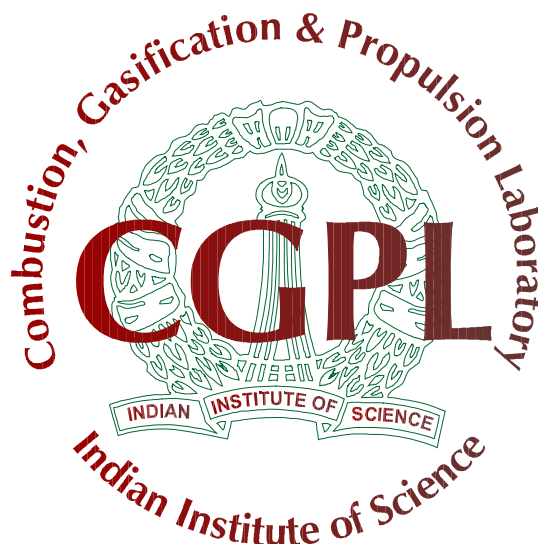


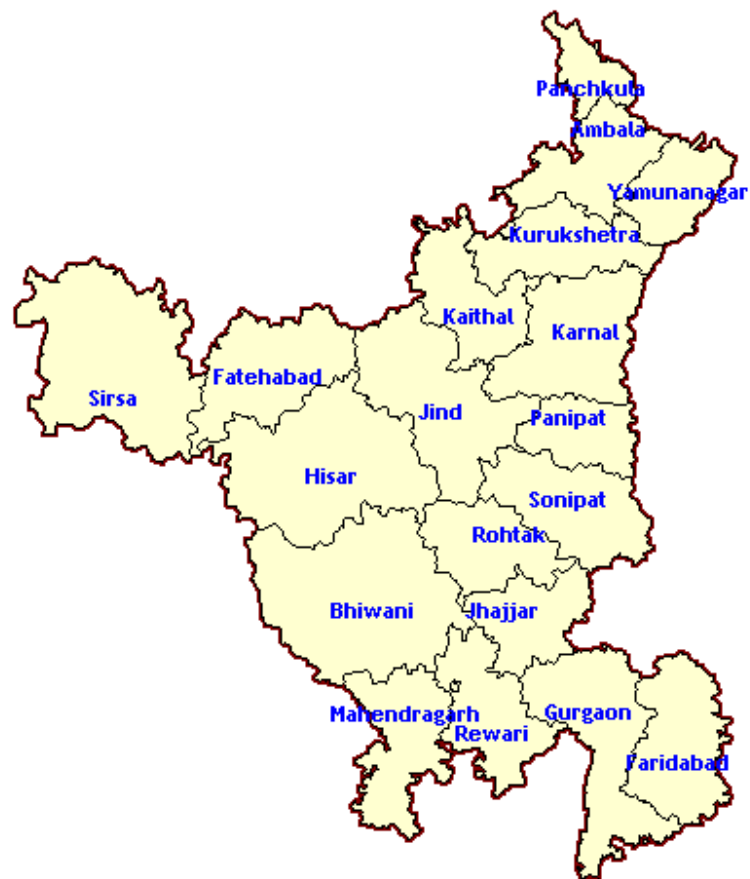
Biomass Mapping for Power Generation in Selected States

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, Agro, Forest and Wastelands



