4	586.1	468.9	55.7
Kaithal	132.2	314.5	534.9	427.8	50.8
Jind	153.5	289.1	551.8	346.2	41.5
Ambala	76.4	227.3	394.4	299.7	35.7
Fatehabad	71.9	214.0	376.6	280.6	33.4
Panipat	77.4	187.4	318.0	254.4	30.2
Yamunanagar	59.5	171.3	296.0	229.0	27.2
Sonapat	98.9	156.1	278.0	200.1	23.9
Sirsa	43.0	114.7	197.8	153.8	18.3
Bhiwani	209.0	176.8	445.0	127.4	16.1
Faridabad	62.1	102.4	194.0	122.3	14.7
Hisar	72.3	101.0	240.7	83.4	10.4
Rohtak	65.6	66.1	138.9	66.8	8.1
Mahendragarh	84.1	94.1	246.9	60.1	7.7
Gurgaon	70.8	80.7	211.3	51.2	6.6
Rewari	48.5	52.4	138.4	33.7	4.3
Panchkula	13.6	34.2	71.0	32.0	3.9
Jhajjar	49.1	30.4	77.9	17.6	2.3
Total	1659.3	3211.5	6073.0	3870.8	464.2

State Level Taluk Wise

State level Taluk-wise Data for Haryana ; Season : Kharif						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Karnal	Karnal	121.3	336.8	574.9	456.2	54.2
Kaithal	Kaithal	108.3	257.6	438.2	350.5	41.7
Kurukshetra	Thanesar	73.0	232.9	396.3	317.0	37.7
Jind	Narwana	117.1	225.6	410.5	285.7	34.1
Panipat	Panipat	77.4	187.4	318.0	254.4	30.2
Yamunanagar	Jagadiri	59.5	171.3	296.0	229.0	27.2
Ambala	Ambala	45.1	135.8	231.8	183.3	21.8
Fatehabad	Ratia	40.4	122.5	213.9	161.9	19.3
Karnal	Asandh	42.2	117.6	200.5	159.6	19.0
Kurukshetra	Pehowa	35.0	111.6	189.8	151.9	18.0
Sonipat	Gohana	54.1	95.2	163.8	127.2	15.1
Ambala	Narayangarh	31.3	91.5	162.6	116.4	13.9
Sirsa	Sirsa	28.0	74.1	128.2	99.1	11.8
Faridabad	Palwal	36.5	66.2	128.5	77.1	9.3
Kaithal	Gulha	23.9	56.8	96.7	77.3	9.2
Hisar	Hisar	58.0	80.7	193.0	66.1	8.2
Fatehabad	Tohana	18.4	53.3	94.8	69.0	8.2
Sirsa	Dabwali	14.9	40.6	69.5	54.8	6.5
Fatehabad	Fatehabad	13.1	38.3	67.9	49.7	5.9
Jind	Jind	24.5	43.8	92.5	45.4	5.5
Rohtak	Rohtak	39.3	41.9	90.2	40.9	5.0
Sonipat	Sonipat	29.4	34.4	68.5	37.8	4.6
Faridabad	Ballabgarh	19.4	29.5	52.5	37.5	4.5
Sonipat	Ganaur	15.4	26.4	45.8	35.1	4.2
Mahendragarh	Mahendragarh	44.9	50.3	131.8	32.1	4.1
Bhiwani	Dadri	58.4	47.0	121.3	31.5	4.0
Panchkula	Kalka	13.6	34.2	71.0	32.0	3.9
Bhiwani	Bhiwani	41.9	38.7	93.4	31.1	3.9
Bhiwani	Bawani Khera	49.1	42.0	105.1	30.6	3.9
Mahendragarh	Narnaul	39.2	43.9	115.1	28.0	3.6
Rohtak	Maham	26.3	24.2	48.7	25.9	3.1
Bhiwani	Loharu	46.7	36.7	95.8	23.7	3.0
Rewari	Rewari	25.9	27.9	73.8	18.0	2.3
Gurgaon	Firozpur Jhirka	23.1	26.7	70.0	17.0	2.2

District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Hisar	Hansi	14.3	20.3	47.7	17.3	2.1
Gurgaon	Gurgaon	23.0	25.3	66.0	16.0	2.1
Jind	Safidon	12.0	19.8	48.7	15.1	1.9
Rewari	Kosli	19.1	20.6	54.4	13.2	1.7
Gurgaon	Nuh	17.9	20.8	54.4	13.2	1.7
Jhajjar	Jhajjar	34.7	19.7	50.3	11.1	1.4
Bhiwani	Siwani	12.9	12.4	29.4	10.5	1.3
Faridabad	Hathin	6.2	6.7	12.9	7.7	0.93
Jhajjar	Bahadurgarh	14.4	10.7	27.6	6.5	0.84
Gurgaon	Pataudi	6.8	8.0	20.9	5.1	0.65
Rewari	Bawal	3.6	3.9	10.2	2.5	0.32
Total		1659.3	3211.5	6073.0	3870.8	464.2

District Level Residue Wise

District level Residue-wise Data for Ambala; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	71.9	217.2	325.5	260.4	31.3
Paddy	Husk	71.9	217.2	43.4	34.7	3.8
Maize	Cobs	4.5	10.2	5.1	2.5	0.36
Maize	Stalks	4.5	10.2	20.4	2.0	0.26
Total		76.4	227.3	394.4	299.7	35.7

District level Residue-wise Data for Bhiwani; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	200.8	156.6	312.3	62.5	8.1
Bajra	Cobs	200.8	156.6	51.5	25.8	3.3
Paddy	Straw	8.2	20.2	30.3	24.2	2.9
Bajra	Husk	200.8	156.6	46.8	11.7	1.4
Paddy	Husk	8.2	20.2	4.0	3.2	0.36
Total		209.0	176.8	445.0	127.4	16.1

District level Residue-wise Data for Faridabad; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	28.9	80.1	120.1	96.0	11.5
Paddy	Husk	28.9	80.1	16.0	12.8	1.4
Bajra	Stalks	14.4	19.3	38.5	7.7	1.0
Bajra	Cobs	14.4	19.3	6.3	3.2	0.41
Bajra	Husk	14.4	19.3	5.8	1.4	0.17
Others	Others	0	0	2.1	0.61	0.079
Jowar	Stalks	18.8	3.0	5.2	0.52	0.068
Total		62.1	102.4	194.0	122.3	14.7

District level Residue-wise Data for Fatehabad; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	61.5	199.9	299.5	239.6	28.8
Paddy	Husk	61.5	199.9	39.9	31.9	3.5
Bajra	Stalks	10.4	14.1	28.2	5.6	0.73
Bajra	Cobs	10.4	14.1	4.7	2.3	0.30
Bajra	Husk	10.4	14.1	4.2	1.1	0.13
Total		71.9	214.0	376.6	280.6	33.4

District level Residue-wise Data for Gurgaon; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	65.9	79.7	158.8	31.8	4.1
Bajra	Cobs	65.9	79.7	26.2	13.1	1.7
Bajra	Husk	65.9	79.7	23.8	6.0	0.71
Others	Others	5.0	1.0	2.5	0.38	0.049
Total		70.8	80.7	211.3	51.2	6.6

District level Residue-wise Data for Hisar; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	58.5	74.8	149.2	29.8	3.9
Paddy	Straw	13.9	26.2	39.3	31.5	3.8
Bajra	Cobs	58.5	74.8	24.6	12.3	1.6
Bajra	Husk	58.5	74.8	22.4	5.6	0.67
Paddy	Husk	13.9	26.2	5.2	4.2	0.46
Total		72.3	101.0	240.7	83.4	10.4

District level Residue-wise Data for Jhajjar; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	20.2	22.0	44.0	8.8	1.1
Bajra	Cobs	20.2	22.0	7.3	3.6	0.47
Bajra	Husk	20.2	22.0	6.6	1.7	0.20
Jowar	Stalks	28.7	8.0	13.7	1.4	0.18
Jowar	Cobs	28.7	8.0	4.0	0.81	0.11
Jowar	Husk	28.7	8.0	1.6	0.81	0.097
Paddy	Straw	0.25	0.38	0.56	0.45	0.054
Others	Others	0	0	0.075	0.060	0.0066
Total		49.1	30.4	77.9	17.6	2.3

District level Residue-wise Data for Jind; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	112.6	224.0	335.8	268.7	32.2
Paddy	Husk	112.6	224.0	44.8	35.8	3.9
Bajra	Stalks	41.0	65.2	130.2	26.0	3.4
Bajra	Cobs	41.0	65.2	21.5	10.7	1.4
Bajra	Husk	41.0	65.2	19.5	4.9	0.59
Total		153.5	289.1	551.8	346.2	41.5

District level Residue-wise Data for Kaithal; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	132.1	314.4	471.9	377.5	45.3
Paddy	Husk	132.1	314.4	62.9	50.3	5.5
Others	Others	0.058	0.054	0.14	0.034	0.0044
Total		132.2	314.5	534.9	427.8	50.8

District level Residue-wise Data for Karnal; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	160.6	451.3	677.0	541.6	65.0
Paddy	Husk	160.6	451.3	90.3	72.2	7.9
Bajra	Stalks	2.9	3.1	6.1	1.2	0.16
Bajra	Cobs	2.9	3.1	1.0	0.50	0.066
Others	Others	0	0	0.92	0.23	0.028
Total		163.5	454.4	775.4	615.8	73.2

District level Residue-wise Data for Kurukshetra; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	108.0	344.4	517.2	413.7	49.6
Paddy	Husk	108.0	344.4	69.0	55.2	6.1
Total		108.0	344.4	586.1	468.9	55.7

District level Residue-wise Data for Mahendragarh; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	84.1	94.1	187.7	37.5	4.9
Bajra	Cobs	84.1	94.1	31.0	15.5	2.0
Bajra	Husk	84.1	94.1	28.2	7.0	0.84
Total		84.1	94.1	246.9	60.1	7.7

District level Residue-wise Data for Panchkula; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	6.3	18.2	27.3	21.9	2.6
Maize	Cobs	7.3	16.0	8.0	4.0	0.56
Maize	Stalks	7.3	16.0	32.0	3.2	0.42
Paddy	Husk	6.3	18.2	3.6	2.9	0.32
Total		13.6	34.2	71.0	32.0	3.9

District level Residue-wise Data for Panipat; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	77.4	187.4	280.6	224.5	26.9
Paddy	Husk	77.4	187.4	37.4	29.9	3.3
Total		77.4	187.4	318.0	254.4	30.2

District level Residue-wise Data for Rewari; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	48.5	52.4	105.3	21.1	2.7
Bajra	Cobs	48.5	52.4	17.4	8.7	1.1
Bajra	Husk	48.5	52.4	15.8	3.9	0.47
Total		48.5	52.4	138.4	33.7	4.3

District level Residue-wise Data for Rohtak; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	23.9	36.1	54.0	43.2	5.2
Bajra	Stalks	16.1	24.9	49.8	10.0	1.3
Paddy	Husk	23.9	36.1	7.2	5.8	0.63
Bajra	Cobs	16.1	24.9	8.2	4.1	0.53
Bajra	Husk	16.1	24.9	7.5	1.9	0.22
Jowar	Stalks	25.7	5.1	8.6	0.86	0.11
Jowar	Cobs	25.7	5.1	2.5	0.51	0.071
Jowar	Husk	25.7	5.1	1.0	0.51	0.061
Total		65.6	66.1	138.9	66.8	8.1

District level Residue-wise Data for Sirsa; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	40.1	111.7	167.6	134.0	16.1
Paddy	Husk	40.1	111.7	22.3	17.9	2.0
Bajra	Stalks	2.9	3.0	6.0	1.2	0.16
Bajra	Cobs	2.9	3.0	0.99	0.50	0.064
Others	Others	0	0	0.90	0.23	0.027
Total		43.0	114.7	197.8	153.8	18.3

District level Residue-wise Data for Sonipat; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	78.8	141.0	211.0	168.8	20.3
Paddy	Husk	78.8	141.0	28.1	22.5	2.5
Bajra	Stalks	7.6	12.0	24.1	4.8	0.63
Bajra	Cobs	7.6	12.0	4.0	2.0	0.26
Bajra	Husk	7.6	12.0	3.6	0.90	0.11
Others	Others	0	0	2.1	0.61	0.079
Jowar	Stalks	12.5	3.0	5.2	0.52	0.067
Total		98.9	156.1	278.0	200.1	23.9

District level Residue-wise Data for Yamunanagar; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	56.4	166.2	249.8	199.8	24.0
Paddy	Husk	56.4	166.2	33.3	26.6	2.9
Maize	Cobs	1.6	4.1	2.0	1.0	0.14
Maize	Stalks	1.6	4.1	8.1	0.81	0.11
Bajra	Stalks	1.5	1.0	2.0	0.41	0.053
Others	Others	0	0	0.64	0.24	0.031
Total		59.5	171.3	296.0	229.0	27.2

District Level Taluk Wise

DistrictLevel Taluk-wise Data for Ambala ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ambala	45.1	135.8	231.8	183.3	21.8
Narayangarh	31.3	91.5	162.6	116.4	13.9
Total	76.4	227.3	394.4	299.7	35.7

DistrictLevel Taluk-wise Data for Bhiwani ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Dadri	58.4	47.0	121.3	31.5	4.0
Bhiwani	41.9	38.7	93.4	31.1	3.9
Bawani Khera	49.1	42.0	105.1	30.6	3.9
Loharu	46.7	36.7	95.8	23.7	3.0
Siwani	12.9	12.4	29.4	10.5	1.3
Total	209.0	176.8	445.0	127.4	16.1

DistrictLevel Taluk-wise Data for Faridabad ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Palwal	36.5	66.2	128.5	77.1	9.3
Ballabgarh	19.4	29.5	52.5	37.5	4.5
Hathin	6.2	6.7	12.9	7.7	0.93
Total	62.1	102.4	194.0	122.3	14.7

DistrictLevel Taluk-wise Data for Fatehabad ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ratia	40.4	122.5	213.9	161.9	19.3
Tohana	18.4	53.3	94.8	69.0	8.2
Fatehabad	13.1	38.3	67.9	49.7	5.9
Total	71.9	214.0	376.6	280.6	33.4

DistrictLevel Taluk-wise Data for Gurgaon ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Firozpur Jhirka	23.1	26.7	70.0	17.0	2.2
Gurgaon	23.0	25.3	66.0	16.0	2.1
Nuh	17.9	20.8	54.4	13.2	1.7
Pataudi	6.8	8.0	20.9	5.1	0.65
Total	70.8	80.7	211.3	51.2	6.6

DistrictLevel Taluk-wise Data for Hisar ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Hisar	58.0	80.7	193.0	66.1	8.2
Hansi	14.3	20.3	47.7	17.3	2.1
Total	72.3	101.0	240.7	83.4	10.4

DistrictLevel Taluk-wise Data for Jhajjar ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jhajjar	34.7	19.7	50.3	11.1	1.4
Bahadurgarh	14.4	10.7	27.6	6.5	0.84
Total	49.1	30.4	77.9	17.6	2.3

DistrictLevel Taluk-wise Data for Jind ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narwana	117.1	225.6	410.5	285.7	34.1
Jind	24.5	43.8	92.5	45.4	5.5
Safidon	12.0	19.8	48.7	15.1	1.9
Total	153.5	289.1	551.8	346.2	41.5

DistrictLevel Taluk-wise Data for Kaithal ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kaithal	108.3	257.6	438.2	350.5	41.7
Gulha	23.9	56.8	96.7	77.3	9.2
Total	132.2	314.5	534.9	427.8	50.8

DistrictLevel Taluk-wise Data for Karnal ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Karnal	121.3	336.8	574.9	456.2	54.2
Asandh	42.2	117.6	200.5	159.6	19.0
Total	163.5	454.4	775.4	615.8	73.2

DistrictLevel Taluk-wise Data for Kurukshetra ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Thanesar	73.0	232.9	396.3	317.0	37.7
Pehowa	35.0	111.6	189.8	151.9	18.0
Total	108.0	344.4	586.1	468.9	55.7

DistrictLevel Taluk-wise Data for Mahendragarh ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mahendragarh	44.9	50.3	131.8	32.1	4.1
Narnaul	39.2	43.9	115.1	28.0	3.6
Total	84.1	94.1	246.9	60.1	7.7

DistrictLevel Taluk-wise Data for Panchkula ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kalka	13.6	34.2	71.0	32.0	3.9
Total	13.6	34.2	71.0	32.0	3.9

DistrictLevel Taluk-wise Data for Panipat ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Panipat	77.4	187.4	318.0	254.4	30.2
Total	77.4	187.4	318.0	254.4	30.2

DistrictLevel Taluk-wise Data for Rewari ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rewari	25.9	27.9	73.8	18.0	2.3
Kosli	19.1	20.6	54.4	13.2	1.7
Bawal	3.6	3.9	10.2	2.5	0.32
Total	48.5	52.4	138.4	33.7	4.3

DistrictLevel Taluk-wise Data for Rohtak ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rohtak	39.3	41.9	90.2	40.9	5.0
Maham	26.3	24.2	48.7	25.9	3.1
Total	65.6	66.1	138.9	66.8	8.1

DistrictLevel Taluk-wise Data for Sirsa ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	28.0	74.1	128.2	99.1	11.8
Dabwali	14.9	40.6	69.5	54.8	6.5
Total	43.0	114.7	197.8	153.8	18.3

DistrictLevel Taluk-wise Data for Sonipat ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gohana	54.1	95.2	163.8	127.2	15.1
Sonipat	29.4	34.4	68.5	37.8	4.6
Ganaur	15.4	26.4	45.8	35.1	4.2
Total	98.9	156.1	278.0	200.1	23.9

DistrictLevel Taluk-wise Data for Yamunanagar ; Season : Kharif					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jagadiri	59.5	171.3	296.0	229.0	27.2
Total	59.5	171.3	296.0	229.0	27.2

Taluk Level Residue Wise

Taluk level Residue-wise Data for Ambala ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	44.5	134.4	201.5	161.2	19.3
Paddy	Husk	44.5	134.4	26.9	21.5	2.4
Others	Others	0.61	1.4	3.4	0.62	0.084
Total		45.1	135.8	231.8	183.3	21.8

Taluk level Residue-wise Data for Narayangarh ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	27.4	82.8	124.1	99.2	11.9
Paddy	Husk	27.4	82.8	16.5	13.2	1.5
Maize	Cobs	3.9	8.8	4.4	2.2	0.31
Maize	Stalks	3.9	8.8	17.6	1.8	0.23
Total		31.3	91.5	162.6	116.4	13.9

Taluk level Residue-wise Data for Bawani Khara ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	46.9	36.6	73.0	14.6	1.9
Bajra	Cobs	46.9	36.6	12.0	6.0	0.78
Paddy	Straw	2.2	5.4	8.0	6.4	0.77
Bajra	Husk	46.9	36.6	10.9	2.7	0.33
Paddy	Husk	2.2	5.4	1.1	0.86	0.094
Total		49.1	42.0	105.1	30.6	3.9

Taluk level Residue-wise Data for Bhiwani ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	38.3	29.9	59.6	11.9	1.6
Paddy	Straw	3.6	8.8	13.2	10.6	1.3
Bajra	Cobs	38.3	29.9	9.8	4.9	0.64
Bajra	Husk	38.3	29.9	8.9	2.2	0.27
Paddy	Husk	3.6	8.8	1.8	1.4	0.16
Total		41.9	38.7	93.4	31.1	3.9

Taluk level Residue-wise Data for Dadri ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	57.5	44.9	89.5	17.9	2.3
Bajra	Cobs	57.5	44.9	14.8	7.4	0.96
Bajra	Husk	57.5	44.9	13.4	3.4	0.40
Paddy	Straw	0.86	2.1	3.2	2.6	0.31
Others	Others	0	0	0.43	0.34	0.037
Total		58.4	47.0	121.3	31.5	4.0

Taluk level Residue-wise Data for Loharu ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	46.5	36.3	72.4	14.5	1.9
Bajra	Cobs	46.5	36.3	11.9	6.0	0.78
Bajra	Husk	46.5	36.3	10.9	2.7	0.33
Paddy	Straw	0.16	0.39	0.59	0.47	0.056
Others	Others	0	0	0.078	0.063	0.0069
Total		46.7	36.7	95.8	23.7	3.0

Taluk level Residue-wise Data for Siwani ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	1.4	3.5	5.2	4.2	0.50
Bajra	Stalks	11.5	9.0	17.9	3.6	0.46
Bajra	Cobs	11.5	9.0	2.9	1.5	0.19
Bajra	Husk	11.5	9.0	2.7	0.67	0.080
Paddy	Husk	1.4	3.5	0.70	0.56	0.061
Total		12.9	12.4	29.4	10.5	1.3

Taluk level Residue-wise Data for Ballabgarh ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	9.5	26.4	39.6	31.7	3.8
Paddy	Husk	9.5	26.4	5.3	4.2	0.47
Others	Others	8.7	1.4	4.4	0.91	0.12
Bajra	Stalks	1.2	1.6	3.2	0.64	0.084
Total		19.4	29.5	52.5	37.5	4.5

Taluk level Residue-wise Data for Hathin ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	1.8	5.0	7.5	6.0	0.72
Paddy	Husk	1.8	5.0	1.00	0.80	0.088
Others	Others	3.5	0.56	2.1	0.49	0.063
Bajra	Stalks	0.87	1.2	2.3	0.46	0.060
Total		6.2	6.7	12.9	7.7	0.93

Taluk level Residue-wise Data for Palwal ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	17.6	48.7	72.9	58.4	7.0
Bajra	Stalks	12.3	16.5	32.9	6.6	0.86
Paddy	Husk	17.6	48.7	9.7	7.8	0.86
Bajra	Cobs	12.3	16.5	5.4	2.7	0.35
Bajra	Husk	12.3	16.5	4.9	1.2	0.15
Others	Others	6.6	1.1	2.6	0.40	0.052
Total		36.5	66.2	128.5	77.1	9.3

Taluk level Residue-wise Data for Fatehabad ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	10.8	35.1	52.6	42.1	5.0
Paddy	Husk	10.8	35.1	7.0	5.6	0.62
Bajra	Stalks	2.3	3.2	6.3	1.3	0.16
Bajra	Cobs	2.3	3.2	1.0	0.52	0.068
Others	Others	0	0	0.95	0.24	0.028
Total		13.1	38.3	67.9	49.7	5.9

Taluk level Residue-wise Data for Ratia ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	35.7	116.2	174.1	139.2	16.7
Paddy	Husk	35.7	116.2	23.2	18.6	2.0
Bajra	Stalks	4.7	6.3	12.7	2.5	0.33
Bajra	Cobs	4.7	6.3	2.1	1.0	0.14
Bajra	Husk	4.7	6.3	1.9	0.47	0.057
Total		40.4	122.5	213.9	161.9	19.3

Taluk level Residue-wise Data for Tohana ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	15.0	48.6	72.9	58.3	7.0
Paddy	Husk	15.0	48.6	9.7	7.8	0.85
Bajra	Stalks	3.4	4.6	9.3	1.9	0.24
Bajra	Cobs	3.4	4.6	1.5	0.76	0.099
Others	Others	0	0	1.4	0.35	0.042
Total		18.4	53.3	94.8	69.0	8.2

Taluk level Residue-wise Data for Firozpur Jhirka ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	21.9	26.5	52.7	10.5	1.4
Bajra	Cobs	21.9	26.5	8.7	4.4	0.57
Bajra	Husk	21.9	26.5	7.9	2.0	0.24
Others	Others	1.3	0.26	0.62	0.096	0.012
Total		23.1	26.7	70.0	17.0	2.2

Taluk level Residue-wise Data for Gurgaon ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	20.4	24.7	49.3	9.9	1.3
Bajra	Cobs	20.4	24.7	8.1	4.1	0.53
Bajra	Husk	20.4	24.7	7.4	1.8	0.22
Others	Others	2.5	0.53	1.2	0.19	0.025
Total		23.0	25.3	66.0	16.0	2.1

Taluk level Residue-wise Data for Nuh ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	17.0	20.6	41.0	8.2	1.1
Bajra	Cobs	17.0	20.6	6.8	3.4	0.44
Bajra	Husk	17.0	20.6	6.2	1.5	0.18
Others	Others	0.93	0.20	0.46	0.071	0.0093
Total		17.9	20.8	54.4	13.2	1.7

Taluk level Residue-wise Data for Pataudi ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	6.5	7.9	15.8	3.2	0.41
Bajra	Cobs	6.5	7.9	2.6	1.3	0.17
Bajra	Husk	6.5	7.9	2.4	0.59	0.071
Others	Others	0.25	0.052	0.12	0.019	0.0024
Total		6.8	8.0	20.9	5.1	0.65

Taluk level Residue-wise Data for Hansi ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	3.2	6.0	9.0	7.2	0.87
Bajra	Stalks	11.2	14.3	28.5	5.7	0.74
Bajra	Cobs	11.2	14.3	4.7	2.4	0.31
Bajra	Husk	11.2	14.3	4.3	1.1	0.13
Paddy	Husk	3.2	6.0	1.2	0.96	0.11
Total		14.3	20.3	47.7	17.3	2.1

Taluk level Residue-wise Data for Hisar ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	47.3	60.5	120.7	24.1	3.1
Paddy	Straw	10.7	20.2	30.3	24.2	2.9
Bajra	Cobs	47.3	60.5	19.9	10.0	1.3
Bajra	Husk	47.3	60.5	18.1	4.5	0.54
Paddy	Husk	10.7	20.2	4.0	3.2	0.36
Total		58.0	80.7	193.0	66.1	8.2

Taluk level Residue-wise Data for Bahadurgarh ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	8.0	8.7	17.5	3.5	0.46
Bajra	Cobs	8.0	8.7	2.9	1.4	0.19
Others	Others	6.4	1.9	4.5	0.91	0.12
Bajra	Husk	8.0	8.7	2.6	0.66	0.079
Total		14.4	10.7	27.6	6.5	0.84

Taluk level Residue-wise Data for Jhajjar ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	12.1	13.2	26.5	5.3	0.69
Bajra	Cobs	12.1	13.2	4.4	2.2	0.28
Jowar	Stalks	22.5	6.3	10.7	1.1	0.14
Bajra	Husk	12.1	13.2	4.0	0.99	0.12
Jowar	Cobs	22.5	6.3	3.2	0.63	0.088
Jowar	Husk	22.5	6.3	1.3	0.63	0.076
Others	Others	0.12	0.18	0.31	0.25	0.029
Total		34.7	19.7	50.3	11.1	1.4

Taluk level Residue-wise Data for Jind ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	12.1	24.1	36.2	29.0	3.5
Bajra	Stalks	12.3	19.6	39.2	7.8	1.0
Paddy	Husk	12.1	24.1	4.8	3.9	0.42
Bajra	Cobs	12.3	19.6	6.5	3.2	0.42
Bajra	Husk	12.3	19.6	5.9	1.5	0.18
Total		24.5	43.8	92.5	45.4	5.5

Taluk level Residue-wise Data for Narwana ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	98.7	196.4	294.5	235.6	28.3
Paddy	Husk	98.7	196.4	39.3	31.4	3.5
Bajra	Stalks	18.4	29.2	58.4	11.7	1.5
Bajra	Cobs	18.4	29.2	9.6	4.8	0.63
Bajra	Husk	18.4	29.2	8.8	2.2	0.26
Total		117.1	225.6	410.5	285.7	34.1

Taluk level Residue-wise Data for Safidon ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	10.3	16.3	32.6	6.5	0.85
Paddy	Straw	1.7	3.5	5.2	4.2	0.50
Bajra	Cobs	10.3	16.3	5.4	2.7	0.35
Bajra	Husk	10.3	16.3	4.9	1.2	0.15
Paddy	Husk	1.7	3.5	0.69	0.55	0.061
Total		12.0	19.8	48.7	15.1	1.9

Taluk level Residue-wise Data for Gulha ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	23.9	56.8	85.3	68.2	8.2
Paddy	Husk	23.9	56.8	11.4	9.1	1.0
Others	Others	0.016	0.015	0.039	0.0095	0.0012
Total		23.9	56.8	96.7	77.3	9.2

Taluk level Residue-wise Data for Kaithal ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	108.2	257.6	386.6	309.3	37.1
Paddy	Husk	108.2	257.6	51.5	41.2	4.5
Others	Others	0.042	0.039	0.10	0.025	0.0032
Total		108.3	257.6	438.2	350.5	41.7

Taluk level Residue-wise Data for Asandh ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	41.7	117.1	175.6	140.5	16.9
Paddy	Husk	41.7	117.1	23.4	18.7	2.1
Others	Others	0.52	0.56	1.5	0.36	0.046
Total		42.2	117.6	200.5	159.6	19.0

Taluk level Residue-wise Data for Karnal ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	119.0	334.3	501.4	401.1	48.1
Paddy	Husk	119.0	334.3	66.9	53.5	5.9
Bajra	Stalks	2.3	2.5	5.0	1.0	0.13
Bajra	Cobs	2.3	2.5	0.83	0.41	0.054
Others	Others	0	0	0.75	0.19	0.023
Total		121.3	336.8	574.9	456.2	54.2

Taluk level Residue-wise Data for Pehowa ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	35.0	111.6	167.5	134.0	16.1
Paddy	Husk	35.0	111.6	22.3	17.9	2.0
Total		35.0	111.6	189.8	151.9	18.0

Taluk level Residue-wise Data for Thanesar ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	73.0	232.9	349.7	279.7	33.6
Paddy	Husk	73.0	232.9	46.6	37.3	4.1
Total		73.0	232.9	396.3	317.0	37.7

Taluk level Residue-wise Data for Mahendragarh ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	44.9	50.3	100.2	20.0	2.6
Bajra	Cobs	44.9	50.3	16.5	8.3	1.1
Bajra	Husk	44.9	50.3	15.0	3.8	0.45
Total		44.9	50.3	131.8	32.1	4.1

Taluk level Residue-wise Data for Narnaul ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	39.2	43.9	87.5	17.5	2.3
Bajra	Cobs	39.2	43.9	14.4	7.2	0.94
Bajra	Husk	39.2	43.9	13.1	3.3	0.39
Total		39.2	43.9	115.1	28.0	3.6

Taluk level Residue-wise Data for Kalka ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	6.3	18.2	27.3	21.9	2.6
Maize	Cobs	7.3	16.0	8.0	4.0	0.56
Maize	Stalks	7.3	16.0	32.0	3.2	0.42
Paddy	Husk	6.3	18.2	3.6	2.9	0.32
Total		13.6	34.2	71.0	32.0	3.9

Taluk level Residue-wise Data for Panipat ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	77.4	187.4	280.6	224.5	26.9
Paddy	Husk	77.4	187.4	37.4	29.9	3.3
Total		77.4	187.4	318.0	254.4	30.2

Taluk level Residue-wise Data for Bawal ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	3.6	3.9	7.8	1.6	0.20
Bajra	Cobs	3.6	3.9	1.3	0.64	0.083
Others	Others	0	0	1.2	0.29	0.035
Total		3.6	3.9	10.2	2.5	0.32

Taluk level Residue-wise Data for Kosli ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	19.1	20.6	41.4	8.3	1.1
Bajra	Cobs	19.1	20.6	6.8	3.4	0.44
Bajra	Husk	19.1	20.6	6.2	1.6	0.19
Total		19.1	20.6	54.4	13.2	1.7

Taluk level Residue-wise Data for Rewari ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	25.9	27.9	56.1	11.2	1.5
Bajra	Cobs	25.9	27.9	9.3	4.6	0.60
Bajra	Husk	25.9	27.9	8.4	2.1	0.25
Total		25.9	27.9	73.8	18.0	2.3

Taluk level Residue-wise Data for Maham ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	10.2	15.4	23.1	18.5	2.2
Bajra	Stalks	4.1	6.4	12.8	2.6	0.33
Paddy	Husk	10.2	15.4	3.1	2.5	0.27
Bajra	Cobs	4.1	6.4	2.1	1.1	0.14
Others	Others	0	0	1.6	0.47	0.061
Bajra	Husk	4.1	6.4	1.9	0.48	0.058
Jowar	Stalks	12.0	2.4	4.0	0.40	0.052
Total		26.3	24.2	48.7	25.9	3.1

Taluk level Residue-wise Data for Rohtak ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	13.7	20.7	30.9	24.7	3.0
Bajra	Stalks	11.9	18.5	37.0	7.4	0.96
Bajra	Cobs	11.9	18.5	6.1	3.1	0.40
Paddy	Husk	13.7	20.7	4.1	3.3	0.36
Bajra	Husk	11.9	18.5	5.6	1.4	0.17
Others	Others	0	0	1.9	0.54	0.070
Jowar	Stalks	13.7	2.7	4.6	0.46	0.060
Total		39.3	41.9	90.2	40.9	5.0

Taluk level Residue-wise Data for Dabwali ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	14.3	40.0	60.0	48.0	5.8
Paddy	Husk	14.3	40.0	8.0	6.4	0.70
Others	Others	0.58	0.60	1.6	0.38	0.049
Total		14.9	40.6	69.5	54.8	6.5

Taluk level Residue-wise Data for Sirsa ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	25.7	71.7	107.6	86.1	10.3
Paddy	Husk	25.7	71.7	14.3	11.5	1.3
Bajra	Stalks	2.3	2.4	4.8	0.96	0.12
Bajra	Cobs	2.3	2.4	0.79	0.40	0.052
Others	Others	0	0	0.72	0.18	0.022
Total		28.0	74.1	128.2	99.1	11.8

Taluk level Residue-wise Data for Ganaur ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	14.2	25.4	38.0	30.4	3.6
Paddy	Husk	14.2	25.4	5.1	4.0	0.45
Others	Others	1.2	1.1	2.7	0.63	0.082
Total		15.4	26.4	45.8	35.1	4.2

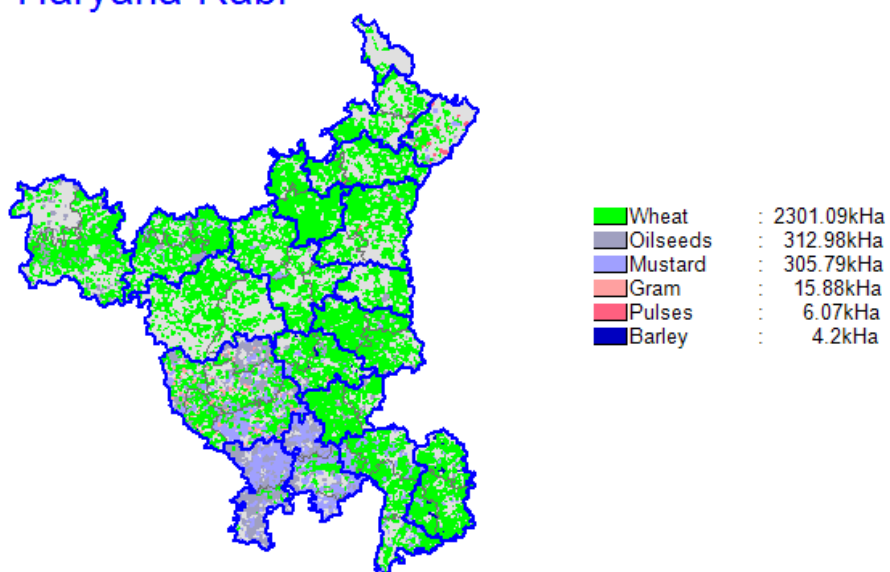
Taluk level Residue-wise Data for Gohana ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	51.7	92.6	138.5	110.8	13.3
Paddy	Husk	51.7	92.6	18.5	14.8	1.6
Bajra	Stalks	1.5	2.4	4.8	0.96	0.13
Bajra	Cobs	1.5	2.4	0.79	0.40	0.052
Others	Others	0.81	0.19	1.2	0.25	0.031
Total		54.1	95.2	163.8	127.2	15.1

Taluk level Residue-wise Data for Sonipat ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	12.9	23.0	34.5	27.6	3.3
Bajra	Stalks	5.5	8.7	17.4	3.5	0.45
Paddy	Husk	12.9	23.0	4.6	3.7	0.40
Bajra	Cobs	5.5	8.7	2.9	1.4	0.19
Bajra	Husk	5.5	8.7	2.6	0.65	0.078
Others	Others	0	0	1.9	0.54	0.070
Jowar	Stalks	11.0	2.7	4.6	0.46	0.060
Total		29.4	34.4	68.5	37.8	4.6

Taluk level Residue-wise Data for Jagadiri ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	56.4	166.2	249.8	199.8	24.0
Paddy	Husk	56.4	166.2	33.3	26.6	2.9
Maize	Cobs	1.6	4.1	2.0	1.0	0.14
Maize	Stalks	1.6	4.1	8.1	0.81	0.11
Bajra	Stalks	1.5	1.0	2.0	0.41	0.053
Others	Others	0	0	0.64	0.24	0.031
Total		59.5	171.3	296.0	229.0	27.2

Rabi

Haryana-Rabi



State Level Residue Wise

State level Residue-wise Data for Haryana; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	2301.1	9466.8	14204.6	2840.9	369.3
Wheat	Pod	2301.1	9466.8	2840.9	568.2	79.5
Mustard	Stalks	305.8	412.9	743.4	594.8	77.3
Mustard	Husk	305.8	412.9	371.7	353.1	42.4
Oilseeds	Stalks	313.0	419.5	838.2	83.8	10.1
Gram	Stalks	15.9	9.5	10.0	5.0	0.65
Barley	Stalks	4.2	11.8	15.3	1.5	0.20
Pulses	Stalks	6.1	6.1	7.9	0.79	0.10
Total		2946.0	10326.6	19032.0	4448.1	579.6

State Level District Wise

State level District-wise Data for Haryana ; Season : Rabi					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bhiwani	376.5	748.0	1486.9	505.2	64.6
Sirsa	269.8	1049.1	1897.4	372.5	49.0
Jind	215.2	902.4	1631.6	334.3	43.9
Rewari	160.5	416.6	855.1	323.1	41.1
Hisar	198.6	849.5	1530.3	306.3	40.3
Fatehabad	191.1	783.2	1421.0	295.1	38.7
Gurgaon	171.5	533.4	1004.9	284.8	36.9
Karnal	169.5	772.5	1390.7	279.6	36.8
Kaithal	149.5	670.9	1206.2	241.2	31.8
Mahendragarh	166.6	226.2	509.9	248.3	31.3
Sonapat	147.6	566.8	1024.7	211.3	27.8
Faridabad	143.6	557.7	1007.0	210.0	27.6
Kurukshetra	110.3	509.3	915.4	183.0	24.1
Rohtak	119.2	391.9	716.6	165.1	21.5
Jhajjar	112.7	413.7	748.0	147.3	19.4
Panipat	83.7	392.3	706.9	141.2	18.6
Ambala	83.8	280.4	505.4	103.1	13.6
Yamunanagar	66.4	236.3	426.0	87.2	11.5
Panchkula	10.0	26.6	47.9	9.6	1.3
Total	2946.0	10326.6	19032.0	4448.1	579.6

State Level Taluk Wise

State level Taluk-wise Data for Haryana ; Season : Rabi						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	Sirsa	249.2	977.9	1767.7	348.0	45.8
Hisar	Hisar	180.9	773.9	1394.0	278.9	36.7
Karnal	Karnal	145.9	663.3	1194.3	240.3	31.6
Bhiwani	Dadri	119.2	184.9	416.0	236.8	30.0
Jind	Narwana	124.5	520.7	942.5	195.4	25.7
Mahendragarh	Mahendragarh	89.8	108.5	275.9	199.0	25.1
Kaithal	Kaithal	115.2	517.4	930.3	186.1	24.5
Fatehabad	Fatehabad	116.8	493.5	891.1	179.5	23.6
Rewari	Rewari	85.6	283.1	548.9	178.1	22.9
Panipat	Panipat	83.7	392.3	706.9	141.2	18.6
Bhiwani	Bhiwani	98.6	198.9	392.8	129.7	16.6
Jhajjar	Jhajjar	89.0	333.2	601.6	119.5	15.7
Kurukshetra	Thanesar	71.2	329.3	591.9	118.3	15.6
Rohtak	Rohtak	82.4	267.2	488.4	112.5	14.7
Gurgaon	Gurgaon	72.7	239.9	442.5	108.1	14.1
Sonipat	Gohana	73.5	280.2	507.7	107.1	14.1
Faridabad	Palwal	63.4	246.1	444.7	90.7	11.9
Yamunanagar	Jagadiri	66.4	236.3	426.0	87.2	11.5
Fatehabad	Tohana	56.3	223.3	406.0	83.6	11.0
Jind	Jind	52.1	217.6	392.7	78.0	10.3
Ambala	Ambala	58.9	195.3	352.0	72.6	9.5
Rewari	Kosli	57.4	102.2	222.8	76.1	9.5
Sonipat	Sonipat	51.9	199.7	360.3	72.3	9.5
Rewari	Bawal	17.6	31.3	83.4	68.9	8.7
Gurgaon	Nuh	46.3	156.1	285.7	65.7	8.6
Bhiwani	Loharu	58.1	172.5	313.3	65.0	8.5
Kurukshetra	Pehowa	39.1	180.0	323.5	64.6	8.5
Faridabad	Ballabgarh	44.7	174.7	314.0	64.5	8.5
Jind	Safidon	38.6	164.1	296.5	60.9	8.0
Gurgaon	Pataudi	21.1	39.7	93.6	61.4	7.8
Kaithal	Gulha	34.2	153.5	275.9	55.2	7.3
Faridabad	Hathin	35.6	136.9	248.3	54.8	7.2
Bhiwani	Siwani	50.0	121.5	226.9	54.8	7.1