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

5. Forest

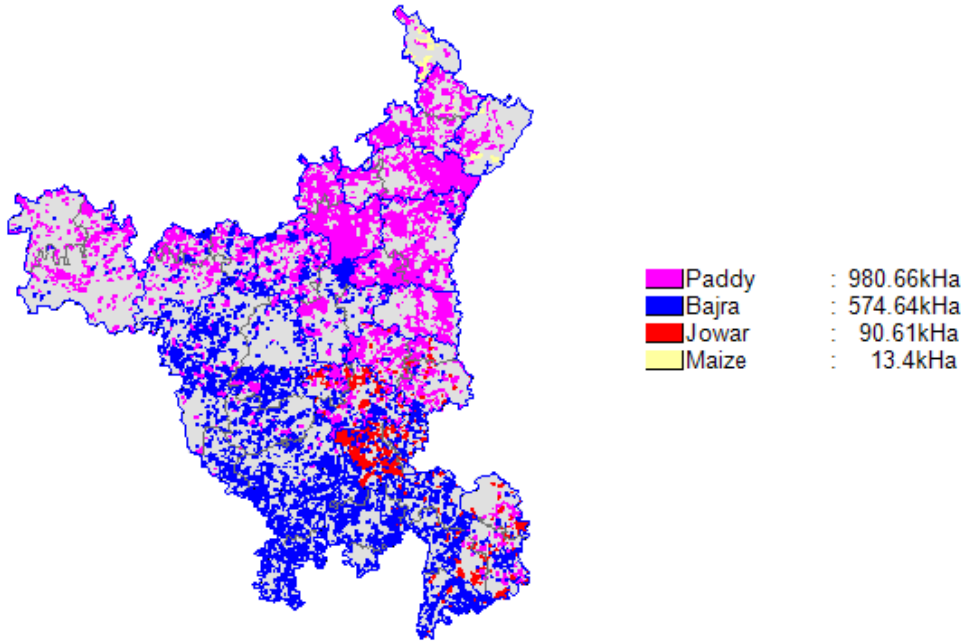
a. State-level Residue-wise -----	117
b. State-level District-wise-----	120
c. State-level Taluk-wise-----	121
d. District-level Residue-wise-----	121
e. District-level-Taluk-wise-----	145
f. Taluk-level Residue-wise-----	148

6. Wastelands

a. State-level Residue-wise-----	175
b. State-level District-wise-----	177
c. State-level Taluk-wise-----	178
d. District-level Residue-wise-----	179
e. District-level-Taluk-wise-----	204
f. Taluk-level Residue-wise-----	209

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
Sonipat	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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

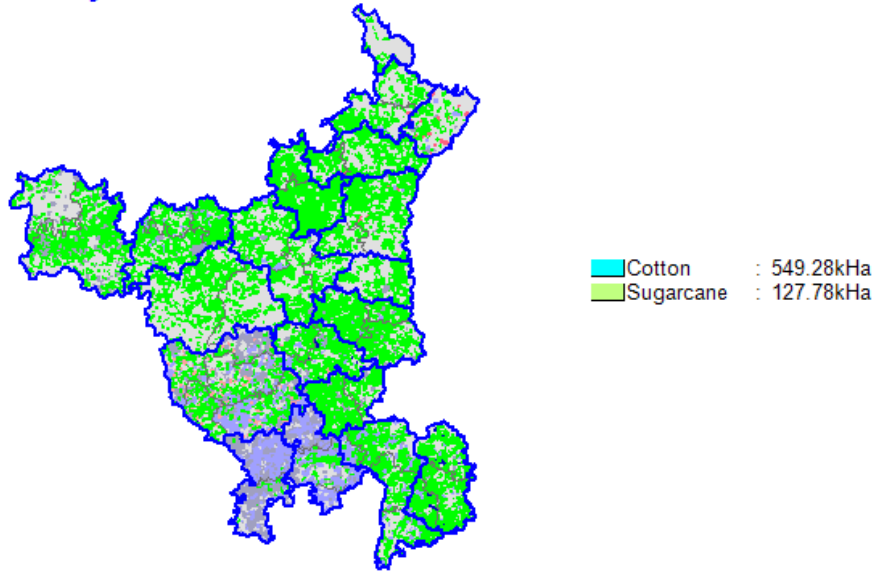
Taluk level Residue-wise Data for Gohana ; Season : Kharif						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Paddy	Straw	51.7	92.6	138.5	110.8	13.3
Paddy	Husk	51.7	92.6	18.5	14.8	1.6
Bajra	Stalks	1.5	2.4	4.8	0.96	0.13
Bajra	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
Sonapat	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

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
Bawani Khera	50.5	70.2	137.9	19.0	2.4
Total		376.5	748.0	1486.9	505.2

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 Khera ; 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