District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rohtak	Maham	36.8	124.7	228.2	52.6	6.9
Gurgaon	Firozpur Jhirka	31.4	97.7	183.2	49.6	6.4
Mahendragarh	Narnaul	76.8	117.7	234.0	49.2	6.2
Karnal	Asandh	23.6	109.2	196.4	39.3	5.2
Sonipat	Ganaur	22.2	86.8	156.6	31.9	4.2
Fatehabad	Ratia	17.9	66.5	123.9	32.0	4.2
Ambala	Narayangarh	24.9	85.1	153.4	30.6	4.0
Jhajjar	Bahadurgarh	23.7	80.4	146.4	27.9	3.7
Hisar	Hansi	17.7	75.7	136.4	27.4	3.6
Sirsa	Dabwali	20.6	71.2	129.7	24.5	3.2
Bhiwani	Bawani Khera	50.5	70.2	137.9	19.0	2.4
Panchkula	Kalka	10.0	26.6	47.9	9.6	1.3
Total		2946.0	10326.6	19032.0	4448.1	579.6

District Level Residue Wise

District level Residue-wise Data for Ambala; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	79.3	275.9	414.0	82.8	10.8
Wheat	Pod	79.3	275.9	82.8	16.6	2.3
Mustard	Stalks	1.4	1.4	2.6	2.1	0.27
Mustard	Husk	1.4	1.4	1.3	1.2	0.15
Others	Others	3.1	3.1	4.7	0.47	0.059
Total		83.8	280.4	505.4	103.1	13.6

District level Residue-wise Data for Bhiwani; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	109.0	131.9	237.9	190.3	24.7
Wheat	Stalks	144.7	476.1	714.5	142.9	18.6
Mustard	Husk	109.0	131.9	119.0	113.0	13.6
Wheat	Pod	144.7	476.1	142.9	28.6	4.0
Oilseeds	Stalks	109.0	131.9	264.1	26.4	3.2

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gram	Stalks	13.5	7.5	7.9	4.0	0.51
Others	Others	0.21	0.51	0.66	0.066	0.0085
Total		376.5	748.0	1486.9	505.2	64.6

District level Residue-wise Data for Faridabad; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	133.9	539.6	809.0	161.8	21.0
Wheat	Pod	133.9	539.6	161.8	32.4	4.5
Mustard	Stalks	3.8	6.0	10.8	8.7	1.1
Mustard	Husk	3.8	6.0	5.4	5.2	0.62
Oilseeds	Stalks	4.0	6.0	12.0	1.2	0.14
Barley	Stalks	1.9	6.1	7.9	0.79	0.10
Total		143.6	557.7	1007.0	210.0	27.6

District level Residue-wise Data for Fatehabad; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	173.6	756.9	1135.6	227.1	29.5
Wheat	Pod	173.6	756.9	227.1	45.4	6.4
Mustard	Stalks	5.5	8.2	14.9	11.9	1.5
Mustard	Husk	5.5	8.2	7.4	7.1	0.85
Oilseeds	Stalks	12.0	18.0	36.0	3.6	0.43
Others	Others	0.0035	0.012	0.015	0.0015	0.00020
Total		191.1	783.2	1421.0	295.1	38.7

District level Residue-wise Data for Gurgaon; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	136.7	481.0	722.3	144.5	18.8
Mustard	Stalks	32.2	48.4	86.8	69.4	9.0
Mustard	Husk	32.2	48.4	43.4	41.2	4.9
Wheat	Pod	136.7	481.0	144.5	28.9	4.0
Oilseeds	Stalks	2.6	4.0	7.9	0.79	0.095
Others	Others	0.010	0.026	0.034	0.0034	0.00044
Total		171.5	533.4	1004.9	284.8	36.9

District level Residue-wise Data for Hisar; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	198.5	849.4	1274.9	255.0	33.1
Wheat	Pod	198.5	849.4	255.0	51.0	7.1
Others	Others	0.11	0.15	0.40	0.31	0.039
Total		198.6	849.5	1530.3	306.3	40.3

District level Residue-wise Data for Jhajjar; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	105.2	401.8	603.4	120.7	15.7
Wheat	Pod	105.2	401.8	120.7	24.1	3.4
Oilseeds	Stalks	7.5	11.8	23.7	2.4	0.28
Others	Others	0.043	0.068	0.19	0.16	0.020
Total		112.7	413.7	748.0	147.3	19.4

District level Residue-wise Data for Jind; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	207.0	892.2	1339.9	268.0	34.8
Wheat	Pod	207.0	892.2	268.0	53.6	7.5
Mustard	Stalks	4.2	5.1	9.2	7.3	0.95
Mustard	Husk	4.2	5.1	4.6	4.4	0.52
Oilseeds	Stalks	4.0	5.0	10.1	1.0	0.12
Total		215.2	902.4	1631.6	334.3	43.9

District level Residue-wise Data for Kaithal; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	149.4	670.8	1005.0	201.0	26.1
Wheat	Pod	149.4	670.8	201.0	40.2	5.6
Others	Others	0.064	0.096	0.19	0.019	0.0023
Total		149.5	670.9	1206.2	241.2	31.8

District level Residue-wise Data for Karnal; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	166.5	769.5	1153.8	230.8	30.0
Wheat	Pod	166.5	769.5	230.8	46.2	6.5
Mustard	Stalks	0.92	1.0	1.8	1.5	0.19
Mustard	Husk	0.92	1.0	0.92	0.87	0.10
Others	Others	2.0	2.0	3.4	0.34	0.042
Total		169.5	772.5	1390.7	279.6	36.8

District level Residue-wise Data for Kurukshetra; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	109.3	508.2	761.8	152.4	19.8
Wheat	Pod	109.3	508.2	152.4	30.5	4.3
Others	Others	1.0	1.0	1.3	0.13	0.017
Total		110.3	509.3	915.4	183.0	24.1

District level Residue-wise Data for Mahendragarh; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	78.4	94.0	169.3	135.5	17.6
Mustard	Husk	78.4	94.0	84.7	80.4	9.7
Oilseeds	Stalks	78.0	94.4	188.1	18.8	2.3
Wheat	Stalks	10.2	37.7	56.5	11.3	1.5
Wheat	Pod	10.2	37.7	11.3	2.3	0.32
Others	Others	2.40E-05	2.57E-05	2.69E-05	1.34E-05	1.75E-06
Total		166.6	226.2	509.9	248.3	31.3

District level Residue-wise Data for Panchkula; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	10.0	26.6	39.9	8.0	1.0
Wheat	Pod	10.0	26.6	8.0	1.6	0.22
Others	Others	0.0026	0.0023	0.0063	0.0054	0.00068
Total		10.0	26.6	47.9	9.6	1.3

District level Residue-wise Data for Panipat; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	82.7	391.3	587.4	117.5	15.3
Wheat	Pod	82.7	391.3	117.5	23.5	3.3
Others	Others	1.0	1.0	2.0	0.20	0.024
Total		83.7	392.3	706.9	141.2	18.6

District level Residue-wise Data for Rewari; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	54.5	97.0	174.6	139.7	18.2
Mustard	Husk	54.5	97.0	87.3	82.9	10.0
Wheat	Stalks	55.0	228.6	343.0	68.6	8.9
Oilseeds	Stalks	51.0	90.8	181.4	18.1	2.2
Wheat	Pod	55.0	228.6	68.6	13.7	1.9
Others	Others	0.043	0.14	0.19	0.019	0.0024
Total		160.5	416.6	855.1	323.1	41.1

District level Residue-wise Data for Rohtak; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	92.9	356.8	535.0	107.0	13.9
Wheat	Pod	92.9	356.8	107.0	21.4	3.0
Mustard	Stalks	10.8	14.1	25.2	20.2	2.6
Mustard	Husk	10.8	14.1	12.6	12.0	1.4
Oilseeds	Stalks	11.0	14.0	28.1	2.8	0.34
Gram	Stalks	2.4	2.0	2.1	1.1	0.14
Barley	Stalks	2.0	5.0	6.5	0.65	0.085
Total		119.2	391.9	716.6	165.1	21.5

District level Residue-wise Data for Sirsa; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	244.3	1013.9	1522.5	304.5	39.6
Wheat	Pod	244.3	1013.9	304.5	60.9	8.5
Oilseeds	Stalks	25.5	35.2	70.3	7.0	0.84
Others	Others	0.025	0.035	0.094	0.079	0.010
Total		269.8	1049.1	1897.4	372.5	49.0

District level Residue-wise Data for Sonipat; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	139.7	558.6	838.0	167.6	21.8
Wheat	Pod	139.7	558.6	167.6	33.5	4.7
Mustard	Stalks	3.9	4.1	7.3	5.9	0.76
Mustard	Husk	3.9	4.1	3.7	3.5	0.42
Oilseeds	Stalks	4.1	4.1	8.2	0.82	0.098
Total		147.6	566.8	1024.7	211.3	27.8

District level Residue-wise Data for Yamunanagar; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	62.3	231.9	347.9	69.6	9.0
Wheat	Pod	62.3	231.9	69.6	13.9	1.9
Mustard	Stalks	1.0	1.4	2.6	2.0	0.27
Mustard	Husk	1.0	1.4	1.3	1.2	0.15
Others	Others	3.0	3.0	4.6	0.46	0.058
Total		66.4	236.3	426.0	87.2	11.5

District Level Taluk Wise

DistrictLevel Taluk-wise Data for Ambala ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ambala	58.9	195.3	352.0	72.6	9.5
Narayangarh	24.9	85.1	153.4	30.6	4.0
Total	83.8	280.4	505.4	103.1	13.6

DistrictLevel Taluk-wise Data for Bhiwani ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Dadri	119.2	184.9	416.0	236.8	30.0
Bhiwani	98.6	198.9	392.8	129.7	16.6
Loharu	58.1	172.5	313.3	65.0	8.5
Siwani	50.0	121.5	226.9	54.8	7.1

Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bawani Khera	50.5	70.2	137.9	19.0	2.4
Total	376.5	748.0	1486.9	505.2	64.6

DistrictLevel Taluk-wise Data for Faridabad ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Palwal	63.4	246.1	444.7	90.7	11.9
Ballabgarh	44.7	174.7	314.0	64.5	8.5
Hathin	35.6	136.9	248.3	54.8	7.2
Total	143.6	557.7	1007.0	210.0	27.6

DistrictLevel Taluk-wise Data for Fatehabad ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Fatehabad	116.8	493.5	891.1	179.5	23.6
Tohana	56.3	223.3	406.0	83.6	11.0
Ratia	17.9	66.5	123.9	32.0	4.2
Total	191.1	783.2	1421.0	295.1	38.7

DistrictLevel Taluk-wise Data for Gurgaon ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gurgaon	72.7	239.9	442.5	108.1	14.1
Nuh	46.3	156.1	285.7	65.7	8.6
Pataudi	21.1	39.7	93.6	61.4	7.8
Firozpur Jhirka	31.4	97.7	183.2	49.6	6.4
Total	171.5	533.4	1004.9	284.8	36.9

DistrictLevel Taluk-wise Data for Hisar ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Hisar	180.9	773.9	1394.0	278.9	36.7
Hansi	17.7	75.7	136.4	27.4	3.6
Total	198.6	849.5	1530.3	306.3	40.3

DistrictLevel Taluk-wise Data for Jhajjar ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jhajjar	89.0	333.2	601.6	119.5	15.7
Bahadurgarh	23.7	80.4	146.4	27.9	3.7
Total	112.7	413.7	748.0	147.3	19.4

DistrictLevel Taluk-wise Data for Jind ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narwana	124.5	520.7	942.5	195.4	25.7
Jind	52.1	217.6	392.7	78.0	10.3
Safidon	38.6	164.1	296.5	60.9	8.0
Total	215.2	902.4	1631.6	334.3	43.9

DistrictLevel Taluk-wise Data for Kaithal ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kaithal	115.2	517.4	930.3	186.1	24.5
Gulha	34.2	153.5	275.9	55.2	7.3
Total	149.5	670.9	1206.2	241.2	31.8

DistrictLevel Taluk-wise Data for Karnal ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Karnal	145.9	663.3	1194.3	240.3	31.6
Asandh	23.6	109.2	196.4	39.3	5.2
Total	169.5	772.5	1390.7	279.6	36.8

DistrictLevel Taluk-wise Data for Kurukshetra ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Thanesar	71.2	329.3	591.9	118.3	15.6
Pehowa	39.1	180.0	323.5	64.6	8.5
Total	110.3	509.3	915.4	183.0	24.1

DistrictLevel Taluk-wise Data for Mahendragarh ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mahendragarh	89.8	108.5	275.9	199.0	25.1
Narnaul	76.8	117.7	234.0	49.2	6.2
Total	166.6	226.2	509.9	248.3	31.3

DistrictLevel Taluk-wise Data for Panchkula ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kalka	10.0	26.6	47.9	9.6	1.3
Total	10.0	26.6	47.9	9.6	1.3

DistrictLevel Taluk-wise Data for Panipat ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Panipat	83.7	392.3	706.9	141.2	18.6
Total	83.7	392.3	706.9	141.2	18.6

DistrictLevel Taluk-wise Data for Rewari ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rewari	85.6	283.1	548.9	178.1	22.9
Kosli	57.4	102.2	222.8	76.1	9.5
Bawal	17.6	31.3	83.4	68.9	8.7
Total	160.5	416.6	855.1	323.1	41.1

DistrictLevel Taluk-wise Data for Rohtak ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rohtak	82.4	267.2	488.4	112.5	14.7
Maham	36.8	124.7	228.2	52.6	6.9
Total	119.2	391.9	716.6	165.1	21.5

DistrictLevel Taluk-wise Data for Sirsa ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	249.2	977.9	1767.7	348.0	45.8
Dabwali	20.6	71.2	129.7	24.5	3.2
Total	269.8	1049.1	1897.4	372.5	49.0

DistrictLevel Taluk-wise Data for Sonipat ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gohana	73.5	280.2	507.7	107.1	14.1
Sonipat	51.9	199.7	360.3	72.3	9.5
Ganaur	22.2	86.8	156.6	31.9	4.2
Total	147.6	566.8	1024.7	211.3	27.8

DistrictLevel Taluk-wise Data for Yamunanagar ; Season : Rabi					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jagadiri	66.4	236.3	426.0	87.2	11.5
Total	66.4	236.3	426.0	87.2	11.5

Taluk Level Residue Wise

Taluk level Residue-wise Data for Ambala ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	55.0	191.4	287.2	57.4	7.5
Wheat	Pod	55.0	191.4	57.4	11.5	1.6
Mustard	Stalks	1.4	1.4	2.6	2.1	0.27
Mustard	Husk	1.4	1.4	1.3	1.2	0.15
Others	Others	2.5	2.5	3.5	0.35	0.045
Total		58.9	195.3	352.0	72.6	9.5

Taluk level Residue-wise Data for Narayangarh ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	24.3	84.5	126.8	25.4	3.3
Wheat	Pod	24.3	84.5	25.4	5.1	0.71
Others	Others	0.59	0.59	1.2	0.12	0.014
Total		24.9	85.1	153.4	30.6	4.0

Taluk level Residue-wise Data for Bawani Khara ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Oilseeds	Stalks	44.3	53.7	107.4	10.7	1.3
Wheat	Stalks	4.5	14.9	22.3	4.5	0.58
Mustard	Stalks	0.98	1.2	2.1	1.7	0.22
Wheat	Pod	4.5	14.9	4.5	0.89	0.13
Mustard	Husk	0.98	1.2	1.1	1.0	0.12
Others	Others	0.67	0.43	0.46	0.20	0.026
Total		50.5	70.2	137.9	19.0	2.4

Taluk level Residue-wise Data for Bhiwani ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	26.9	32.6	58.7	47.0	6.1
Wheat	Stalks	39.5	129.8	194.9	39.0	5.1
Mustard	Husk	26.9	32.6	29.4	27.9	3.3
Wheat	Pod	39.5	129.8	39.0	7.8	1.1
Oilseeds	Stalks	28.3	34.2	68.4	6.8	0.82
Gram	Stalks	4.0	2.2	2.3	1.2	0.15
Others	Others	0.039	0.093	0.12	0.012	0.0016
Total		98.6	198.9	392.8	129.7	16.6

Taluk level Residue-wise Data for Dadri ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	73.9	89.4	161.2	129.0	16.8
Mustard	Husk	73.9	89.4	80.6	76.6	9.2
Wheat	Stalks	21.2	69.7	104.6	20.9	2.7
Wheat	Pod	21.2	69.7	20.9	4.2	0.59
Oilseeds	Stalks	18.7	22.6	45.2	4.5	0.54
Gram	Stalks	5.3	3.0	3.1	1.6	0.20
Others	Others	0.11	0.27	0.35	0.035	0.0045
Total		119.2	184.9	416.0	236.8	30.0

Taluk level Residue-wise Data for Loharu ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	49.5	162.7	244.2	48.8	6.3
Wheat	Pod	49.5	162.7	48.8	9.8	1.4
Mustard	Stalks	1.7	2.0	3.7	2.9	0.38
Mustard	Husk	1.7	2.0	1.8	1.7	0.21
Oilseeds	Stalks	5.8	7.0	14.1	1.4	0.17
Others	Others	1.1	0.69	0.74	0.33	0.043
Total		58.1	172.5	313.3	65.0	8.5

Taluk level Residue-wise Data for Siwani ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	30.1	99.0	148.5	29.7	3.9
Mustard	Stalks	5.6	6.8	12.2	9.7	1.3
Wheat	Pod	30.1	99.0	29.7	5.9	0.83
Mustard	Husk	5.6	6.8	6.1	5.8	0.69
Oilseeds	Stalks	11.9	14.4	28.9	2.9	0.35
Gram	Stalks	2.4	1.4	1.4	0.71	0.093
Others	Others	0.00075	0.0018	0.0023	0.00023	3.00E-05
Total		50.0	121.5	226.9	54.8	7.1

Taluk level Residue-wise Data for Ballabgarh ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	41.8	168.3	252.4	50.5	6.6
Wheat	Pod	41.8	168.3	50.5	10.1	1.4
Mustard	Stalks	0.87	1.4	2.5	2.0	0.26
Mustard	Husk	0.87	1.4	1.2	1.2	0.14
Barley	Stalks	1.2	3.7	4.8	0.48	0.062
Others	Others	0.85	1.3	2.6	0.26	0.031
Total		44.7	174.7	314.0	64.5	8.5

Taluk level Residue-wise Data for Hathin ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	32.6	131.3	196.9	39.4	5.1
Wheat	Pod	32.6	131.3	39.4	7.9	1.1
Mustard	Stalks	2.0	3.1	5.6	4.5	0.58
Mustard	Husk	2.0	3.1	2.8	2.7	0.32
Others	Others	0.99	2.5	3.6	0.36	0.046
Total		35.6	136.9	248.3	54.8	7.2

Taluk level Residue-wise Data for Palwal ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	59.5	239.9	359.7	71.9	9.4
Wheat	Pod	59.5	239.9	71.9	14.4	2.0
Mustard	Stalks	0.97	1.5	2.8	2.2	0.29
Mustard	Husk	0.97	1.5	1.4	1.3	0.16
Oilseeds	Stalks	2.7	4.1	8.2	0.82	0.099
Others	Others	0.17	0.53	0.69	0.069	0.0090
Total		63.4	246.1	444.7	90.7	11.9

Taluk level Residue-wise Data for Fatehabad ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	111.3	485.1	727.8	145.6	18.9
Wheat	Pod	111.3	485.1	145.6	29.1	4.1
Mustard	Stalks	1.00	1.5	2.7	2.2	0.28
Oilseeds	Stalks	4.6	6.8	13.7	1.4	0.16
Mustard	Husk	1.00	1.5	1.4	1.3	0.16
Others	Others	0.0028	0.0095	0.012	0.0012	0.00016
Total		116.8	493.5	891.1	179.5	23.6

Taluk level Residue-wise Data for Ratia ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	13.8	60.3	90.5	18.1	2.4
Mustard	Stalks	2.9	4.3	7.8	6.2	0.81
Wheat	Pod	13.8	60.3	18.1	3.6	0.51
Mustard	Husk	2.9	4.3	3.9	3.7	0.44
Others	Others	1.2	1.9	3.7	0.37	0.045
Total		17.9	66.5	123.9	32.0	4.2

Taluk level Residue-wise Data for Tohana ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	48.5	211.5	317.3	63.5	8.3
Wheat	Pod	48.5	211.5	63.5	12.7	1.8
Mustard	Stalks	1.6	2.4	4.4	3.5	0.45
Mustard	Husk	1.6	2.4	2.2	2.1	0.25
Oilseeds	Stalks	6.2	9.3	18.7	1.9	0.22
Others	Others	1.50E-05	5.00E-05	6.50E-05	6.50E-06	8.45E-07
Total		56.3	223.3	406.0	83.6	11.0

Taluk level Residue-wise Data for Firozpur Jhirka ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	25.1	88.2	132.5	26.5	3.4
Mustard	Stalks	5.1	7.6	13.7	11.0	1.4
Mustard	Husk	5.1	7.6	6.8	6.5	0.78
Wheat	Pod	25.1	88.2	26.5	5.3	0.74
Others	Others	1.2	1.8	3.7	0.37	0.044
Total		31.4	97.7	183.2	49.6	6.4