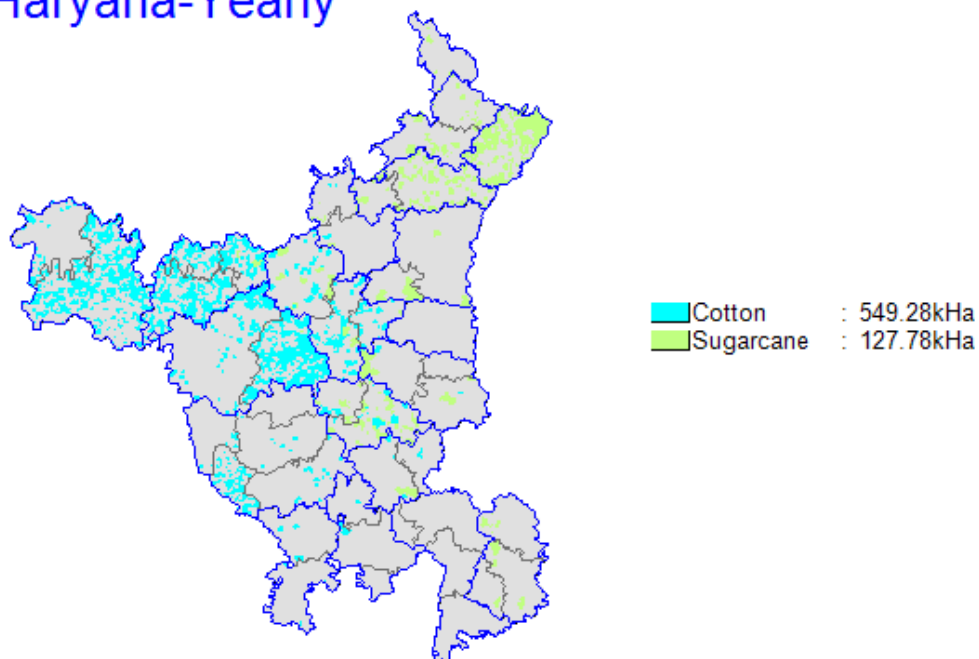
Taluk level Residue-wise Data for Gohana ; Season : Rabi						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	68.9	275.4	413.1	82.6	10.7
Wheat	Pod	68.9	275.4	82.6	16.5	2.3
Mustard	Stalks	3.2	3.3	6.0	4.8	0.62
Mustard	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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

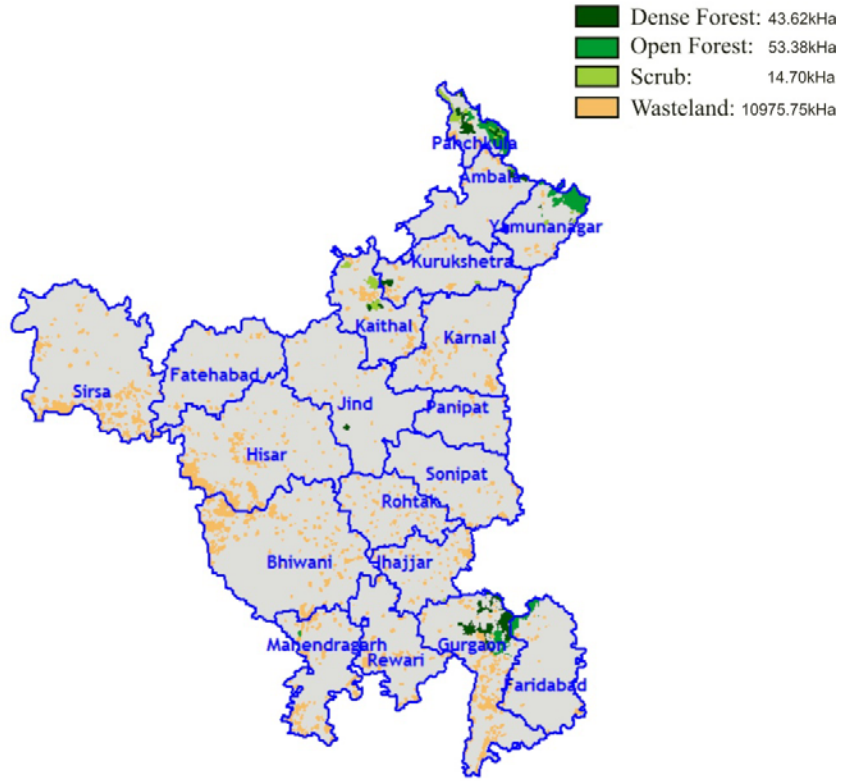
Taluk level Residue-wise Data for Sonipat ; Biomass Class : Agro						
Crop	Residue	Area (kHa)	Crop Production (kT/Yr)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Wheat	Stalks	49.3	197.1	295.7	59.1	7.7
Paddy	Straw	12.9	23.0	34.5	27.6	3.3
Wheat	Pod	49.3	197.1	59.1	11.8	1.7
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

Forest

Haryana Forest And Wasteland Map



State Level Residue Wise

State level Residue-wise Data for Haryana; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	43.6	5.2	3.4	0.48	Dense Forest
Eucalyptus	Leaves	43.6	4.9	3.2	0.45	Dense Forest
Others	Leaves	43.6	4.5	2.9	0.41	Dense Forest
Babul	Branches	43.6	4.4	2.9	0.41	Dense Forest
Babul	Twigs	43.6	4.4	2.9	0.41	Dense Forest
Babul	Bark	43.6	4.4	2.9	0.41	Dense Forest
Eucalyptus	Branches	43.6	4.2	2.8	0.39	Dense Forest
Eucalyptus	Bark	43.6	4.2	2.8	0.39	Dense Forest
Eucalyptus	Twigs	43.6	4.2	2.8	0.39	Dense Forest
Others	Bark	43.6	3.8	2.5	0.35	Dense Forest
Others	Twigs	43.6	3.8	2.5	0.35	Dense Forest
Others	Branches	43.6	3.8	2.5	0.35	Dense Forest
Jand,Kandi	Leaves	43.6	3.5	2.3	0.33	Dense Forest
Jand,Kandi	Twigs	43.6	3.0	2.0	0.28	Dense Forest
Jand,Kandi	Branches	43.6	3.0	2.0	0.28	Dense Forest
Jand,Kandi	Bark	43.6	3.0	2.0	0.28	Dense Forest
Shisham	Leaves	43.6	2.8	1.9	0.26	Dense Forest
Shisham	Bark	43.6	2.4	1.6	0.22	Dense Forest
Shisham	Twigs	43.6	2.4	1.6	0.22	Dense Forest
Shisham	Branches	43.6	2.4	1.6	0.22	Dense Forest
Babul	Leaves	53.4	2.3	1.5	0.21	Open Forest
Eucalyptus	Leaves	53.4	2.2	1.4	0.20	Open Forest
Others	Leaves	53.4	1.9	1.3	0.18	Open Forest
Babul	Branches	53.4	1.9	1.3	0.18	Open Forest
Babul	Twigs	53.4	1.9	1.3	0.18	Open Forest
Babul	Bark	53.4	1.9	1.3	0.18	Open Forest
Eucalyptus	Bark	53.4	1.8	1.2	0.17	Open Forest
Eucalyptus	Twigs	53.4	1.8	1.2	0.17	Open Forest
Eucalyptus	Branches	53.4	1.8	1.2	0.17	Open Forest
Others	Twigs	53.4	1.7	1.1	0.15	Open Forest
Others	Bark	53.4	1.7	1.1	0.15	Open Forest
Others	Branches	53.4	1.7	1.1	0.15	Open Forest
Jand,Kandi	Leaves	53.4	1.5	1.0	0.14	Open Forest
Jand,Kandi	Twigs	53.4	1.3	0.87	0.12	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Branches	53.4	1.3	0.87	0.12	Open Forest
Jand,Kandi	Bark	53.4	1.3	0.87	0.12	Open Forest
Shisham	Leaves	53.4	1.2	0.81	0.11	Open Forest
Shisham	Twigs	53.4	1.1	0.70	0.097	Open Forest
Shisham	Branches	53.4	1.1	0.70	0.097	Open Forest
Shisham	Bark	53.4	1.1	0.70	0.097	Open Forest
Salvadora Spp.	Leaves	43.6	0.70	0.46	0.065	Dense Forest
Salvadora Spp.	Branches	43.6	0.60	0.40	0.056	Dense Forest
Salvadora Spp.	Bark	43.6	0.60	0.40	0.056	Dense Forest
Salvadora Spp.	Twigs	43.6	0.60	0.40	0.056	Dense Forest
Umbrella Thorn Acacia	Leaves	43.6	0.47	0.31	0.043	Dense Forest
Cottonwood	Leaves	43.6	0.47	0.31	0.043	Dense Forest
Mango	Leaves	43.6	0.47	0.31	0.043	Dense Forest
Neem	Leaves	43.6	0.47	0.31	0.043	Dense Forest
Neem	Twigs	43.6	0.40	0.27	0.037	Dense Forest
Mango	Bark	43.6	0.40	0.27	0.037	Dense Forest
Mango	Branches	43.6	0.40	0.27	0.037	Dense Forest
Umbrella Thorn Acacia	Bark	43.6	0.40	0.27	0.037	Dense Forest
Umbrella Thorn Acacia	Branches	43.6	0.40	0.27	0.037	Dense Forest
Neem	Bark	43.6	0.40	0.27	0.037	Dense Forest
Neem	Branches	43.6	0.40	0.27	0.037	Dense Forest
Cottonwood	Twigs	43.6	0.40	0.27	0.037	Dense Forest
Cottonwood	Bark	43.6	0.40	0.27	0.037	Dense Forest
Mango	Twigs	43.6	0.40	0.27	0.037	Dense Forest
Umbrella Thorn Acacia	Twigs	43.6	0.40	0.27	0.037	Dense Forest