Taluk level Residue-wise Data for Gurgaon ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	64.8	228.0	342.3	68.5	8.9
Mustard	Stalks	7.5	11.3	20.2	16.2	2.1
Wheat	Pod	64.8	228.0	68.5	13.7	1.9
Mustard	Husk	7.5	11.3	10.1	9.6	1.2
Others	Others	0.46	0.70	1.4	0.14	0.017
Total		72.7	239.9	442.5	108.1	14.1

Taluk level Residue-wise Data for Nuh ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	42.9	150.9	226.5	45.3	5.9
Wheat	Pod	42.9	150.9	45.3	9.1	1.3
Mustard	Stalks	3.3	4.9	8.8	7.1	0.92
Mustard	Husk	3.3	4.9	4.4	4.2	0.50
Others	Others	0.19	0.28	0.57	0.057	0.0068
Total		46.3	156.1	285.7	65.7	8.6

Taluk level Residue-wise Data for Pataudi ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	16.4	24.5	44.0	35.2	4.6
Mustard	Husk	16.4	24.5	22.0	20.9	2.5
Wheat	Stalks	4.0	14.0	21.0	4.2	0.55
Wheat	Pod	4.0	14.0	4.2	0.84	0.12
Others	Others	0.77	1.2	2.3	0.23	0.028
Total		21.1	39.7	93.6	61.4	7.8

Taluk level Residue-wise Data for Hansi ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	17.7	75.6	113.5	22.7	3.0
Wheat	Pod	17.7	75.6	22.7	4.5	0.64
Others	Others	0.048	0.066	0.18	0.15	0.019
Total		17.7	75.7	136.4	27.4	3.6

Taluk level Residue-wise Data for Hisar ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	180.8	773.8	1161.5	232.3	30.2
Wheat	Pod	180.8	773.8	232.3	46.5	6.5
Others	Others	0.064	0.089	0.22	0.16	0.020
Total		180.9	773.9	1394.0	278.9	36.7

Taluk level Residue-wise Data for Bahadurgarh ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	19.2	73.4	110.2	22.0	2.9
Wheat	Pod	19.2	73.4	22.0	4.4	0.62
Oilseeds	Stalks	4.5	7.0	14.1	1.4	0.17
Others	Others	0.00036	0.00058	0.0016	0.0013	0.00017
Total		23.7	80.4	146.4	27.9	3.7

Taluk level Residue-wise Data for Jhajjar ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	86.0	328.4	493.2	98.6	12.8
Wheat	Pod	86.0	328.4	98.6	19.7	2.8
Oilseeds	Stalks	3.0	4.8	9.6	0.96	0.12
Others	Others	0.042	0.068	0.18	0.16	0.020
Total		89.0	333.2	601.6	119.5	15.7

Taluk level Residue-wise Data for Jind ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	49.8	214.8	322.5	64.5	8.4
Wheat	Pod	49.8	214.8	64.5	12.9	1.8
Oilseeds	Stalks	2.3	2.8	5.6	0.56	0.068
Total		52.1	217.6	392.7	78.0	10.3

Taluk level Residue-wise Data for Narwana ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	119.3	514.3	772.4	154.5	20.1
Wheat	Pod	119.3	514.3	154.5	30.9	4.3
Mustard	Stalks	3.4	4.2	7.5	6.0	0.78
Mustard	Husk	3.4	4.2	3.8	3.6	0.43
Oilseeds	Stalks	1.8	2.2	4.4	0.44	0.053
Total		124.5	520.7	942.5	195.4	25.7

Taluk level Residue-wise Data for Safidon ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	37.9	163.1	245.0	49.0	6.4
Wheat	Pod	37.9	163.1	49.0	9.8	1.4
Mustard	Stalks	0.75	0.92	1.7	1.3	0.17
Mustard	Husk	0.75	0.92	0.83	0.79	0.094
Total		38.6	164.1	296.5	60.9	8.0

Taluk level Residue-wise Data for Gulha ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	34.2	153.4	229.8	46.0	6.0
Wheat	Pod	34.2	153.4	46.0	9.2	1.3
Others	Others	0.044	0.066	0.13	0.013	0.0016
Total		34.2	153.5	275.9	55.2	7.3

Taluk level Residue-wise Data for Kaithal ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	115.2	517.4	775.2	155.0	20.2
Wheat	Pod	115.2	517.4	155.0	31.0	4.3
Others	Others	0.020	0.030	0.060	0.0060	0.00072
Total		115.2	517.4	930.3	186.1	24.5

Taluk level Residue-wise Data for Asandh ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	23.6	109.1	163.7	32.7	4.3
Wheat	Pod	23.6	109.1	32.7	6.5	0.92
Others	Others	0.022	0.022	0.044	0.0044	0.00053
Total		23.6	109.2	196.4	39.3	5.2

Taluk level Residue-wise Data for Karnal ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	142.9	660.3	990.2	198.0	25.7
Wheat	Pod	142.9	660.3	198.0	39.6	5.5
Mustard	Stalks	0.92	1.0	1.8	1.5	0.19
Mustard	Husk	0.92	1.0	0.92	0.87	0.10
Others	Others	2.0	2.0	3.3	0.33	0.041
Total		145.9	663.3	1194.3	240.3	31.6

Taluk level Residue-wise Data for Pehowa ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	38.6	179.5	269.1	53.8	7.0
Wheat	Pod	38.6	179.5	53.8	10.8	1.5
Others	Others	0.46	0.46	0.60	0.060	0.0078
Total		39.1	180.0	323.5	64.6	8.5

Taluk level Residue-wise Data for Thanesar ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	70.7	328.7	492.7	98.5	12.8
Wheat	Pod	70.7	328.7	98.5	19.7	2.8
Others	Others	0.56	0.56	0.72	0.072	0.0094
Total		71.2	329.3	591.9	118.3	15.6

Taluk level Residue-wise Data for Mahendragarh ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	70.5	84.5	152.2	121.8	15.8
Mustard	Husk	70.5	84.5	76.1	72.3	8.7
Oilseeds	Stalks	19.1	23.1	45.9	4.6	0.55
Others	Others	0.24	0.90	1.6	0.32	0.042
Total		89.8	108.5	275.9	199.0	25.1

Taluk level Residue-wise Data for Narnaul ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	7.9	9.5	17.1	13.7	1.8
Oilseeds	Stalks	59.0	71.4	142.1	14.2	1.7
Wheat	Stalks	9.9	36.8	55.2	11.0	1.4
Mustard	Husk	7.9	9.5	8.5	8.1	0.97
Wheat	Pod	9.9	36.8	11.0	2.2	0.31
Others	Others	2.40E-05	2.57E-05	2.69E-05	1.34E-05	1.75E-06
Total		76.8	117.7	234.0	49.2	6.2

Taluk level Residue-wise Data for Kalka ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	10.0	26.6	39.9	8.0	1.0
Wheat	Pod	10.0	26.6	8.0	1.6	0.22
Others	Others	0.0026	0.0023	0.0063	0.0054	0.00068
Total		10.0	26.6	47.9	9.6	1.3

Taluk level Residue-wise Data for Panipat ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	82.7	391.3	587.4	117.5	15.3
Wheat	Pod	82.7	391.3	117.5	23.5	3.3
Others	Others	1.0	1.0	2.0	0.20	0.024
Total		83.7	392.3	706.9	141.2	18.6

Taluk level Residue-wise Data for Bawal ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	16.8	29.9	53.8	43.1	5.6
Mustard	Husk	16.8	29.9	26.9	25.6	3.1
Others	Others	0.75	1.3	2.7	0.27	0.032
Total		17.6	31.3	83.4	68.9	8.7

Taluk level Residue-wise Data for Kosli ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	14.9	26.6	47.9	38.3	5.0
Mustard	Husk	14.9	26.6	23.9	22.7	2.7
Oilseeds	Stalks	42.4	75.5	150.9	15.1	1.8
Others	Others	0.032	0.11	0.14	0.014	0.0018
Total		57.4	102.2	222.8	76.1	9.5

Taluk level Residue-wise Data for Rewari ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	55.0	228.6	343.0	68.6	8.9
Mustard	Stalks	22.8	40.5	72.9	58.3	7.6
Mustard	Husk	22.8	40.5	36.5	34.6	4.2
Wheat	Pod	55.0	228.6	68.6	13.7	1.9
Oilseeds	Stalks	7.8	13.9	27.9	2.8	0.33
Others	Others	0.0071	0.024	0.031	0.0031	0.00040
Total		85.6	283.1	548.9	178.1	22.9

Taluk level Residue-wise Data for Maham ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	30.4	116.7	175.0	35.0	4.5
Wheat	Pod	30.4	116.7	35.0	7.0	0.98
Mustard	Stalks	3.3	4.2	7.6	6.1	0.79
Mustard	Husk	3.3	4.2	3.8	3.6	0.43
Oilseeds	Stalks	2.3	2.9	5.7	0.57	0.069
Others	Others	0.87	0.92	1.0	0.37	0.048
Total		36.8	124.7	228.2	52.6	6.9

Taluk level Residue-wise Data for Rohtak ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	62.5	240.1	360.0	72.0	9.4
Wheat	Pod	62.5	240.1	72.0	14.4	2.0
Mustard	Stalks	7.6	9.8	17.6	14.1	1.8
Mustard	Husk	7.6	9.8	8.8	8.4	1.0
Oilseeds	Stalks	8.8	11.2	22.4	2.2	0.27
Gram	Stalks	1.7	1.4	1.5	0.73	0.095
Barley	Stalks	1.9	4.7	6.1	0.61	0.080
Total		82.4	267.2	488.4	112.5	14.7

Taluk level Residue-wise Data for Dabwali ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	15.4	64.1	96.2	19.2	2.5
Wheat	Pod	15.4	64.1	19.2	3.8	0.54
Oilseeds	Stalks	5.2	7.1	14.2	1.4	0.17
Others	Others	0.0015	0.0021	0.0057	0.0048	0.00061
Total		20.6	71.2	129.7	24.5	3.2

Taluk level Residue-wise Data for Sirsa ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	228.9	949.8	1426.3	285.3	37.1
Wheat	Pod	228.9	949.8	285.3	57.1	8.0
Oilseeds	Stalks	20.3	28.0	56.0	5.6	0.67
Others	Others	0.023	0.033	0.088	0.075	0.0094
Total		249.2	977.9	1767.7	348.0	45.8

Taluk level Residue-wise Data for Ganaur ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	21.5	86.1	129.1	25.8	3.4
Wheat	Pod	21.5	86.1	25.8	5.2	0.72
Mustard	Stalks	0.33	0.34	0.62	0.49	0.064

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.39	0.39	1.1	0.37	0.045
Total		22.2	86.8	156.6	31.9	4.2

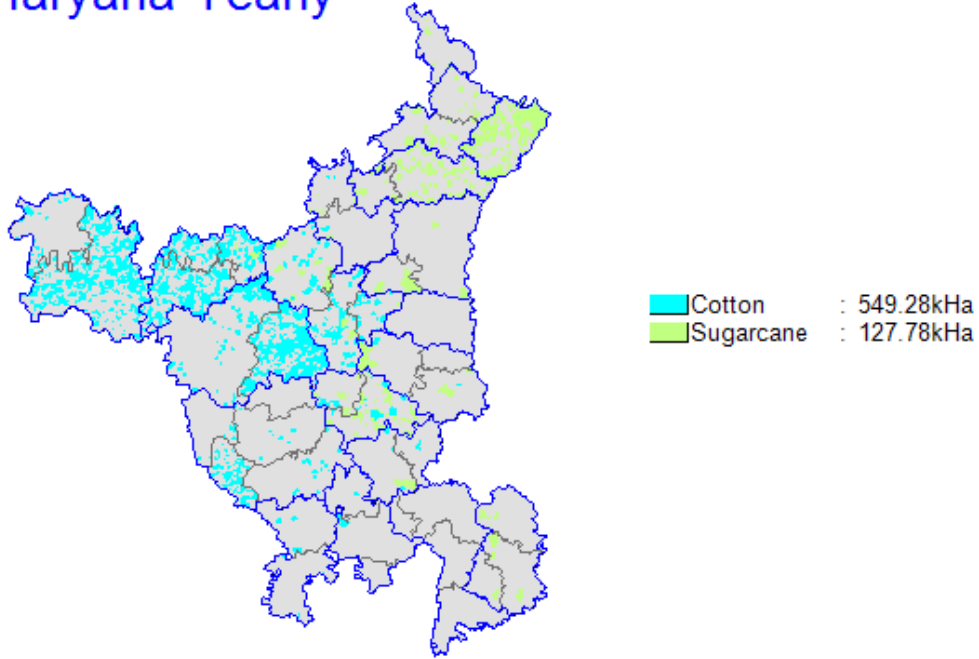
Taluk level Residue-wise Data for Gohana ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	68.9	275.4	413.1	82.6	10.7
Wheat	Pod	68.9	275.4	82.6	16.5	2.3
Mustard	Stalks	3.2	3.3	6.0	4.8	0.62
Mustard	Husk	3.2	3.3	3.0	2.9	0.34
Others	Others	1.5	1.5	2.9	0.29	0.035
Total		73.5	280.2	507.7	107.1	14.1

Taluk level Residue-wise Data for Sonipat ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	49.3	197.1	295.7	59.1	7.7
Wheat	Pod	49.3	197.1	59.1	11.8	1.7
Mustard	Stalks	0.37	0.39	0.70	0.56	0.073
Oilseeds	Stalks	2.2	2.2	4.4	0.44	0.053
Others	Others	0	0	0.35	0.33	0.040
Total		51.9	199.7	360.3	72.3	9.5

Taluk level Residue-wise Data for Jagadiri ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	62.3	231.9	347.9	69.6	9.0
Wheat	Pod	62.3	231.9	69.6	13.9	1.9
Mustard	Stalks	1.0	1.4	2.6	2.0	0.27
Mustard	Husk	1.0	1.4	1.3	1.2	0.15
Others	Others	3.0	3.0	4.6	0.46	0.058
Total		66.4	236.3	426.0	87.2	11.5

Yearly

Haryana-Yearly



State Level Residue Wise

State level Residue-wise Data for Haryana; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	549.3	242.3	2087.3	1878.6	263.0
Cotton	Bollshell	549.3	242.3	266.0	239.4	33.5
Cotton	Husk	549.3	242.3	266.0	239.4	33.5
Sugarcane	Tops & Leaves	127.8	728.9	36.4	9.1	1.3
Total		677.1	971.2	2655.7	2366.5	331.3

State Level District Wise

State level District-wise Data for Haryana ; Season : Yearly					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	199.9	90.0	958.4	862.5	120.8
Hisar	135.2	57.1	637.6	573.9	80.3
Fatehabad	110.1	61.8	519.2	466.8	65.4
Bhiwani	47.8	18.6	222.6	200.4	28.1
Jind	46.2	52.0	178.7	159.6	22.3
Rohtak	26.7	71.5	58.6	50.5	7.1
Rewari	1.6	5.1	17.3	15.6	2.2
Jhajjar	3.6	11.1	11.1	9.7	1.4
Mahendragarh	1.5	2.0	10.1	9.1	1.3
Kaithal	5.5	31.5	9.0	7.1	1.00
Sonapat	9.6	47.5	7.0	4.8	0.67
Yamunanagar	39.5	220.2	11.0	2.8	0.39
Kurukshetra	16.0	104.0	5.2	1.3	0.18
Ambala	15.8	92.9	4.6	1.2	0.16
Karnal	9.8	63.2	3.2	0.79	0.11
Faridabad	7.5	36.7	1.8	0.46	0.064
Panchkula	0.81	6.1	0.31	0.076	0.011
Total	677.1	971.2	2655.7	2366.5	331.3

State Level Taluk Wise

State level Taluk-wise Data for Haryana ; Season : Yearly						
District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	Sirsa	191.6	86.2	918.4	826.6	115.7
Hisar	Hansi	120.5	51.0	568.3	511.4	71.6
Fatehabad	Fatehabad	82.7	38.0	397.3	357.6	50.1
Bhiwani	Loharu	44.8	17.5	208.9	188.0	26.3
Jind	Jind	29.6	17.0	128.7	115.6	16.2
Fatehabad	Tohana	17.5	17.2	76.3	68.4	9.6
Hisar	Hisar	14.7	6.2	69.3	62.4	8.7
Fatehabad	Ratia	9.8	6.5	45.5	40.9	5.7
Sirsa	Dabwali	8.3	3.7	39.9	35.9	5.0
Rohtak	Maham	10.4	19.4	30.0	26.4	3.7
Jind	Narwana	11.5	32.4	27.9	24.1	3.4
Rohtak	Rohtak	16.2	52.1	28.6	24.1	3.4
Jind	Safidon	5.0	2.5	22.1	19.8	2.8
Rewari	Rewari	1.5	4.7	16.0	14.4	2.0
Bhiwani	Dadri	1.5	0.59	7.0	6.3	0.88
Jhajjar	Bahadurgarh	0.92	1.1	6.0	5.4	0.76
Mahendragarh	Narnaul	0.85	1.1	5.7	5.2	0.72
Kaithal	Gulha	4.9	28.7	6.5	5.0	0.69
Jhajjar	Jhajjar	2.7	9.9	5.1	4.3	0.60
Mahendragarh	Mahendragarh	0.65	0.86	4.4	3.9	0.55
Sonipat	Gohana	7.4	37.3	5.1	3.4	0.48
Bhiwani	Siwani	0.71	0.28	3.3	3.0	0.41
Bhiwani	Bhiwani	0.67	0.26	3.1	2.8	0.39
Yamunanagar	Jagadiri	39.5	220.2	11.0	2.8	0.39
Kaithal	Kaithal	0.60	2.8	2.5	2.2	0.31
Sonipat	Sonipat	2.1	10.2	1.9	1.4	0.19
Rewari	Kosli	0.12	0.39	1.3	1.2	0.17
Kurukshetra	Thanesar	13.8	89.8	4.5	1.1	0.16
Ambala	Ambala	12.1	71.2	3.6	0.89	0.12
Karnal	Asandh	7.7	49.6	2.5	0.62	0.087
Bhiwani	Bawani Khera	0.074	0.029	0.34	0.31	0.043
Faridabad	Ballabgarh	4.5	22.1	1.1	0.28	0.039
Ambala	Narayangarh	3.7	21.7	1.1	0.27	0.038
Kurukshetra	Pehowa	2.2	14.2	0.71	0.18	0.025

District	Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Karnal	Karnal	2.1	13.6	0.68	0.17	0.024
Faridabad	Palwal	2.5	11.9	0.60	0.15	0.021
Panchkula	Kalka	0.81	6.1	0.31	0.076	0.011
Faridabad	Hathin	0.54	2.6	0.13	0.033	0.0046
Total		677.1	971.2	2655.7	2366.5	331.3

District Level Residue Wise

District level Residue-wise Data for Ambala; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	15.8	92.9	4.6	1.2	0.16
Total		15.8	92.9	4.6	1.2	0.16

District level Residue-wise Data for Bhiwani; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	47.8	18.6	181.6	163.5	22.9
Cotton	Bollshell	47.8	18.6	20.5	18.5	2.6
Cotton	Husk	47.8	18.6	20.5	18.5	2.6
Total		47.8	18.6	222.6	200.4	28.1

District level Residue-wise Data for Faridabad; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	7.5	36.7	1.8	0.46	0.064
Total		7.5	36.7	1.8	0.46	0.064

District level Residue-wise Data for Fatehabad; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	108.0	49.7	410.2	369.2	51.7
Cotton	Bollshell	108.0	49.7	54.2	48.8	6.8
Cotton	Husk	108.0	49.7	54.2	48.8	6.8
Others	Others	2.1	12.1	0.61	0.15	0.021
Total		110.1	61.8	519.2	466.8	65.4

District level Residue-wise Data for Hisar; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	135.1	56.7	513.4	462.0	64.7
Cotton	Bollshell	135.1	56.7	62.1	55.9	7.8
Cotton	Husk	135.1	56.7	62.1	55.9	7.8
Others	Others	0.078	0.41	0.020	0.0051	0.00071
Total		135.2	57.1	637.6	573.9	80.3

District level Residue-wise Data for Jhajjar; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	1.6	2.0	6.2	5.6	0.78
Cotton	Bollshell	1.6	2.0	2.2	2.0	0.28
Cotton	Husk	1.6	2.0	2.2	2.0	0.28
Others	Others	2.0	9.0	0.45	0.11	0.016
Total		3.6	11.1	11.1	9.7	1.4

District level Residue-wise Data for Jind; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	38.9	13.2	147.9	133.1	18.6
Cotton	Bollshell	38.9	13.2	14.4	13.0	1.8
Cotton	Husk	38.9	13.2	14.4	13.0	1.8
Sugarcane	Tops & Leaves	7.2	38.7	1.9	0.48	0.068
Total		46.2	52.0	178.7	159.6	22.3