Cottonwood	Branches	43.6	0.40	0.27	0.037	Dense Forest
Salvadora Spp.	Leaves	53.4	0.31	0.20	0.028	Open Forest
Salvadora Spp.	Branches	53.4	0.26	0.17	0.024	Open Forest
Salvadora Spp.	Twigs	53.4	0.26	0.17	0.024	Open Forest
Salvadora Spp.	Bark	53.4	0.26	0.17	0.024	Open Forest
Babul	Leaves	14.7	0.25	0.16	0.023	Scrub
Eucalyptus	Leaves	14.7	0.24	0.16	0.022	Scrub
Others	Leaves	14.7	0.21	0.14	0.020	Scrub
Babul	Branches	14.7	0.21	0.14	0.020	Scrub
Babul	Twigs	14.7	0.21	0.14	0.020	Scrub
Babul	Bark	14.7	0.21	0.14	0.020	Scrub
Mango	Leaves	53.4	0.20	0.14	0.019	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Leaves	53.4	0.20	0.14	0.019	Open Forest
Umbrella Thorn Acacia	Leaves	53.4	0.20	0.14	0.019	Open Forest
Neem	Leaves	53.4	0.20	0.14	0.019	Open Forest
Eucalyptus	Bark	14.7	0.20	0.13	0.019	Scrub
Eucalyptus	Branches	14.7	0.20	0.13	0.019	Scrub
Eucalyptus	Twigs	14.7	0.20	0.13	0.019	Scrub
Others	Twigs	14.7	0.18	0.12	0.017	Scrub
Others	Branches	14.7	0.18	0.12	0.017	Scrub
Others	Bark	14.7	0.18	0.12	0.017	Scrub
Cottonwood	Twigs	53.4	0.18	0.12	0.016	Open Forest
Umbrella Thorn Acacia	Branches	53.4	0.18	0.12	0.016	Open Forest
Cottonwood	Bark	53.4	0.18	0.12	0.016	Open Forest
Mango	Branches	53.4	0.18	0.12	0.016	Open Forest
Mango	Twigs	53.4	0.18	0.12	0.016	Open Forest
Neem	Twigs	53.4	0.18	0.12	0.016	Open Forest
Umbrella Thorn Acacia	Twigs	53.4	0.18	0.12	0.016	Open Forest
Umbrella Thorn Acacia	Bark	53.4	0.18	0.12	0.016	Open Forest
Cottonwood	Branches	53.4	0.18	0.12	0.016	Open Forest
Mango	Bark	53.4	0.18	0.12	0.016	Open Forest
Neem	Bark	53.4	0.18	0.12	0.016	Open Forest
Neem	Branches	53.4	0.18	0.12	0.016	Open Forest
Jand,Kandi	Leaves	14.7	0.17	0.11	0.016	Scrub
Jand,Kandi	Twigs	14.7	0.14	0.096	0.013	Scrub
Jand,Kandi	Bark	14.7	0.14	0.096	0.013	Scrub
Jand,Kandi	Branches	14.7	0.14	0.096	0.013	Scrub
Shisham	Leaves	14.7	0.14	0.089	0.013	Scrub
Shisham	Twigs	14.7	0.12	0.077	0.011	Scrub
Shisham	Branches	14.7	0.12	0.077	0.011	Scrub
Shisham	Bark	14.7	0.12	0.077	0.011	Scrub
Salvadora Spp.	Leaves	14.7	0.034	0.022	0.0031	Scrub
Salvadora Spp.	Bark	14.7	0.029	0.019	0.0027	Scrub
Salvadora Spp.	Branches	14.7	0.029	0.019	0.0027	Scrub
Salvadora Spp.	Twigs	14.7	0.029	0.019	0.0027	Scrub
Cottonwood	Leaves	14.7	0.023	0.015	0.0021	Scrub
Mango	Leaves	14.7	0.023	0.015	0.0021	Scrub
Umbrella Thorn Acacia	Leaves	14.7	0.023	0.015	0.0021	Scrub
Neem	Leaves	14.7	0.023	0.015	0.0021	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Mango	Branches	14.7	0.019	0.013	0.0018	Scrub
Mango	Twigs	14.7	0.019	0.013	0.0018	Scrub
Cottonwood	Branches	14.7	0.019	0.013	0.0018	Scrub
Cottonwood	Twigs	14.7	0.019	0.013	0.0018	Scrub
Neem	Bark	14.7	0.019	0.013	0.0018	Scrub
Neem	Twigs	14.7	0.019	0.013	0.0018	Scrub
Mango	Bark	14.7	0.019	0.013	0.0018	Scrub
Umbrella Thorn Acacia	Twigs	14.7	0.019	0.013	0.0018	Scrub
Neem	Branches	14.7	0.019	0.013	0.0018	Scrub
Umbrella Thorn Acacia	Branches	14.7	0.019	0.013	0.0018	Scrub
Cottonwood	Bark	14.7	0.019	0.013	0.0018	Scrub
Umbrella Thorn Acacia	Bark	14.7	0.019	0.013	0.0018	Scrub
Total		111.7	124.3	82.1	11.5	