District level Residue-wise Data for Kaithal; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.81	2.0	3.1	2.8	0.39
Cotton	Bollshell	0.81	2.0	2.2	2.0	0.28
Cotton	Husk	0.81	2.0	2.2	2.0	0.28
Sugarcane	Tops & Leaves	4.7	29.5	1.5	0.37	0.052
Total		5.5	31.5	9.0	7.1	1.00

District level Residue-wise Data for Karnal; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	9.8	63.2	3.2	0.79	0.11
Total		9.8	63.2	3.2	0.79	0.11

District level Residue-wise Data for Kurukshetra; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	16.0	104.0	5.2	1.3	0.18
Total		16.0	104.0	5.2	1.3	0.18

District level Residue-wise Data for Mahendragarh; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	1.5	2.0	5.7	5.1	0.72
Cotton	Bollshell	1.5	2.0	2.2	2.0	0.28
Cotton	Husk	1.5	2.0	2.2	2.0	0.28
Total		1.5	2.0	10.1	9.1	1.3

District level Residue-wise Data for Panchkula; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.81	6.1	0.31	0.076	0.011
Total		0.81	6.1	0.31	0.076	0.011

District level Residue-wise Data for Rewari; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	1.6	5.1	6.2	5.5	0.78
Cotton	Bollshell	1.6	5.1	5.6	5.0	0.70
Cotton	Husk	1.6	5.1	5.6	5.0	0.70
Total		1.6	5.1	17.3	15.6	2.2

District level Residue-wise Data for Rohtak; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	13.0	2.6	49.4	44.5	6.2
Cotton	Bollshell	13.0	2.6	2.9	2.6	0.36
Cotton	Husk	13.0	2.6	2.9	2.6	0.36
Sugarcane	Tops & Leaves	13.7	68.9	3.4	0.86	0.12
Total		26.7	71.5	58.6	50.5	7.1

District level Residue-wise Data for Sirsa; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	199.9	90.0	759.7	683.8	95.7
Cotton	Bollshell	199.9	90.0	99.3	89.4	12.5
Cotton	Husk	199.9	90.0	99.3	89.4	12.5
Total		199.9	90.0	958.4	862.5	120.8

District level Residue-wise Data for Sonipat; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	1.0	0.35	3.9	3.5	0.49
Others	Others	0	0	0.76	0.69	0.096
Sugarcane	Tops & Leaves	8.5	47.2	2.4	0.59	0.083
Total		9.6	47.5	7.0	4.8	0.67

District level Residue-wise Data for Yamunanagar; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	39.5	220.2	11.0	2.8	0.39
Total		39.5	220.2	11.0	2.8	0.39

District Level Taluk Wise

DistrictLevel Taluk-wise Data for Ambala ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ambala	12.1	71.2	3.6	0.89	0.12
Narayangarh	3.7	21.7	1.1	0.27	0.038
Total	15.8	92.9	4.6	1.2	0.16

DistrictLevel Taluk-wise Data for Bhiwani ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Loharu	44.8	17.5	208.9	188.0	26.3
Dadri	1.5	0.59	7.0	6.3	0.88
Siwani	0.71	0.28	3.3	3.0	0.41
Bhiwani	0.67	0.26	3.1	2.8	0.39
Bawani Khera	0.074	0.029	0.34	0.31	0.043
Total	47.8	18.6	222.6	200.4	28.1

DistrictLevel Taluk-wise Data for Faridabad ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ballabgarh	4.5	22.1	1.1	0.28	0.039
Palwal	2.5	11.9	0.60	0.15	0.021
Hathin	0.54	2.6	0.13	0.033	0.0046
Total	7.5	36.7	1.8	0.46	0.064

DistrictLevel Taluk-wise Data for Fatehabad ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Fatehabad	82.7	38.0	397.3	357.6	50.1
Tohana	17.5	17.2	76.3	68.4	9.6
Ratia	9.8	6.5	45.5	40.9	5.7
Total	110.1	61.8	519.2	466.8	65.4

DistrictLevel Taluk-wise Data for Hisar ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Hansi	120.5	51.0	568.3	511.4	71.6
Hisar	14.7	6.2	69.3	62.4	8.7
Total	135.2	57.1	637.6	573.9	80.3

DistrictLevel Taluk-wise Data for Jhajjar ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bahadurgarh	0.92	1.1	6.0	5.4	0.76
Jhajjar	2.7	9.9	5.1	4.3	0.60
Total	3.6	11.1	11.1	9.7	1.4

DistrictLevel Taluk-wise Data for Jind ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jind	29.6	17.0	128.7	115.6	16.2
Narwana	11.5	32.4	27.9	24.1	3.4
Safidon	5.0	2.5	22.1	19.8	2.8
Total	46.2	52.0	178.7	159.6	22.3

DistrictLevel Taluk-wise Data for Kaithal ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gulha	4.9	28.7	6.5	5.0	0.69
Kaithal	0.60	2.8	2.5	2.2	0.31
Total	5.5	31.5	9.0	7.1	1.00

DistrictLevel Taluk-wise Data for Karnal ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Asandh	7.7	49.6	2.5	0.62	0.087
Karnal	2.1	13.6	0.68	0.17	0.024
Total	9.8	63.2	3.2	0.79	0.11

DistrictLevel Taluk-wise Data for Kurukshetra ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Thanesar	13.8	89.8	4.5	1.1	0.16
Pehowa	2.2	14.2	0.71	0.18	0.025
Total	16.0	104.0	5.2	1.3	0.18

DistrictLevel Taluk-wise Data for Mahendragarh ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narnaul	0.85	1.1	5.7	5.2	0.72
Mahendragarh	0.65	0.86	4.4	3.9	0.55
Total	1.5	2.0	10.1	9.1	1.3

DistrictLevel Taluk-wise Data for Panchkula ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kalka	0.81	6.1	0.31	0.076	0.011
Total	0.81	6.1	0.31	0.076	0.011

DistrictLevel Taluk-wise Data for Rewari ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rewari	1.5	4.7	16.0	14.4	2.0
Kosli	0.12	0.39	1.3	1.2	0.17
Total	1.6	5.1	17.3	15.6	2.2

DistrictLevel Taluk-wise Data for Rohtak ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Maham	10.4	19.4	30.0	26.4	3.7
Rohtak	16.2	52.1	28.6	24.1	3.4
Total	26.7	71.5	58.6	50.5	7.1

DistrictLevel Taluk-wise Data for Sirsa ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	191.6	86.2	918.4	826.6	115.7
Dabwali	8.3	3.7	39.9	35.9	5.0
Total	199.9	90.0	958.4	862.5	120.8

DistrictLevel Taluk-wise Data for Sonipat ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gohana	7.4	37.3	5.1	3.4	0.48
Sonipat	2.1	10.2	1.9	1.4	0.19
Total	9.6	47.5	7.0	4.8	0.67

DistrictLevel Taluk-wise Data for Yamunanagar ; Season : Yearly					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jagadiri	39.5	220.2	11.0	2.8	0.39
Total	39.5	220.2	11.0	2.8	0.39

Taluk Level Residue Wise

Taluk level Residue-wise Data for Ambala ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	12.1	71.2	3.6	0.89	0.12
Total		12.1	71.2	3.6	0.89	0.12

Taluk level Residue-wise Data for Narayangarh ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	3.7	21.7	1.1	0.27	0.038
Total		3.7	21.7	1.1	0.27	0.038

Taluk level Residue-wise Data for Bawani Khara ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.074	0.029	0.34	0.31	0.043
Total		0.074	0.029	0.34	0.31	0.043

Taluk level Residue-wise Data for Bhiwani ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.67	0.26	2.5	2.3	0.32
Others	Others	0	0	0.57	0.52	0.072
Total		0.67	0.26	3.1	2.8	0.39

Taluk level Residue-wise Data for Dadri ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	1.5	0.59	5.7	5.1	0.72
Cotton	Bollshell	1.5	0.59	0.65	0.58	0.081
Cotton	Husk	1.5	0.59	0.65	0.58	0.081
Total		1.5	0.59	7.0	6.3	0.88

Taluk level Residue-wise Data for Loharu ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	44.8	17.5	170.4	153.3	21.5
Cotton	Bollshell	44.8	17.5	19.2	17.3	2.4
Cotton	Husk	44.8	17.5	19.2	17.3	2.4
Total		44.8	17.5	208.9	188.0	26.3

Taluk level Residue-wise Data for Siwani ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.71	0.28	2.7	2.4	0.34
Others	Others	0	0	0.61	0.55	0.076
Total		0.71	0.28	3.3	3.0	0.41

Taluk level Residue-wise Data for Ballabgarh ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	4.5	22.1	1.1	0.28	0.039
Total		4.5	22.1	1.1	0.28	0.039

Taluk level Residue-wise Data for Hathin ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.54	2.6	0.13	0.033	0.0046
Total		0.54	2.6	0.13	0.033	0.0046

Taluk level Residue-wise Data for Palwal ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	2.5	11.9	0.60	0.15	0.021
Total		2.5	11.9	0.60	0.15	0.021

Taluk level Residue-wise Data for Fatehabad ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	82.7	38.0	314.3	282.9	39.6
Cotton	Bollshell	82.7	38.0	41.5	37.4	5.2
Cotton	Husk	82.7	38.0	41.5	37.4	5.2
Total		82.7	38.0	397.3	357.6	50.1

Taluk level Residue-wise Data for Ratia ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	9.5	4.3	35.9	32.3	4.5
Cotton	Bollshell	9.5	4.3	4.7	4.3	0.60
Cotton	Husk	9.5	4.3	4.7	4.3	0.60
Others	Others	0.38	2.2	0.11	0.027	0.0038
Total		9.8	6.5	45.5	40.9	5.7

Taluk level Residue-wise Data for Tohana ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	15.8	7.3	60.0	54.0	7.6
Cotton	Bollshell	15.8	7.3	7.9	7.1	1.00
Cotton	Husk	15.8	7.3	7.9	7.1	1.00
Others	Others	1.7	10.0	0.50	0.12	0.017
Total		17.5	17.2	76.3	68.4	9.6

Taluk level Residue-wise Data for Hansi ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	120.4	50.6	457.5	411.8	57.6
Cotton	Bollshell	120.4	50.6	55.4	49.8	7.0
Cotton	Husk	120.4	50.6	55.4	49.8	7.0
Others	Others	0.078	0.41	0.020	0.0051	0.00071
Total		120.5	51.0	568.3	511.4	71.6

Taluk level Residue-wise Data for Hisar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	14.7	6.2	55.8	50.2	7.0
Cotton	Bollshell	14.7	6.2	6.8	6.1	0.85
Cotton	Husk	14.7	6.2	6.8	6.1	0.85
Total		14.7	6.2	69.3	62.4	8.7

Taluk level Residue-wise Data for Bahadurgarh ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.92	1.1	3.5	3.1	0.44
Cotton	Bollshell	0.92	1.1	1.3	1.1	0.16
Cotton	Husk	0.92	1.1	1.3	1.1	0.16
Total		0.92	1.1	6.0	5.4	0.76

Taluk level Residue-wise Data for Jhajjar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.71	0.89	2.7	2.4	0.34
Cotton	Bollshell	0.71	0.89	0.98	0.88	0.12
Cotton	Husk	0.71	0.89	0.98	0.88	0.12
Others	Others	2.0	9.0	0.45	0.11	0.016
Total		2.7	9.9	5.1	4.3	0.60

Taluk level Residue-wise Data for Jind ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	28.3	9.6	107.4	96.7	13.5
Cotton	Bollshell	28.3	9.6	10.5	9.4	1.3
Cotton	Husk	28.3	9.6	10.5	9.4	1.3
Others	Others	1.4	7.4	0.37	0.093	0.013
Total		29.6	17.0	128.7	115.6	16.2

Taluk level Residue-wise Data for Narwana ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	5.8	2.0	22.1	19.9	2.8
Cotton	Bollshell	5.8	2.0	2.2	1.9	0.27
Cotton	Husk	5.8	2.0	2.2	1.9	0.27
Sugarcane	Tops & Leaves	5.7	30.4	1.5	0.38	0.053
Total		11.5	32.4	27.9	24.1	3.4

Taluk level Residue-wise Data for Safidon ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	4.9	1.7	18.4	16.6	2.3
Cotton	Bollshell	4.9	1.7	1.8	1.6	0.23
Cotton	Husk	4.9	1.7	1.8	1.6	0.23
Others	Others	0.16	0.87	0.044	0.011	0.0015
Total		5.0	2.5	22.1	19.8	2.8

Taluk level Residue-wise Data for Gulha ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.55	1.4	2.1	1.9	0.26
Cotton	Bollshell	0.55	1.4	1.5	1.4	0.19
Cotton	Husk	0.55	1.4	1.5	1.4	0.19
Others	Others	4.3	27.4	1.4	0.34	0.048
Total		4.9	28.7	6.5	5.0	0.69

Taluk level Residue-wise Data for Kaithal ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.26	0.65	0.98	0.88	0.12
Cotton	Bollshell	0.26	0.65	0.71	0.64	0.089
Cotton	Husk	0.26	0.65	0.71	0.64	0.089
Others	Others	0.34	2.1	0.11	0.027	0.0037
Total		0.60	2.8	2.5	2.2	0.31

Taluk level Residue-wise Data for Asandh ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	7.7	49.6	2.5	0.62	0.087
Total		7.7	49.6	2.5	0.62	0.087

Taluk level Residue-wise Data for Karnal ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	2.1	13.6	0.68	0.17	0.024
Total		2.1	13.6	0.68	0.17	0.024

Taluk level Residue-wise Data for Pehowa ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	2.2	14.2	0.71	0.18	0.025
Total		2.2	14.2	0.71	0.18	0.025

Taluk level Residue-wise Data for Thanesar ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	13.8	89.8	4.5	1.1	0.16
Total		13.8	89.8	4.5	1.1	0.16

Taluk level Residue-wise Data for Mahendragarh ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.65	0.86	2.5	2.2	0.31
Cotton	Bollshell	0.65	0.86	0.95	0.86	0.12
Cotton	Husk	0.65	0.86	0.95	0.86	0.12
Total		0.65	0.86	4.4	3.9	0.55

Taluk level Residue-wise Data for Narnaul ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.85	1.1	3.2	2.9	0.41
Cotton	Bollshell	0.85	1.1	1.2	1.1	0.16
Cotton	Husk	0.85	1.1	1.2	1.1	0.16
Total		0.85	1.1	5.7	5.2	0.72

Taluk level Residue-wise Data for Kalka ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Others	Others	0.81	6.1	0.31	0.076	0.011
Total		0.81	6.1	0.31	0.076	0.011

Taluk level Residue-wise Data for Kosli ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.12	0.39	0.47	0.42	0.059
Cotton	Bollshell	0.12	0.39	0.43	0.38	0.054
Cotton	Husk	0.12	0.39	0.43	0.38	0.054
Total		0.12	0.39	1.3	1.2	0.17

Taluk level Residue-wise Data for Rewari ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	1.5	4.7	5.7	5.1	0.72
Cotton	Bollshell	1.5	4.7	5.2	4.6	0.65
Cotton	Husk	1.5	4.7	5.2	4.6	0.65
Total		1.5	4.7	16.0	14.4	2.0

Taluk level Residue-wise Data for Maham ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	6.9	1.4	26.1	23.4	3.3
Cotton	Bollshell	6.9	1.4	1.5	1.4	0.19
Cotton	Husk	6.9	1.4	1.5	1.4	0.19
Others	Others	3.6	18.1	0.90	0.23	0.032
Total		10.4	19.4	30.0	26.4	3.7

Taluk level Residue-wise Data for Rohtak ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	6.2	1.2	23.4	21.0	2.9
Cotton	Bollshell	6.2	1.2	1.3	1.2	0.17
Cotton	Husk	6.2	1.2	1.3	1.2	0.17
Sugarcane	Tops & Leaves	10.1	50.9	2.5	0.64	0.089
Total		16.2	52.1	28.6	24.1	3.4

Taluk level Residue-wise Data for Dabwali ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	8.3	3.7	31.7	28.5	4.0
Cotton	Bollshell	8.3	3.7	4.1	3.7	0.52
Cotton	Husk	8.3	3.7	4.1	3.7	0.52
Total		8.3	3.7	39.9	35.9	5.0

Taluk level Residue-wise Data for Sirsa ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	191.6	86.2	728.1	655.3	91.7
Cotton	Bollshell	191.6	86.2	95.2	85.7	12.0
Cotton	Husk	191.6	86.2	95.2	85.7	12.0
Total		191.6	86.2	918.4	826.6	115.7

Taluk level Residue-wise Data for Gohana ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.72	0.24	2.7	2.5	0.34
Others	Others	0	0	0.54	0.48	0.068
Sugarcane	Tops & Leaves	6.7	37.1	1.9	0.46	0.065
Total		7.4	37.3	5.1	3.4	0.48

Taluk level Residue-wise Data for Sonipat ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.30	0.10	1.1	1.0	0.14
Others	Others	1.8	10.1	0.73	0.33	0.046
Total		2.1	10.2	1.9	1.4	0.19

Taluk level Residue-wise Data for Jagadiri ; Season : Yearly						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sugarcane	Tops & Leaves	39.5	220.2	11.0	2.8	0.39
Total		39.5	220.2	11.0	2.8	0.39

Agro

State Level Residue Wise

State level Residue-wise Data for Haryana; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	2301.1	9466.8	14204.6	2840.9	369.3
Paddy	Straw	980.7	2538.8	3807.5	3046.0	365.5
Cotton	Stalks	549.3	242.3	2087.3	1878.6	263.0
Wheat	Pod	2301.1	9466.8	2840.9	568.2	79.5
Mustard	Stalks	305.8	412.9	743.4	594.8	77.3
Paddy	Husk	980.7	2538.8	507.7	406.1	44.7
Mustard	Husk	305.8	412.9	371.7	353.1	42.4
Cotton	Bollshell	549.3	242.3	266.0	239.4	33.5
Cotton	Husk	549.3	242.3	266.0	239.4	33.5
Bajra	Stalks	574.6	622.3	1242.4	248.5	32.3
Bajra	Cobs	574.6	622.3	205.0	102.5	13.3
Oilseeds	Stalks	313.0	419.5	838.2	83.8	10.1
Bajra	Husk	574.6	622.3	186.4	46.6	5.6
Sugarcane	Tops & Leaves	127.8	728.9	36.4	9.1	1.3
Maize	Cobs	13.4	30.2	15.1	7.6	1.1
Maize	Stalks	13.4	30.2	60.5	6.1	0.79
Gram	Stalks	15.9	9.5	10.0	5.0	0.65
Jowar	Stalks	90.6	20.2	34.4	3.4	0.45
Jowar	Cobs	90.6	20.2	10.1	2.0	0.28
Jowar	Husk	90.6	20.2	4.0	2.0	0.24
Barley	Stalks	4.2	11.8	15.3	1.5	0.20
Pulses	Stalks	6.1	6.1	7.9	0.79	0.10
Total		5282.5	14509.3	27760.8	10685.4	1375.1

State Level District Wise

State level District-wise Data for Haryana ; Biomass Class : Agro					
District	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	512.7	1253.8	3053.6	1388.9	188.0
Fatehabad	373.1	1059.0	2316.8	1042.5	137.5
Hisar	406.1	1007.7	2408.7	963.5	131.1
Karnal	342.8	1290.1	2169.2	896.2	110.1
Bhiwani	633.2	943.5	2154.6	833.0	108.8
Jind	414.9	1243.5	2362.1	840.0	107.8
Kaithal	287.1	1016.8	1750.1	676.2	83.6
Kurukshetra	234.3	957.7	1506.8	653.2	80.0
Sonapat	256.0	770.4	1309.7	416.1	52.3
Ambala	176.0	600.6	904.4	404.0	49.4
Panipat	161.2	579.7	1024.9	395.6	48.8
Rewari	210.7	474.1	1010.8	372.4	47.7
Gurgaon	242.4	614.1	1216.2	336.0	43.5
Faridabad	213.3	696.7	1202.8	332.7	42.3
Mahendragarh	252.1	322.3	766.9	317.4	40.3
Yamunanagar	165.3	627.8	732.9	318.9	39.1
Rohtak	211.5	529.6	914.1	282.4	36.7
Jhajjar	165.5	455.1	837.0	174.6	23.0
Panchkula	24.4	66.9	119.2	41.6	5.2
Total	5282.5	14509.3	27760.8	10685.4	1375.1