State Level District Wise

State level District-wise Data for Haryana ; Biomass Class : Forest					
District	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	
Gurgaon	38.0	61.9	40.8	5.7	
Panchkula	34.6	32.5	21.5	3.0	
Yamunanagar	17.5	12.3	8.1	1.1	
Faridabad	8.1	5.5	3.7	0.51	
Ambala	3.7	5.3	3.5	0.49	
Kurukshetra	2.0	3.1	2.0	0.29	
Kaithal	6.7	2.4	1.6	0.22	
Jind	0.56	1.1	0.71	0.099	
Mahendragarh	0.22	0.15	0.10	0.014	
Jhajjar	0.26	0.072	0.047	0.0066	
Total	111.7	124.3	82.1	11.5	

State Level Taluk Wise

State level Taluk-wise Data for Haryana ; Biomass Class : Forest					
District	Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gurgaon	Gurgaon	38.0	61.9	40.8	5.7
Panchkula	Kalka	34.6	32.5	21.5	3.0
Yamunanagar	Jagadiri	17.5	12.3	8.1	1.1
Faridabad	Ballabgarh	8.1	5.5	3.7	0.51
Ambala	Narayangarh	3.7	5.3	3.5	0.49
Kurukshetra	Pehowa	1.6	3.0	2.0	0.28
Kaithal	Gulha	4.7	1.3	0.85	0.12
Kaithal	Kaithal	2.0	1.1	0.75	0.11
Jind	Jind	0.56	1.1	0.71	0.099
Mahendragarh	Mahendragarh	0.22	0.15	0.10	0.014
Kurukshetra	Thanesar	0.45	0.12	0.082	0.012
Jhajjar	Jhajjar	0.26	0.072	0.047	0.0066
Total		111.7	124.3	82.1	11.5

District Level Residue Wise

District level Residue-wise Data for Ambala; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.5	0.30	0.20	0.027	Dense Forest
Eucalyptus	Leaves	2.5	0.28	0.19	0.026	Dense Forest
Others	Leaves	2.5	0.26	0.17	0.024	Dense Forest
Babul	Bark	2.5	0.25	0.17	0.024	Dense Forest
Babul	Branches	2.5	0.25	0.17	0.024	Dense Forest
Babul	Twigs	2.5	0.25	0.17	0.024	Dense Forest
Eucalyptus	Bark	2.5	0.24	0.16	0.022	Dense Forest
Eucalyptus	Branches	2.5	0.24	0.16	0.022	Dense Forest
Eucalyptus	Twigs	2.5	0.24	0.16	0.022	Dense Forest
Others	Bark	2.5	0.22	0.15	0.020	Dense Forest
Others	Branches	2.5	0.22	0.15	0.020	Dense Forest
Others	Twigs	2.5	0.22	0.15	0.020	Dense Forest
Jand,Kandi	Leaves	2.5	0.20	0.13	0.019	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Twigs	2.5	0.17	0.11	0.016	Dense Forest
Jand,Kandi	Bark	2.5	0.17	0.11	0.016	Dense Forest
Jand,Kandi	Branches	2.5	0.17	0.11	0.016	Dense Forest
Shisham	Leaves	2.5	0.16	0.11	0.015	Dense Forest
Shisham	Bark	2.5	0.14	0.092	0.013	Dense Forest
Shisham	Branches	2.5	0.14	0.092	0.013	Dense Forest
Shisham	Twigs	2.5	0.14	0.092	0.013	Dense Forest
Salvadora Spp.	Leaves	2.5	0.041	0.027	0.0037	Dense Forest
Salvadora Spp.	Twigs	2.5	0.035	0.023	0.0032	Dense Forest
Salvadora Spp.	Bark	2.5	0.035	0.023	0.0032	Dense Forest
Salvadora Spp.	Branches	2.5	0.035	0.023	0.0032	Dense Forest
Mango	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Cottonwood	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Neem	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Umbrella Thorn Acacia	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Mango	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Mango	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Mango	Twigs	2.5	0.023	0.015	0.0021	Dense Forest
Neem	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Neem	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Cottonwood	Twigs	2.5	0.023	0.015	0.0021	Dense Forest
Cottonwood	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Cottonwood	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Umbrella Thorn Acacia	Twigs	2.5	0.023	0.015	0.0021	Dense Forest
Umbrella Thorn Acacia	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Umbrella Thorn Acacia	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Neem	Twigs	2.5	0.023	0.015	0.0021	Dense Forest
Babul	Leaves	0.95	0.016	0.011	0.0015	Scrub
Eucalyptus	Leaves	0.95	0.015	0.010	0.0014	Scrub
Others	Leaves	0.95	0.014	0.0091	0.0013	Scrub
Babul	Twigs	0.95	0.014	0.0091	0.0013	Scrub
Babul	Bark	0.95	0.014	0.0091	0.0013	Scrub
Babul	Branches	0.95	0.014	0.0091	0.0013	Scrub
Eucalyptus	Bark	0.95	0.013	0.0087	0.0012	Scrub
Eucalyptus	Branches	0.95	0.013	0.0087	0.0012	Scrub
Eucalyptus	Twigs	0.95	0.013	0.0087	0.0012	Scrub
Others	Twigs	0.95	0.012	0.0078	0.0011	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Bark	0.95	0.012	0.0078	0.0011	Scrub
Others	Branches	0.95	0.012	0.0078	0.0011	Scrub
Babul	Leaves	0.28	0.012	0.0077	0.0011	Open Forest
Eucalyptus	Leaves	0.28	0.011	0.0073	0.0010	Open Forest
Jand,Kandi	Leaves	0.95	0.011	0.0072	0.0010	Scrub
Others	Leaves	0.28	0.010	0.0066	0.00093	Open Forest
Babul	Branches	0.28	0.0100	0.0066	0.00092	Open Forest
Babul	Bark	0.28	0.0100	0.0066	0.00092	Open Forest
Babul	Twigs	0.28	0.0100	0.0066	0.00092	Open Forest
Eucalyptus	Branches	0.28	0.0095	0.0063	0.00088	Open Forest
Eucalyptus	Bark	0.28	0.0095	0.0063	0.00088	Open Forest
Eucalyptus	Twigs	0.28	0.0095	0.0063	0.00088	Open Forest
Jand,Kandi	Twigs	0.95	0.0093	0.0062	0.00086	Scrub
Jand,Kandi	Bark	0.95	0.0093	0.0062	0.00086	Scrub
Jand,Kandi	Branches	0.95	0.0093	0.0062	0.00086	Scrub
Shisham	Leaves	0.95	0.0087	0.0058	0.00081	Scrub
Others	Branches	0.28	0.0086	0.0057	0.00080	Open Forest
Others	Bark	0.28	0.0086	0.0057	0.00080	Open Forest
Others	Twigs	0.28	0.0086	0.0057	0.00080	Open Forest
Jand,Kandi	Leaves	0.28	0.0080	0.0053	0.00074	Open Forest
Shisham	Twigs	0.95	0.0075	0.0049	0.00069	Scrub
Shisham	Bark	0.95	0.0075	0.0049	0.00069	Scrub
Shisham	Branches	0.95	0.0075	0.0049	0.00069	Scrub
Jand,Kandi	Twigs	0.28	0.0068	0.0045	0.00063	Open Forest
Jand,Kandi	Branches	0.28	0.0068	0.0045	0.00063	Open Forest
Jand,Kandi	Bark	0.28	0.0068	0.0045	0.00063	Open Forest
Shisham	Leaves	0.28	0.0063	0.0042	0.00059	Open Forest
Shisham	Branches	0.28	0.0054	0.0036	0.00050	Open Forest
Shisham	Bark	0.28	0.0054	0.0036	0.00050	Open Forest
Shisham	Twigs	0.28	0.0054	0.0036	0.00050	Open Forest
Salvadora Spp.	Leaves	0.95	0.0022	0.0014	0.00020	Scrub
Salvadora Spp.	Twigs	0.95	0.0019	0.0012	0.00017	Scrub
Salvadora Spp.	Bark	0.95	0.0019	0.0012	0.00017	Scrub
Salvadora Spp.	Branches	0.95	0.0019	0.0012	0.00017	Scrub
Salvadora Spp.	Leaves	0.28	0.0016	0.0010	0.00015	Open Forest
Mango	Leaves	0.95	0.0015	0.00096	0.00013	Scrub
Cottonwood	Leaves	0.95	0.0015	0.00096	0.00013	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Leaves	0.95	0.0015	0.00096	0.00013	Scrub
Umbrella Thorn Acacia	Leaves	0.95	0.0015	0.00096	0.00013	Scrub
Salvadora Spp.	Twigs	0.28	0.0014	0.00090	0.00013	Open Forest
Salvadora Spp.	Branches	0.28	0.0014	0.00090	0.00013	Open Forest
Salvadora Spp.	Bark	0.28	0.0014	0.00090	0.00013	Open Forest
Mango	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Mango	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Mango	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Neem	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Neem	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Neem	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Umbrella Thorn Acacia	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Umbrella Thorn Acacia	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Umbrella Thorn Acacia	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest
Mango	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest
Umbrella Thorn Acacia	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest
Neem	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest
Mango	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Mango	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Mango	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Neem	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Neem	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Cottonwood	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Cottonwood	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Cottonwood	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Neem	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Umbrella Thorn Acacia	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Umbrella Thorn Acacia	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Umbrella Thorn Acacia	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Total		3.7	5.3	3.5	0.49	