State Level Taluk Wise

State level Taluk-wise Data for Haryana ; Biomass Class : Agro						
District	Taluk	Area (Kha)	Crop Production (Kt/Yr)	Biomass Generation (Kt/Yr)	Biomass Surplus (Kt/Yr)	Power Potential (Mwe)
Sirsa	Sirsa	468.9	1138.2	2814.4	1273.7	173.3
Karnal	Karnal	269.2	1013.7	1769.8	696.7	85.9
Fatehabad	Fatehabad	212.6	569.8	1356.3	586.8	79.6
Hisar	Hansi	152.5	146.9	752.3	556.1	77.4
Kaithal	Kaithal	224.1	777.8	1371.0	538.8	66.5
Jind	Narwana	253.1	778.7	1381.0	505.2	63.2
Kurukshetra	Thanesar	158.1	652.0	992.7	436.5	53.4
Hisar	Hisar	253.5	860.7	1656.3	407.4	53.7
Panipat	Panipat	161.2	579.7	1024.9	395.6	48.8
Yamunanagar	Jagadiri	165.3	627.8	732.9	318.9	39.1
Bhiwani	Loharu	149.6	226.6	618.0	276.7	37.9
Bhiwani	Dadri	179.1	232.5	544.3	274.6	34.9
Ambala	Ambala	116.2	402.3	587.4	256.7	31.4
Jind	Jind	106.2	278.4	613.9	238.9	32.0
Sonipat	Gohana	135.0	412.8	676.7	237.7	29.7
Mahendragarh	Mahendragarh	135.3	159.6	412.1	235.0	29.8
Fatehabad	Ratia	68.2	195.5	383.4	234.7	29.2
Fatehabad	Tohana	92.2	293.8	577.1	221.0	28.8
Kurukshetra	Pehowa	76.2	305.7	514.1	216.7	26.6
Rewari	Rewari	112.9	315.7	638.7	210.4	27.2
Karnal	Asandh	73.5	276.4	399.4	199.5	24.2
Rohtak	Rohtak	138.0	361.2	607.3	177.5	23.0
Faridabad	Palwal	102.4	324.2	573.8	168.0	21.2
Bhiwani	Bhiwani	141.2	237.9	489.3	163.5	20.9
Ambala	Narayangarh	59.9	198.3	317.0	147.3	18.0
Kaithal	Gulha	63.0	239.0	379.1	137.4	17.1
Jhajjar	Jhajjar	126.5	362.9	657.1	134.9	17.7
Gurgaon	Gurgaon	95.7	265.2	508.5	124.0	16.1
Sirsa	Dabwali	43.9	115.6	239.2	115.2	14.8
Sonipat	Sonipat	83.4	244.4	430.7	111.5	14.3
Rohtak	Maham	73.5	168.4	306.8	104.9	13.7
Faridabad	Ballabgarh	68.7	226.2	367.6	102.2	13.0
Jind	Safidon	55.6	186.4	367.3	95.9	12.7
Rewari	Kosli	76.6	123.2	278.6	90.6	11.4

District	Taluk	Area (Kha)	Crop Production (Kt/Yr)	Biomass Generation (Kt/Yr)	Biomass Surplus (Kt/Yr)	Power Potential (Mwe)
Mahendragarh	Narnaul	116.9	162.7	354.8	82.4	10.5
Gurgaon	Nuh	64.3	176.8	340.1	78.9	10.3
Rewari	Bawal	21.1	35.1	93.6	71.4	9.0
Bhiwani	Siwani	63.6	134.3	259.6	68.2	8.8
Sonipat	Ganaur	37.6	113.2	202.4	66.9	8.4
Gurgaon	Firozpur Jhirka	54.5	124.4	253.1	66.6	8.6
Gurgaon	Pataudi	27.9	47.7	114.5	66.5	8.4
Faridabad	Hathin	42.3	146.3	261.4	62.5	8.1
Bhiwani	Bawani Khera	99.7	112.1	243.3	50.0	6.3
Panchkula	Kalka	24.4	66.9	119.2	41.6	5.2
Jhajjar	Bahadurgarh	39.0	92.3	179.9	39.8	5.2
Total		5282.5	14509.3	27760.8	10685.4	1375.1

District Level Residue Wise

District level Residue-wise Data for Ambala; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	71.9	217.2	325.5	260.4	31.3
Wheat	Stalks	79.3	275.9	414.0	82.8	10.8
Paddy	Husk	71.9	217.2	43.4	34.7	3.8
Wheat	Pod	79.3	275.9	82.8	16.6	2.3
Maize	Cobs	4.5	10.2	5.1	2.5	0.36
Mustard	Stalks	1.4	1.4	2.6	2.1	0.27
Maize	Stalks	4.5	10.2	20.4	2.0	0.26
Sugarcane	Tops & Leaves	15.8	92.9	4.6	1.2	0.16
Mustard	Husk	1.4	1.4	1.3	1.2	0.15
Others	Others	3.1	3.1	4.7	0.47	0.059
Total		176.0	600.6	904.4	404.0	49.4

District level Residue-wise Data for Bhiwani; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	109.0	131.9	237.9	190.3	24.7
Cotton	Stalks	47.8	18.6	181.6	163.5	22.9
Wheat	Stalks	144.7	476.1	714.5	142.9	18.6
Mustard	Husk	109.0	131.9	119.0	113.0	13.6
Bajra	Stalks	200.8	156.6	312.3	62.5	8.1
Wheat	Pod	144.7	476.1	142.9	28.6	4.0
Bajra	Cobs	200.8	156.6	51.5	25.8	3.3
Oilseeds	Stalks	109.0	131.9	264.1	26.4	3.2
Paddy	Straw	8.2	20.2	30.3	24.2	2.9
Cotton	Bollshell	47.8	18.6	20.5	18.5	2.6
Cotton	Husk	47.8	18.6	20.5	18.5	2.6
Bajra	Husk	200.8	156.6	46.8	11.7	1.4
Gram	Stalks	13.5	7.5	7.9	4.0	0.51
Paddy	Husk	8.2	20.2	4.0	3.2	0.36
Others	Others	0.21	0.51	0.66	0.066	0.0085
Total		633.2	943.5	2154.6	833.0	108.8

District level Residue-wise Data for Faridabad; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	133.9	539.6	809.0	161.8	21.0
Paddy	Straw	28.9	80.1	120.1	96.0	11.5
Wheat	Pod	133.9	539.6	161.8	32.4	4.5
Paddy	Husk	28.9	80.1	16.0	12.8	1.4
Mustard	Stalks	3.8	6.0	10.8	8.7	1.1
Bajra	Stalks	14.4	19.3	38.5	7.7	1.0
Mustard	Husk	3.8	6.0	5.4	5.2	0.62
Bajra	Cobs	14.4	19.3	6.3	3.2	0.41
Bajra	Husk	14.4	19.3	5.8	1.4	0.17
Oilseeds	Stalks	4.0	6.0	12.0	1.2	0.14
Barley	Stalks	1.9	6.1	7.9	0.79	0.10
Others	Others	0	0	2.1	0.61	0.079
Jowar	Stalks	18.8	3.0	5.2	0.52	0.068
Sugarcane	Tops & Leaves	7.5	36.7	1.8	0.46	0.064
Total		213.3	696.7	1202.8	332.7	42.3

District level Residue-wise Data for Fatehabad; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	108.0	49.7	410.2	369.2	51.7
Wheat	Stalks	173.6	756.9	1135.6	227.1	29.5
Paddy	Straw	61.5	199.9	299.5	239.6	28.8
Cotton	Bollshell	108.0	49.7	54.2	48.8	6.8
Cotton	Husk	108.0	49.7	54.2	48.8	6.8
Wheat	Pod	173.6	756.9	227.1	45.4	6.4
Paddy	Husk	61.5	199.9	39.9	31.9	3.5
Mustard	Stalks	5.5	8.2	14.9	11.9	1.5
Mustard	Husk	5.5	8.2	7.4	7.1	0.85
Bajra	Stalks	10.4	14.1	28.2	5.6	0.73
Oilseeds	Stalks	12.0	18.0	36.0	3.6	0.43
Bajra	Cobs	10.4	14.1	4.7	2.3	0.30
Bajra	Husk	10.4	14.1	4.2	1.1	0.13
Others	Others	2.1	12.1	0.62	0.15	0.021
Total		373.1	1059.0	2316.8	1042.5	137.5

District level Residue-wise Data for Gurgaon; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	136.7	481.0	722.3	144.5	18.8
Mustard	Stalks	32.2	48.4	86.8	69.4	9.0
Mustard	Husk	32.2	48.4	43.4	41.2	4.9
Bajra	Stalks	65.9	79.7	158.8	31.8	4.1
Wheat	Pod	136.7	481.0	144.5	28.9	4.0
Bajra	Cobs	65.9	79.7	26.2	13.1	1.7
Bajra	Husk	65.9	79.7	23.8	6.0	0.71
Oilseeds	Stalks	2.6	4.0	7.9	0.79	0.095
Others	Others	5.0	1.1	2.5	0.38	0.050
Total		242.4	614.1	1216.2	336.0	43.5

District level Residue-wise Data for Hisar; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	135.1	56.7	513.4	462.0	64.7
Wheat	Stalks	198.5	849.4	1274.9	255.0	33.1
Cotton	Bollshell	135.1	56.7	62.1	55.9	7.8
Cotton	Husk	135.1	56.7	62.1	55.9	7.8
Wheat	Pod	198.5	849.4	255.0	51.0	7.1
Bajra	Stalks	58.5	74.8	149.2	29.8	3.9
Paddy	Straw	13.9	26.2	39.3	31.5	3.8
Bajra	Cobs	58.5	74.8	24.6	12.3	1.6
Bajra	Husk	58.5	74.8	22.4	5.6	0.67
Paddy	Husk	13.9	26.2	5.2	4.2	0.46
Others	Others	0.19	0.56	0.42	0.32	0.040
Total		406.1	1007.7	2408.7	963.5	131.1

District level Residue-wise Data for Jhajjar; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	105.2	401.8	603.4	120.7	15.7
Wheat	Pod	105.2	401.8	120.7	24.1	3.4
Bajra	Stalks	20.2	22.0	44.0	8.8	1.1
Cotton	Stalks	1.6	2.0	6.2	5.6	0.78
Bajra	Cobs	20.2	22.0	7.3	3.6	0.47
Oilseeds	Stalks	7.5	11.8	23.7	2.4	0.28
Cotton	Husk	1.6	2.0	2.2	2.0	0.28
Cotton	Bollshell	1.6	2.0	2.2	2.0	0.28
Bajra	Husk	20.2	22.0	6.6	1.7	0.20
Jowar	Stalks	28.7	8.0	13.7	1.4	0.18
Jowar	Cobs	28.7	8.0	4.0	0.81	0.11
Jowar	Husk	28.7	8.0	1.6	0.81	0.097
Paddy	Straw	0.25	0.38	0.56	0.45	0.054
Others	Others	2.0	9.1	0.71	0.33	0.042
Total		165.5	455.1	837.0	174.6	23.0

District level Residue-wise Data for Jind; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	207.0	892.2	1339.9	268.0	34.8
Paddy	Straw	112.6	224.0	335.8	268.7	32.2
Cotton	Stalks	38.9	13.2	147.9	133.1	18.6
Wheat	Pod	207.0	892.2	268.0	53.6	7.5
Paddy	Husk	112.6	224.0	44.8	35.8	3.9
Bajra	Stalks	41.0	65.2	130.2	26.0	3.4
Cotton	Bollshell	38.9	13.2	14.4	13.0	1.8
Cotton	Husk	38.9	13.2	14.4	13.0	1.8
Bajra	Cobs	41.0	65.2	21.5	10.7	1.4
Mustard	Stalks	4.2	5.1	9.2	7.3	0.95
Bajra	Husk	41.0	65.2	19.5	4.9	0.59
Mustard	Husk	4.2	5.1	4.6	4.4	0.52
Oilseeds	Stalks	4.0	5.0	10.1	1.0	0.12
Sugarcane	Tops & Leaves	7.2	38.7	1.9	0.48	0.068
Total		414.9	1243.5	2362.1	840.0	107.8

District level Residue-wise Data for Kaithal; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	132.1	314.4	471.9	377.5	45.3
Wheat	Stalks	149.4	670.8	1005.0	201.0	26.1
Wheat	Pod	149.4	670.8	201.0	40.2	5.6
Paddy	Husk	132.1	314.4	62.9	50.3	5.5
Cotton	Stalks	0.81	2.0	3.1	2.8	0.39
Cotton	Bollshell	0.81	2.0	2.2	2.0	0.28
Cotton	Husk	0.81	2.0	2.2	2.0	0.28
Sugarcane	Tops & Leaves	4.7	29.5	1.5	0.37	0.052
Others	Others	0.12	0.15	0.33	0.054	0.0067
Total		287.1	1016.8	1750.1	676.2	83.6

District level Residue-wise Data for Karnal; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	160.6	451.3	677.0	541.6	65.0
Wheat	Stalks	166.5	769.5	1153.8	230.8	30.0
Paddy	Husk	160.6	451.3	90.3	72.2	7.9
Wheat	Pod	166.5	769.5	230.8	46.2	6.5
Mustard	Stalks	0.92	1.0	1.8	1.5	0.19
Bajra	Stalks	2.9	3.1	6.1	1.2	0.16
Sugarcane	Tops & Leaves	9.8	63.2	3.2	0.79	0.11
Mustard	Husk	0.92	1.0	0.92	0.87	0.10
Others	Others	2.0	2.0	4.3	0.57	0.069
Bajra	Cobs	2.9	3.1	1.0	0.50	0.066
Total		342.8	1290.1	2169.2	896.2	110.1

District level Residue-wise Data for Kurukshetra; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	108.0	344.4	517.2	413.7	49.6
Wheat	Stalks	109.3	508.2	761.8	152.4	19.8
Paddy	Husk	108.0	344.4	69.0	55.2	6.1
Wheat	Pod	109.3	508.2	152.4	30.5	4.3
Sugarcane	Tops & Leaves	16.0	104.0	5.2	1.3	0.18
Others	Others	1.0	1.0	1.3	0.13	0.017
Total		234.3	957.7	1506.8	653.2	80.0

District level Residue-wise Data for Mahendragarh; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	78.4	94.0	169.3	135.5	17.6
Mustard	Husk	78.4	94.0	84.7	80.4	9.7
Bajra	Stalks	84.1	94.1	187.7	37.5	4.9
Oilseeds	Stalks	78.0	94.4	188.1	18.8	2.3
Bajra	Cobs	84.1	94.1	31.0	15.5	2.0
Wheat	Stalks	10.2	37.7	56.5	11.3	1.5
Bajra	Husk	84.1	94.1	28.2	7.0	0.84
Cotton	Stalks	1.5	2.0	5.7	5.1	0.72
Wheat	Pod	10.2	37.7	11.3	2.3	0.32
Cotton	Bollshell	1.5	2.0	2.2	2.0	0.28
Cotton	Husk	1.5	2.0	2.2	2.0	0.28
Others	Others	2.40E-05	2.57E-05	2.69E-05	1.34E-05	1.75E-06
Total		252.1	322.3	766.9	317.4	40.3

District level Residue-wise Data for Panchkula; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	6.3	18.2	27.3	21.9	2.6
Wheat	Stalks	10.0	26.6	39.9	8.0	1.0
Maize	Cobs	7.3	16.0	8.0	4.0	0.56
Maize	Stalks	7.3	16.0	32.0	3.2	0.42
Paddy	Husk	6.3	18.2	3.6	2.9	0.32
Wheat	Pod	10.0	26.6	8.0	1.6	0.22
Others	Others	0.82	6.1	0.31	0.082	0.011
Total		24.4	66.9	119.2	41.6	5.2

District level Residue-wise Data for Panipat; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	77.4	187.4	280.6	224.5	26.9
Wheat	Stalks	82.7	391.3	587.4	117.5	15.3
Paddy	Husk	77.4	187.4	37.4	29.9	3.3
Wheat	Pod	82.7	391.3	117.5	23.5	3.3
Others	Others	1.0	1.0	2.0	0.20	0.024
Total		161.2	579.7	1024.9	395.6	48.8

District level Residue-wise Data for Rewari; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	54.5	97.0	174.6	139.7	18.2
Mustard	Husk	54.5	97.0	87.3	82.9	10.0
Wheat	Stalks	55.0	228.6	343.0	68.6	8.9
Bajra	Stalks	48.5	52.4	105.3	21.1	2.7
Oilseeds	Stalks	51.0	90.8	181.4	18.1	2.2
Wheat	Pod	55.0	228.6	68.6	13.7	1.9
Bajra	Cobs	48.5	52.4	17.4	8.7	1.1
Cotton	Stalks	1.6	5.1	6.2	5.5	0.78
Cotton	Bollshell	1.6	5.1	5.6	5.0	0.70
Cotton	Husk	1.6	5.1	5.6	5.0	0.70
Bajra	Husk	48.5	52.4	15.8	3.9	0.47
Others	Others	0.043	0.14	0.19	0.019	0.0024
Total		210.7	474.1	1010.8	372.4	47.7

District level Residue-wise Data for Rohtak; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	92.9	356.8	535.0	107.0	13.9
Cotton	Stalks	13.0	2.6	49.4	44.5	6.2
Paddy	Straw	23.9	36.1	54.0	43.2	5.2
Wheat	Pod	92.9	356.8	107.0	21.4	3.0
Mustard	Stalks	10.8	14.1	25.2	20.2	2.6
Mustard	Husk	10.8	14.1	12.6	12.0	1.4
Bajra	Stalks	16.1	24.9	49.8	10.0	1.3
Paddy	Husk	23.9	36.1	7.2	5.8	0.63
Bajra	Cobs	16.1	24.9	8.2	4.1	0.53
Cotton	Bollshell	13.0	2.6	2.9	2.6	0.36
Cotton	Husk	13.0	2.6	2.9	2.6	0.36
Oilseeds	Stalks	11.0	14.0	28.1	2.8	0.34
Bajra	Husk	16.1	24.9	7.5	1.9	0.22
Gram	Stalks	2.4	2.0	2.1	1.1	0.14
Sugarcane	Tops & Leaves	13.7	68.9	3.4	0.86	0.12
Jowar	Stalks	25.7	5.1	8.6	0.86	0.11
Barley	Stalks	2.0	5.0	6.5	0.65	0.085
Jowar	Cobs	25.7	5.1	2.5	0.51	0.071
Jowar	Husk	25.7	5.1	1.0	0.51	0.061
Total		211.5	529.6	914.1	282.4	36.7

District level Residue-wise Data for Sirsa; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	199.9	90.0	759.7	683.8	95.7
Wheat	Stalks	244.3	1013.9	1522.5	304.5	39.6
Paddy	Straw	40.1	111.7	167.6	134.0	16.1
Cotton	Bollshell	199.9	90.0	99.3	89.4	12.5
Cotton	Husk	199.9	90.0	99.3	89.4	12.5
Wheat	Pod	244.3	1013.9	304.5	60.9	8.5
Paddy	Husk	40.1	111.7	22.3	17.9	2.0
Oilseeds	Stalks	25.5	35.2	70.3	7.0	0.84
Bajra	Stalks	2.9	3.0	6.0	1.2	0.16
Bajra	Cobs	2.9	3.0	0.99	0.50	0.064
Others	Others	0.025	0.035	0.99	0.30	0.037
Total		512.7	1253.8	3053.6	1388.9	188.0

District level Residue-wise Data for Sonipat; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	139.7	558.6	838.0	167.6	21.8
Paddy	Straw	78.8	141.0	211.0	168.8	20.3
Wheat	Pod	139.7	558.6	167.6	33.5	4.7
Paddy	Husk	78.8	141.0	28.1	22.5	2.5
Mustard	Stalks	3.9	4.1	7.3	5.9	0.76
Bajra	Stalks	7.6	12.0	24.1	4.8	0.63
Cotton	Stalks	1.0	0.35	3.9	3.5	0.49
Mustard	Husk	3.9	4.1	3.7	3.5	0.42
Bajra	Cobs	7.6	12.0	4.0	2.0	0.26
Others	Others	0	0	2.9	1.3	0.18
Bajra	Husk	7.6	12.0	3.6	0.90	0.11
Oilseeds	Stalks	4.1	4.1	8.2	0.82	0.098
Sugarcane	Tops & Leaves	8.5	47.2	2.4	0.59	0.083
Jowar	Stalks	12.5	3.0	5.2	0.52	0.067
Total		256.0	770.4	1309.7	416.1	52.3

District level Residue-wise Data for Yamunanagar; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	56.4	166.2	249.8	199.8	24.0
Wheat	Stalks	62.3	231.9	347.9	69.6	9.0
Paddy	Husk	56.4	166.2	33.3	26.6	2.9
Wheat	Pod	62.3	231.9	69.6	13.9	1.9
Sugarcane	Tops & Leaves	39.5	220.2	11.0	2.8	0.39
Mustard	Stalks	1.0	1.4	2.6	2.0	0.27
Mustard	Husk	1.0	1.4	1.3	1.2	0.15
Maize	Cobs	1.6	4.1	2.0	1.0	0.14
Maize	Stalks	1.6	4.1	8.1	0.81	0.11
Others	Others	3.0	3.0	5.3	0.71	0.089
Bajra	Stalks	1.5	1.0	2.0	0.41	0.053
Total		165.3	627.8	732.9	318.9	39.1

District Level Taluk Wise

DistrictLevel Taluk-wise Data for Ambala ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ambala	116.2	402.3	587.4	256.7	31.4
Narayangarh	59.9	198.3	317.0	147.3	18.0
Total	176.0	600.6	904.4	404.0	49.4

DistrictLevel Taluk-wise Data for Bhiwani ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Loharu	149.6	226.6	618.0	276.7	37.9
Dadri	179.1	232.5	544.3	274.6	34.9
Bhiwani	141.2	237.9	489.3	163.5	20.9
Siwani	63.6	134.3	259.6	68.2	8.8
Bawani Khera	99.7	112.1	243.3	50.0	6.3
Total	633.2	943.5	2154.6	833.0	108.8

DistrictLevel Taluk-wise Data for Faridabad ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Palwal	102.4	324.2	573.8	168.0	21.2
Ballabgarh	68.7	226.2	367.6	102.2	13.0
Hathin	42.3	146.3	261.4	62.5	8.1
Total	213.3	696.7	1202.8	332.7	42.3

DistrictLevel Taluk-wise Data for Fatehabad ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Fatehabad	212.6	569.8	1356.3	586.8	79.6
Ratia	68.2	195.5	383.4	234.7	29.2
Tohana	92.2	293.8	577.1	221.0	28.8
Total	373.1	1059.0	2316.8	1042.5	137.5

DistrictLevel Taluk-wise Data for Gurgaon ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gurgaon	95.7	265.2	508.5	124.0	16.1
Nuh	64.3	176.8	340.1	78.9	10.3
Firozpur Jhirka	54.5	124.4	253.1	66.6	8.6
Pataudi	27.9	47.7	114.5	66.5	8.4
Total	242.4	614.1	1216.2	336.0	43.5

DistrictLevel Taluk-wise Data for Hisar ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Hansi	152.5	146.9	752.3	556.1	77.4
Hisar	253.5	860.7	1656.3	407.4	53.7
Total	406.1	1007.7	2408.7	963.5	131.1

DistrictLevel Taluk-wise Data for Jhajjar ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jhajjar	126.5	362.9	657.1	134.9	17.7
Bahadurgarh	39.0	92.3	179.9	39.8	5.2
Total	165.5	455.1	837.0	174.6	23.0

DistrictLevel Taluk-wise Data for Jind ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narwana	253.1	778.7	1381.0	505.2	63.2
Jind	106.2	278.4	613.9	238.9	32.0
Safidon	55.6	186.4	367.3	95.9	12.7
Total	414.9	1243.5	2362.1	840.0	107.8

DistrictLevel Taluk-wise Data for Kaithal ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kaithal	224.1	777.8	1371.0	538.8	66.5
Gulha	63.0	239.0	379.1	137.4	17.1
Total	287.1	1016.8	1750.1	676.2	83.6

DistrictLevel Taluk-wise Data for Karnal ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Karnal	269.2	1013.7	1769.8	696.7	85.9
Asandh	73.5	276.4	399.4	199.5	24.2
Total	342.8	1290.1	2169.2	896.2	110.1

DistrictLevel Taluk-wise Data for Kurukshetra ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Thanesar	158.1	652.0	992.7	436.5	53.4
Pehowa	76.2	305.7	514.1	216.7	26.6
Total	234.3	957.7	1506.8	653.2	80.0

DistrictLevel Taluk-wise Data for Mahendragarh ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mahendragarh	135.3	159.6	412.1	235.0	29.8
Narnaul	116.9	162.7	354.8	82.4	10.5
Total	252.1	322.3	766.9	317.4	40.3

DistrictLevel Taluk-wise Data for Panchkula ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kalka	24.4	66.9	119.2	41.6	5.2
Total	24.4	66.9	119.2	41.6	5.2

DistrictLevel Taluk-wise Data for Panipat ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Panipat	161.2	579.7	1024.9	395.6	48.8
Total	161.2	579.7	1024.9	395.6	48.8

DistrictLevel Taluk-wise Data for Rewari ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rewari	112.9	315.7	638.7	210.4	27.2
Kosli	76.6	123.2	278.6	90.6	11.4
Bawal	21.1	35.1	93.6	71.4	9.0
Total	210.7	474.1	1010.8	372.4	47.7

DistrictLevel Taluk-wise Data for Rohtak ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rohtak	138.0	361.2	607.3	177.5	23.0
Maham	73.5	168.4	306.8	104.9	13.7
Total	211.5	529.6	914.1	282.4	36.7

DistrictLevel Taluk-wise Data for Sirsa ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	468.9	1138.2	2814.4	1273.7	173.3
Dabwali	43.9	115.6	239.2	115.2	14.8
Total	512.7	1253.8	3053.6	1388.9	188.0

DistrictLevel Taluk-wise Data for Sonipat ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gohana	135.0	412.8	676.7	237.7	29.7
Sonipat	83.4	244.4	430.7	111.5	14.3
Ganaur	37.6	113.2	202.4	66.9	8.4
Total	256.0	770.4	1309.7	416.1	52.3

DistrictLevel Taluk-wise Data for Yamunanagar ; Biomass Class : Agro					
Taluk	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jagadiri	165.3	627.8	732.9	318.9	39.1
Total	165.3	627.8	732.9	318.9	39.1

Taluk Level Residue Wise

Taluk level Residue-wise Data for Ambala ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	44.5	134.4	201.5	161.2	19.3
Wheat	Stalks	55.0	191.4	287.2	57.4	7.5
Paddy	Husk	44.5	134.4	26.9	21.5	2.4
Wheat	Pod	55.0	191.4	57.4	11.5	1.6
Mustard	Stalks	1.4	1.4	2.6	2.1	0.27
Mustard	Husk	1.4	1.4	1.3	1.2	0.15
Others	Others	3.1	3.8	6.9	0.97	0.13
Sugarcane	Tops & Leaves	12.1	71.2	3.6	0.89	0.12
Total		116.2	402.3	587.4	256.7	31.4

Taluk level Residue-wise Data for Narayangarh ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	27.4	82.8	124.1	99.2	11.9
Wheat	Stalks	24.3	84.5	126.8	25.4	3.3
Paddy	Husk	27.4	82.8	16.5	13.2	1.5
Wheat	Pod	24.3	84.5	25.4	5.1	0.71
Maize	Cobs	3.9	8.8	4.4	2.2	0.31
Maize	Stalks	3.9	8.8	17.6	1.8	0.23
Others	Others	4.3	22.3	2.3	0.39	0.052
Total		59.9	198.3	317.0	147.3	18.0

Taluk level Residue-wise Data for Bawani Khera ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	46.9	36.6	73.0	14.6	1.9
Oilseeds	Stalks	44.3	53.7	107.4	10.7	1.3
Bajra	Cobs	46.9	36.6	12.0	6.0	0.78
Paddy	Straw	2.2	5.4	8.0	6.4	0.77
Wheat	Stalks	4.5	14.9	22.3	4.5	0.58
Bajra	Husk	46.9	36.6	10.9	2.7	0.33
Mustard	Stalks	0.98	1.2	2.1	1.7	0.22
Wheat	Pod	4.5	14.9	4.5	0.89	0.13
Mustard	Husk	0.98	1.2	1.1	1.0	0.12
Paddy	Husk	2.2	5.4	1.1	0.86	0.094
Others	Others	0.74	0.45	0.81	0.51	0.069
Total		99.7	112.1	243.3	50.0	6.3

Taluk level Residue-wise Data for Bhiwani ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	26.9	32.6	58.7	47.0	6.1
Wheat	Stalks	39.5	129.8	194.9	39.0	5.1
Mustard	Husk	26.9	32.6	29.4	27.9	3.3
Bajra	Stalks	38.3	29.9	59.6	11.9	1.6
Paddy	Straw	3.6	8.8	13.2	10.6	1.3
Wheat	Pod	39.5	129.8	39.0	7.8	1.1
Oilseeds	Stalks	28.3	34.2	68.4	6.8	0.82
Bajra	Cobs	38.3	29.9	9.8	4.9	0.64
Cotton	Stalks	0.67	0.26	2.5	2.3	0.32
Bajra	Husk	38.3	29.9	8.9	2.2	0.27
Paddy	Husk	3.6	8.8	1.8	1.4	0.16
Gram	Stalks	4.0	2.2	2.3	1.2	0.15
Others	Others	0.039	0.093	0.70	0.53	0.074
Total		141.2	237.9	489.3	163.5	20.9

Taluk level Residue-wise Data for Dadri ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	73.9	89.4	161.2	129.0	16.8
Mustard	Husk	73.9	89.4	80.6	76.6	9.2
Wheat	Stalks	21.2	69.7	104.6	20.9	2.7
Bajra	Stalks	57.5	44.9	89.5	17.9	2.3
Bajra	Cobs	57.5	44.9	14.8	7.4	0.96
Cotton	Stalks	1.5	0.59	5.7	5.1	0.72
Wheat	Pod	21.2	69.7	20.9	4.2	0.59
Oilseeds	Stalks	18.7	22.6	45.2	4.5	0.54
Bajra	Husk	57.5	44.9	13.4	3.4	0.40
Paddy	Straw	0.86	2.1	3.2	2.6	0.31
Gram	Stalks	5.3	3.0	3.1	1.6	0.20
Cotton	Bollshell	1.5	0.59	0.65	0.58	0.081
Cotton	Husk	1.5	0.59	0.65	0.58	0.081
Others	Others	0.11	0.27	0.77	0.38	0.042
Total		179.1	232.5	544.3	274.6	34.9

Taluk level Residue-wise Data for Loharu ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	44.8	17.5	170.4	153.3	21.5
Wheat	Stalks	49.5	162.7	244.2	48.8	6.3
Cotton	Bollshell	44.8	17.5	19.2	17.3	2.4
Cotton	Husk	44.8	17.5	19.2	17.3	2.4
Bajra	Stalks	46.5	36.3	72.4	14.5	1.9
Wheat	Pod	49.5	162.7	48.8	9.8	1.4
Bajra	Cobs	46.5	36.3	11.9	6.0	0.78
Mustard	Stalks	1.7	2.0	3.7	2.9	0.38
Bajra	Husk	46.5	36.3	10.9	2.7	0.33
Mustard	Husk	1.7	2.0	1.8	1.7	0.21
Oilseeds	Stalks	5.8	7.0	14.1	1.4	0.17
Paddy	Straw	0.16	0.39	0.59	0.47	0.056
Others	Others	1.1	0.69	0.82	0.39	0.050
Total		149.6	226.6	618.0	276.7	37.9

Taluk level Residue-wise Data for Siwani ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	30.1	99.0	148.5	29.7	3.9
Mustard	Stalks	5.6	6.8	12.2	9.7	1.3
Wheat	Pod	30.1	99.0	29.7	5.9	0.83
Mustard	Husk	5.6	6.8	6.1	5.8	0.69
Paddy	Straw	1.4	3.5	5.2	4.2	0.50
Bajra	Stalks	11.5	9.0	17.9	3.6	0.46
Oilseeds	Stalks	11.9	14.4	28.9	2.9	0.35
Cotton	Stalks	0.71	0.28	2.7	2.4	0.34
Bajra	Cobs	11.5	9.0	2.9	1.5	0.19
Gram	Stalks	2.4	1.4	1.4	0.71	0.093
Bajra	Husk	11.5	9.0	2.7	0.67	0.080
Others	Others	0.00075	0.0018	0.61	0.55	0.076
Paddy	Husk	1.4	3.5	0.70	0.56	0.061
Total		63.6	134.3	259.6	68.2	8.8

Taluk level Residue-wise Data for Ballabgarh ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	41.8	168.3	252.4	50.5	6.6
Paddy	Straw	9.5	26.4	39.6	31.7	3.8
Wheat	Pod	41.8	168.3	50.5	10.1	1.4
Paddy	Husk	9.5	26.4	5.3	4.2	0.47
Mustard	Stalks	0.87	1.4	2.5	2.0	0.26
Others	Others	14.1	24.8	8.1	1.4	0.19
Mustard	Husk	0.87	1.4	1.2	1.2	0.14
Bajra	Stalks	1.2	1.6	3.2	0.64	0.084
Barley	Stalks	1.2	3.7	4.8	0.48	0.062
Total		68.7	226.2	367.6	102.2	13.0

Taluk level Residue-wise Data for Hathin ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	32.6	131.3	196.9	39.4	5.1
Wheat	Pod	32.6	131.3	39.4	7.9	1.1
Paddy	Straw	1.8	5.0	7.5	6.0	0.72
Mustard	Stalks	2.0	3.1	5.6	4.5	0.58
Mustard	Husk	2.0	3.1	2.8	2.7	0.32
Others	Others	5.1	5.7	5.9	0.88	0.11
Paddy	Husk	1.8	5.0	1.00	0.80	0.088
Bajra	Stalks	0.87	1.2	2.3	0.46	0.060
Total		42.3	146.3	261.4	62.5	8.1

Taluk level Residue-wise Data for Palwal ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	59.5	239.9	359.7	71.9	9.4
Paddy	Straw	17.6	48.7	72.9	58.4	7.0
Wheat	Pod	59.5	239.9	71.9	14.4	2.0
Bajra	Stalks	12.3	16.5	32.9	6.6	0.86
Paddy	Husk	17.6	48.7	9.7	7.8	0.86
Bajra	Cobs	12.3	16.5	5.4	2.7	0.35
Mustard	Stalks	0.97	1.5	2.8	2.2	0.29
Mustard	Husk	0.97	1.5	1.4	1.3	0.16
Bajra	Husk	12.3	16.5	4.9	1.2	0.15
Oilseeds	Stalks	2.7	4.1	8.2	0.82	0.099
Others	Others	9.2	13.5	3.9	0.62	0.082
Total		102.4	324.2	573.8	168.0	21.2

Taluk level Residue-wise Data for Fatehabad ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	82.7	38.0	314.3	282.9	39.6
Wheat	Stalks	111.3	485.1	727.8	145.6	18.9
Cotton	Bollshell	82.7	38.0	41.5	37.4	5.2
Cotton	Husk	82.7	38.0	41.5	37.4	5.2
Paddy	Straw	10.8	35.1	52.6	42.1	5.0
Wheat	Pod	111.3	485.1	145.6	29.1	4.1
Paddy	Husk	10.8	35.1	7.0	5.6	0.62
Mustard	Stalks	1.00	1.5	2.7	2.2	0.28
Bajra	Stalks	2.3	3.2	6.3	1.3	0.16
Oilseeds	Stalks	4.6	6.8	13.7	1.4	0.16
Mustard	Husk	1.00	1.5	1.4	1.3	0.16
Bajra	Cobs	2.3	3.2	1.0	0.52	0.068
Others	Others	0.0028	0.0095	0.96	0.24	0.029
Total		212.6	569.8	1356.3	586.8	79.6

Taluk level Residue-wise Data for Ratia ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	35.7	116.2	174.1	139.2	16.7
Cotton	Stalks	9.5	4.3	35.9	32.3	4.5
Wheat	Stalks	13.8	60.3	90.5	18.1	2.4
Paddy	Husk	35.7	116.2	23.2	18.6	2.0
Mustard	Stalks	2.9	4.3	7.8	6.2	0.81
Cotton	Bollshell	9.5	4.3	4.7	4.3	0.60
Cotton	Husk	9.5	4.3	4.7	4.3	0.60
Wheat	Pod	13.8	60.3	18.1	3.6	0.51
Mustard	Husk	2.9	4.3	3.9	3.7	0.44
Bajra	Stalks	4.7	6.3	12.7	2.5	0.33
Bajra	Cobs	4.7	6.3	2.1	1.0	0.14
Bajra	Husk	4.7	6.3	1.9	0.47	0.057
Others	Others	1.6	4.0	3.8	0.40	0.049
Total		68.2	195.5	383.4	234.7	29.2

Taluk level Residue-wise Data for Tohana ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	48.5	211.5	317.3	63.5	8.3
Cotton	Stalks	15.8	7.3	60.0	54.0	7.6
Paddy	Straw	15.0	48.6	72.9	58.3	7.0
Wheat	Pod	48.5	211.5	63.5	12.7	1.8
Cotton	Bollshell	15.8	7.3	7.9	7.1	1.00
Cotton	Husk	15.8	7.3	7.9	7.1	1.00
Paddy	Husk	15.0	48.6	9.7	7.8	0.85
Mustard	Stalks	1.6	2.4	4.4	3.5	0.45
Mustard	Husk	1.6	2.4	2.2	2.1	0.25
Bajra	Stalks	3.4	4.6	9.3	1.9	0.24
Oilseeds	Stalks	6.2	9.3	18.7	1.9	0.22
Bajra	Cobs	3.4	4.6	1.5	0.76	0.099
Others	Others	1.7	10.0	1.9	0.47	0.059
Total		92.2	293.8	577.1	221.0	28.8

Taluk level Residue-wise Data for Firozpur Jhirka ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	25.1	88.2	132.5	26.5	3.4
Mustard	Stalks	5.1	7.6	13.7	11.0	1.4
Bajra	Stalks	21.9	26.5	52.7	10.5	1.4
Mustard	Husk	5.1	7.6	6.8	6.5	0.78
Wheat	Pod	25.1	88.2	26.5	5.3	0.74
Bajra	Cobs	21.9	26.5	8.7	4.4	0.57
Bajra	Husk	21.9	26.5	7.9	2.0	0.24
Others	Others	2.5	2.1	4.3	0.46	0.057
Total		54.5	124.4	253.1	66.6	8.6

Taluk level Residue-wise Data for Gurgaon ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	64.8	228.0	342.3	68.5	8.9
Mustard	Stalks	7.5	11.3	20.2	16.2	2.1
Wheat	Pod	64.8	228.0	68.5	13.7	1.9
Bajra	Stalks	20.4	24.7	49.3	9.9	1.3
Mustard	Husk	7.5	11.3	10.1	9.6	1.2
Bajra	Cobs	20.4	24.7	8.1	4.1	0.53
Bajra	Husk	20.4	24.7	7.4	1.8	0.22
Others	Others	3.0	1.2	2.6	0.33	0.042
Total		95.7	265.2	508.5	124.0	16.1

Taluk level Residue-wise Data for Nuh ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	42.9	150.9	226.5	45.3	5.9
Wheat	Pod	42.9	150.9	45.3	9.1	1.3
Bajra	Stalks	17.0	20.6	41.0	8.2	1.1
Mustard	Stalks	3.3	4.9	8.8	7.1	0.92
Mustard	Husk	3.3	4.9	4.4	4.2	0.50
Bajra	Cobs	17.0	20.6	6.8	3.4	0.44
Bajra	Husk	17.0	20.6	6.2	1.5	0.18
Others	Others	1.1	0.48	1.0	0.13	0.016
Total		64.3	176.8	340.1	78.9	10.3

Taluk level Residue-wise Data for Pataudi ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	16.4	24.5	44.0	35.2	4.6
Mustard	Husk	16.4	24.5	22.0	20.9	2.5
Wheat	Stalks	4.0	14.0	21.0	4.2	0.55
Bajra	Stalks	6.5	7.9	15.8	3.2	0.41
Bajra	Cobs	6.5	7.9	2.6	1.3	0.17
Wheat	Pod	4.0	14.0	4.2	0.84	0.12
Bajra	Husk	6.5	7.9	2.4	0.59	0.071
Others	Others	1.0	1.2	2.4	0.25	0.030
Total		27.9	47.7	114.5	66.5	8.4

Taluk level Residue-wise Data for Hansi ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	120.4	50.6	457.5	411.8	57.6
Cotton	Bollshell	120.4	50.6	55.4	49.8	7.0
Cotton	Husk	120.4	50.6	55.4	49.8	7.0
Wheat	Stalks	17.7	75.6	113.5	22.7	3.0
Paddy	Straw	3.2	6.0	9.0	7.2	0.87
Bajra	Stalks	11.2	14.3	28.5	5.7	0.74
Wheat	Pod	17.7	75.6	22.7	4.5	0.64
Bajra	Cobs	11.2	14.3	4.7	2.4	0.31
Bajra	Husk	11.2	14.3	4.3	1.1	0.13
Paddy	Husk	3.2	6.0	1.2	0.96	0.11
Others	Others	0.13	0.47	0.20	0.16	0.020
Total		152.5	146.9	752.3	556.1	77.4

Taluk level Residue-wise Data for Hisar ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	180.8	773.8	1161.5	232.3	30.2
Cotton	Stalks	14.7	6.2	55.8	50.2	7.0
Wheat	Pod	180.8	773.8	232.3	46.5	6.5
Bajra	Stalks	47.3	60.5	120.7	24.1	3.1
Paddy	Straw	10.7	20.2	30.3	24.2	2.9
Bajra	Cobs	47.3	60.5	19.9	10.0	1.3
Cotton	Bollshell	14.7	6.2	6.8	6.1	0.85
Cotton	Husk	14.7	6.2	6.8	6.1	0.85
Bajra	Husk	47.3	60.5	18.1	4.5	0.54
Paddy	Husk	10.7	20.2	4.0	3.2	0.36
Others	Others	0.064	0.089	0.22	0.16	0.020
Total		253.5	860.7	1656.3	407.4	53.7

Taluk level Residue-wise Data for Bahadurgarh ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	19.2	73.4	110.2	22.0	2.9
Wheat	Pod	19.2	73.4	22.0	4.4	0.62
Bajra	Stalks	8.0	8.7	17.5	3.5	0.46
Cotton	Stalks	0.92	1.1	3.5	3.1	0.44
Bajra	Cobs	8.0	8.7	2.9	1.4	0.19
Oilseeds	Stalks	4.5	7.0	14.1	1.4	0.17
Cotton	Bollshell	0.92	1.1	1.3	1.1	0.16
Cotton	Husk	0.92	1.1	1.3	1.1	0.16
Others	Others	6.4	1.9	4.5	0.91	0.12
Bajra	Husk	8.0	8.7	2.6	0.66	0.079
Total		39.0	92.3	179.9	39.8	5.2

Taluk level Residue-wise Data for Jhajjar ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	86.0	328.4	493.2	98.6	12.8
Wheat	Pod	86.0	328.4	98.6	19.7	2.8
Bajra	Stalks	12.1	13.2	26.5	5.3	0.69
Cotton	Stalks	0.71	0.89	2.7	2.4	0.34
Bajra	Cobs	12.1	13.2	4.4	2.2	0.28
Jowar	Stalks	22.5	6.3	10.7	1.1	0.14
Cotton	Bollshell	0.71	0.89	0.98	0.88	0.12
Cotton	Husk	0.71	0.89	0.98	0.88	0.12
Bajra	Husk	12.1	13.2	4.0	0.99	0.12
Oilseeds	Stalks	3.0	4.8	9.6	0.96	0.12
Jowar	Cobs	22.5	6.3	3.2	0.63	0.088
Jowar	Husk	22.5	6.3	1.3	0.63	0.076
Others	Others	2.2	9.3	0.94	0.51	0.065
Total		126.5	362.9	657.1	134.9	17.7

Taluk level Residue-wise Data for Jind ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	28.3	9.6	107.4	96.7	13.5
Wheat	Stalks	49.8	214.8	322.5	64.5	8.4
Paddy	Straw	12.1	24.1	36.2	29.0	3.5
Wheat	Pod	49.8	214.8	64.5	12.9	1.8
Cotton	Bollshell	28.3	9.6	10.5	9.4	1.3
Cotton	Husk	28.3	9.6	10.5	9.4	1.3
Bajra	Stalks	12.3	19.6	39.2	7.8	1.0
Paddy	Husk	12.1	24.1	4.8	3.9	0.42
Bajra	Cobs	12.3	19.6	6.5	3.2	0.42
Bajra	Husk	12.3	19.6	5.9	1.5	0.18
Oilseeds	Stalks	2.3	2.8	5.6	0.56	0.068
Others	Others	1.4	7.4	0.37	0.093	0.013
Total		106.2	278.4	613.9	238.9	32.0

Taluk level Residue-wise Data for Narwana ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	98.7	196.4	294.5	235.6	28.3
Wheat	Stalks	119.3	514.3	772.4	154.5	20.1
Wheat	Pod	119.3	514.3	154.5	30.9	4.3
Paddy	Husk	98.7	196.4	39.3	31.4	3.5
Cotton	Stalks	5.8	2.0	22.1	19.9	2.8
Bajra	Stalks	18.4	29.2	58.4	11.7	1.5
Mustard	Stalks	3.4	4.2	7.5	6.0	0.78
Bajra	Cobs	18.4	29.2	9.6	4.8	0.63
Mustard	Husk	3.4	4.2	3.8	3.6	0.43
Cotton	Bollshell	5.8	2.0	2.2	1.9	0.27
Cotton	Husk	5.8	2.0	2.2	1.9	0.27
Bajra	Husk	18.4	29.2	8.8	2.2	0.26
Sugarcane	Tops & Leaves	5.7	30.4	1.5	0.38	0.053
Oilseeds	Stalks	1.8	2.2	4.4	0.44	0.053
Total		253.1	778.7	1381.0	505.2	63.2

Taluk level Residue-wise Data for Safidon ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	37.9	163.1	245.0	49.0	6.4
Cotton	Stalks	4.9	1.7	18.4	16.6	2.3
Wheat	Pod	37.9	163.1	49.0	9.8	1.4
Bajra	Stalks	10.3	16.3	32.6	6.5	0.85
Paddy	Straw	1.7	3.5	5.2	4.2	0.50
Bajra	Cobs	10.3	16.3	5.4	2.7	0.35
Cotton	Bollshell	4.9	1.7	1.8	1.6	0.23
Cotton	Husk	4.9	1.7	1.8	1.6	0.23
Mustard	Stalks	0.75	0.92	1.7	1.3	0.17
Bajra	Husk	10.3	16.3	4.9	1.2	0.15
Mustard	Husk	0.75	0.92	0.83	0.79	0.094
Paddy	Husk	1.7	3.5	0.69	0.55	0.061
Others	Others	0.16	0.87	0.044	0.011	0.0015
Total		55.6	186.4	367.3	95.9	12.7

Taluk level Residue-wise Data for Gulha ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	23.9	56.8	85.3	68.2	8.2
Wheat	Stalks	34.2	153.4	229.8	46.0	6.0
Wheat	Pod	34.2	153.4	46.0	9.2	1.3
Paddy	Husk	23.9	56.8	11.4	9.1	1.0
Cotton	Stalks	0.55	1.4	2.1	1.9	0.26
Cotton	Bollshell	0.55	1.4	1.5	1.4	0.19
Cotton	Husk	0.55	1.4	1.5	1.4	0.19
Others	Others	4.4	27.4	1.5	0.37	0.051
Total		63.0	239.0	379.1	137.4	17.1

Taluk level Residue-wise Data for Kaithal ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	108.2	257.6	386.6	309.3	37.1
Wheat	Stalks	115.2	517.4	775.2	155.0	20.2
Paddy	Husk	108.2	257.6	51.5	41.2	4.5
Wheat	Pod	115.2	517.4	155.0	31.0	4.3
Cotton	Stalks	0.26	0.65	0.98	0.88	0.12
Cotton	Bollshell	0.26	0.65	0.71	0.64	0.089
Cotton	Husk	0.26	0.65	0.71	0.64	0.089
Others	Others	0.40	2.2	0.27	0.057	0.0076
Total		224.1	777.8	1371.0	538.8	66.5

Taluk level Residue-wise Data for Asandh ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	41.7	117.1	175.6	140.5	16.9
Wheat	Stalks	23.6	109.1	163.7	32.7	4.3
Paddy	Husk	41.7	117.1	23.4	18.7	2.1
Wheat	Pod	23.6	109.1	32.7	6.5	0.92
Sugarcane	Tops & Leaves	7.7	49.6	2.5	0.62	0.087
Others	Others	0.54	0.58	1.5	0.36	0.046
Total		73.5	276.4	399.4	199.5	24.2

Taluk level Residue-wise Data for Karnal ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	119.0	334.3	501.4	401.1	48.1
Wheat	Stalks	142.9	660.3	990.2	198.0	25.7
Paddy	Husk	119.0	334.3	66.9	53.5	5.9
Wheat	Pod	142.9	660.3	198.0	39.6	5.5
Mustard	Stalks	0.92	1.0	1.8	1.5	0.19
Bajra	Stalks	2.3	2.5	5.0	1.0	0.13
Mustard	Husk	0.92	1.0	0.92	0.87	0.10
Others	Others	4.1	15.6	4.7	0.69	0.087
Bajra	Cobs	2.3	2.5	0.83	0.41	0.054
Total		269.2	1013.7	1769.8	696.7	85.9

Taluk level Residue-wise Data for Pehowa ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	35.0	111.6	167.5	134.0	16.1
Wheat	Stalks	38.6	179.5	269.1	53.8	7.0
Paddy	Husk	35.0	111.6	22.3	17.9	2.0
Wheat	Pod	38.6	179.5	53.8	10.8	1.5
Others	Others	2.6	14.6	1.3	0.24	0.033
Total		76.2	305.7	514.1	216.7	26.6

Taluk level Residue-wise Data for Thanesar ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	73.0	232.9	349.7	279.7	33.6
Wheat	Stalks	70.7	328.7	492.7	98.5	12.8
Paddy	Husk	73.0	232.9	46.6	37.3	4.1
Wheat	Pod	70.7	328.7	98.5	19.7	2.8
Sugarcane	Tops & Leaves	13.8	89.8	4.5	1.1	0.16
Others	Others	0.56	0.56	0.72	0.072	0.0094
Total		158.1	652.0	992.7	436.5	53.4

Taluk level Residue-wise Data for Mahendragarh ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	70.5	84.5	152.2	121.8	15.8
Mustard	Husk	70.5	84.5	76.1	72.3	8.7
Bajra	Stalks	44.9	50.3	100.2	20.0	2.6
Bajra	Cobs	44.9	50.3	16.5	8.3	1.1
Oilseeds	Stalks	19.1	23.1	45.9	4.6	0.55
Bajra	Husk	44.9	50.3	15.0	3.8	0.45
Cotton	Stalks	0.65	0.86	2.5	2.2	0.31
Cotton	Bollshell	0.65	0.86	0.95	0.86	0.12
Cotton	Husk	0.65	0.86	0.95	0.86	0.12
Others	Others	0.24	0.90	1.6	0.32	0.042
Total		135.3	159.6	412.1	235.0	29.8

Taluk level Residue-wise Data for Narnaul ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bajra	Stalks	39.2	43.9	87.5	17.5	2.3
Mustard	Stalks	7.9	9.5	17.1	13.7	1.8
Oilseeds	Stalks	59.0	71.4	142.1	14.2	1.7
Wheat	Stalks	9.9	36.8	55.2	11.0	1.4
Mustard	Husk	7.9	9.5	8.5	8.1	0.97
Bajra	Cobs	39.2	43.9	14.4	7.2	0.94
Cotton	Stalks	0.85	1.1	3.2	2.9	0.41
Bajra	Husk	39.2	43.9	13.1	3.3	0.39
Wheat	Pod	9.9	36.8	11.0	2.2	0.31
Cotton	Bollshell	0.85	1.1	1.2	1.1	0.16
Cotton	Husk	0.85	1.1	1.2	1.1	0.16
Others	Others	2.40E-05	2.57E-05	2.69E-05	1.34E-05	1.75E-06
Total		116.9	162.7	354.8	82.4	10.5

Taluk level Residue-wise Data for Kalka ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	6.3	18.2	27.3	21.9	2.6
Wheat	Stalks	10.0	26.6	39.9	8.0	1.0
Maize	Cobs	7.3	16.0	8.0	4.0	0.56
Maize	Stalks	7.3	16.0	32.0	3.2	0.42
Paddy	Husk	6.3	18.2	3.6	2.9	0.32
Wheat	Pod	10.0	26.6	8.0	1.6	0.22
Others	Others	0.82	6.1	0.31	0.082	0.011
Total		24.4	66.9	119.2	41.6	5.2

Taluk level Residue-wise Data for Panipat ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	77.4	187.4	280.6	224.5	26.9
Wheat	Stalks	82.7	391.3	587.4	117.5	15.3
Paddy	Husk	77.4	187.4	37.4	29.9	3.3
Wheat	Pod	82.7	391.3	117.5	23.5	3.3
Others	Others	1.0	1.0	2.0	0.20	0.024
Total		161.2	579.7	1024.9	395.6	48.8

Taluk level Residue-wise Data for Bawal ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	16.8	29.9	53.8	43.1	5.6
Mustard	Husk	16.8	29.9	26.9	25.6	3.1
Bajra	Stalks	3.6	3.9	7.8	1.6	0.20
Bajra	Cobs	3.6	3.9	1.3	0.64	0.083
Others	Others	0.75	1.3	3.8	0.56	0.067
Total		21.1	35.1	93.6	71.4	9.0

Taluk level Residue-wise Data for Kosli ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mustard	Stalks	14.9	26.6	47.9	38.3	5.0
Mustard	Husk	14.9	26.6	23.9	22.7	2.7
Oilseeds	Stalks	42.4	75.5	150.9	15.1	1.8
Bajra	Stalks	19.1	20.6	41.4	8.3	1.1
Bajra	Cobs	19.1	20.6	6.8	3.4	0.44
Bajra	Husk	19.1	20.6	6.2	1.6	0.19
Cotton	Stalks	0.12	0.39	0.47	0.42	0.059
Cotton	Bollshell	0.12	0.39	0.43	0.38	0.054
Cotton	Husk	0.12	0.39	0.43	0.38	0.054
Others	Others	0.032	0.11	0.14	0.014	0.0018
Total		76.6	123.2	278.6	90.6	11.4

Taluk level Residue-wise Data for Rewari ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	55.0	228.6	343.0	68.6	8.9
Mustard	Stalks	22.8	40.5	72.9	58.3	7.6
Mustard	Husk	22.8	40.5	36.5	34.6	4.2
Wheat	Pod	55.0	228.6	68.6	13.7	1.9
Bajra	Stalks	25.9	27.9	56.1	11.2	1.5
Cotton	Stalks	1.5	4.7	5.7	5.1	0.72
Cotton	Bollshell	1.5	4.7	5.2	4.6	0.65
Cotton	Husk	1.5	4.7	5.2	4.6	0.65
Bajra	Cobs	25.9	27.9	9.3	4.6	0.60
Oilseeds	Stalks	7.8	13.9	27.9	2.8	0.33
Bajra	Husk	25.9	27.9	8.4	2.1	0.25
Others	Others	0.0071	0.024	0.031	0.0031	0.00040
Total		112.9	315.7	638.7	210.4	27.2

Taluk level Residue-wise Data for Maham ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	30.4	116.7	175.0	35.0	4.5
Cotton	Stalks	6.9	1.4	26.1	23.4	3.3
Paddy	Straw	10.2	15.4	23.1	18.5	2.2
Wheat	Pod	30.4	116.7	35.0	7.0	0.98
Mustard	Stalks	3.3	4.2	7.6	6.1	0.79
Mustard	Husk	3.3	4.2	3.8	3.6	0.43
Bajra	Stalks	4.1	6.4	12.8	2.6	0.33
Paddy	Husk	10.2	15.4	3.1	2.5	0.27
Cotton	Bollshell	6.9	1.4	1.5	1.4	0.19
Cotton	Husk	6.9	1.4	1.5	1.4	0.19
Others	Others	4.5	19.0	3.6	1.1	0.14
Bajra	Cobs	4.1	6.4	2.1	1.1	0.14
Oilseeds	Stalks	2.3	2.9	5.7	0.57	0.069
Bajra	Husk	4.1	6.4	1.9	0.48	0.058
Jowar	Stalks	12.0	2.4	4.0	0.40	0.052
Total		73.5	168.4	306.8	104.9	13.7

Taluk level Residue-wise Data for Rohtak ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	62.5	240.1	360.0	72.0	9.4
Paddy	Straw	13.7	20.7	30.9	24.7	3.0
Cotton	Stalks	6.2	1.2	23.4	21.0	2.9
Wheat	Pod	62.5	240.1	72.0	14.4	2.0
Mustard	Stalks	7.6	9.8	17.6	14.1	1.8
Mustard	Husk	7.6	9.8	8.8	8.4	1.0
Bajra	Stalks	11.9	18.5	37.0	7.4	0.96
Bajra	Cobs	11.9	18.5	6.1	3.1	0.40
Paddy	Husk	13.7	20.7	4.1	3.3	0.36
Oilseeds	Stalks	8.8	11.2	22.4	2.2	0.27
Cotton	Bollshell	6.2	1.2	1.3	1.2	0.17
Cotton	Husk	6.2	1.2	1.3	1.2	0.17
Bajra	Husk	11.9	18.5	5.6	1.4	0.17
Gram	Stalks	1.7	1.4	1.5	0.73	0.095
Sugarcane	Tops & Leaves	10.1	50.9	2.5	0.64	0.089

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Barley	Stalks	1.9	4.7	6.1	0.61	0.080
Others	Others	0	0	1.9	0.54	0.070
Jowar	Stalks	13.7	2.7	4.6	0.46	0.060
Total		138.0	361.2	607.3	177.5	23.0

Taluk level Residue-wise Data for Dabwali ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	14.3	40.0	60.0	48.0	5.8
Cotton	Stalks	8.3	3.7	31.7	28.5	4.0
Wheat	Stalks	15.4	64.1	96.2	19.2	2.5
Paddy	Husk	14.3	40.0	8.0	6.4	0.70
Wheat	Pod	15.4	64.1	19.2	3.8	0.54
Cotton	Bollshell	8.3	3.7	4.1	3.7	0.52
Cotton	Husk	8.3	3.7	4.1	3.7	0.52
Oilseeds	Stalks	5.2	7.1	14.2	1.4	0.17
Others	Others	0.58	0.60	1.6	0.39	0.050
Total		43.9	115.6	239.2	115.2	14.8

Taluk level Residue-wise Data for Sirsa ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	191.6	86.2	728.1	655.3	91.7
Wheat	Stalks	228.9	949.8	1426.3	285.3	37.1
Cotton	Bollshell	191.6	86.2	95.2	85.7	12.0
Cotton	Husk	191.6	86.2	95.2	85.7	12.0
Paddy	Straw	25.7	71.7	107.6	86.1	10.3
Wheat	Pod	228.9	949.8	285.3	57.1	8.0
Paddy	Husk	25.7	71.7	14.3	11.5	1.3
Oilseeds	Stalks	20.3	28.0	56.0	5.6	0.67
Bajra	Stalks	2.3	2.4	4.8	0.96	0.12
Bajra	Cobs	2.3	2.4	0.79	0.40	0.052
Others	Others	0.023	0.033	0.81	0.25	0.031
Total		468.9	1138.2	2814.4	1273.7	173.3

Taluk level Residue-wise Data for Ganaur ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	14.2	25.4	38.0	30.4	3.6
Wheat	Stalks	21.5	86.1	129.1	25.8	3.4
Wheat	Pod	21.5	86.1	25.8	5.2	0.72
Paddy	Husk	14.2	25.4	5.1	4.0	0.45
Others	Others	1.6	1.4	3.8	1.0	0.13
Mustard	Stalks	0.33	0.34	0.62	0.49	0.064
Total		37.6	113.2	202.4	66.9	8.4

Taluk level Residue-wise Data for Gohana ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	51.7	92.6	138.5	110.8	13.3
Wheat	Stalks	68.9	275.4	413.1	82.6	10.7
Wheat	Pod	68.9	275.4	82.6	16.5	2.3
Paddy	Husk	51.7	92.6	18.5	14.8	1.6
Mustard	Stalks	3.2	3.3	6.0	4.8	0.62
Cotton	Stalks	0.72	0.24	2.7	2.5	0.34
Mustard	Husk	3.2	3.3	3.0	2.9	0.34
Others	Others	2.3	1.7	4.7	1.0	0.13
Bajra	Stalks	1.5	2.4	4.8	0.96	0.13
Sugarcane	Tops & Leaves	6.7	37.1	1.9	0.46	0.065
Bajra	Cobs	1.5	2.4	0.79	0.40	0.052
Total		135.0	412.8	676.7	237.7	29.7

Taluk level Residue-wise Data for Sonipat ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	49.3	197.1	295.7	59.1	7.7
Paddy	Straw	12.9	23.0	34.5	27.6	3.3
Wheat	Pod	49.3	197.1	59.1	11.8	1.7
Bajra	Stalks	5.5	8.7	17.4	3.5	0.45
Paddy	Husk	12.9	23.0	4.6	3.7	0.40
Bajra	Cobs	5.5	8.7	2.9	1.4	0.19
Others	Others	1.8	10.1	3.0	1.2	0.16

Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Cotton	Stalks	0.30	0.10	1.1	1.0	0.14
Bajra	Husk	5.5	8.7	2.6	0.65	0.078
Mustard	Stalks	0.37	0.39	0.70	0.56	0.073
Jowar	Stalks	11.0	2.7	4.6	0.46	0.060
Oilseeds	Stalks	2.2	2.2	4.4	0.44	0.053
Total		83.4	244.4	430.7	111.5	14.3

Taluk level Residue-wise Data for Jagadiri ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	56.4	166.2	249.8	199.8	24.0
Wheat	Stalks	62.3	231.9	347.9	69.6	9.0
Paddy	Husk	56.4	166.2	33.3	26.6	2.9
Wheat	Pod	62.3	231.9	69.6	13.9	1.9
Sugarcane	Tops & Leaves	39.5	220.2	11.0	2.8	0.39
Mustard	Stalks	1.0	1.4	2.6	2.0	0.27
Mustard	Husk	1.0	1.4	1.3	1.2	0.15
Maize	Cobs	1.6	4.1	2.0	1.0	0.14
Maize	Stalks	1.6	4.1	8.1	0.81	0.11
Others	Others	3.0	3.0	5.3	0.71	0.089
Bajra	Stalks	1.5	1.0	2.0	0.41	0.053
Total		165.3	627.8	732.9	318.9	39.1

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.