District level Residue-wise Data for Faridabad; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	8.1	0.34	0.23	0.032	Open Forest
Eucalyptus	Leaves	8.1	0.33	0.22	0.030	Open Forest
Others	Leaves	8.1	0.29	0.19	0.027	Open Forest
Babul	Twigs	8.1	0.29	0.19	0.027	Open Forest
Babul	Bark	8.1	0.29	0.19	0.027	Open Forest
Babul	Branches	8.1	0.29	0.19	0.027	Open Forest
Eucalyptus	Twigs	8.1	0.28	0.18	0.026	Open Forest
Eucalyptus	Bark	8.1	0.28	0.18	0.026	Open Forest
Eucalyptus	Branches	8.1	0.28	0.18	0.026	Open Forest
Others	Twigs	8.1	0.25	0.17	0.023	Open Forest
Others	Bark	8.1	0.25	0.17	0.023	Open Forest
Others	Branches	8.1	0.25	0.17	0.023	Open Forest
Jand,Kandi	Leaves	8.1	0.23	0.15	0.022	Open Forest
Jand,Kandi	Twigs	8.1	0.20	0.13	0.018	Open Forest
Jand,Kandi	Bark	8.1	0.20	0.13	0.018	Open Forest
Jand,Kandi	Branches	8.1	0.20	0.13	0.018	Open Forest
Shisham	Leaves	8.1	0.19	0.12	0.017	Open Forest
Shisham	Twigs	8.1	0.16	0.11	0.015	Open Forest
Shisham	Bark	8.1	0.16	0.11	0.015	Open Forest
Shisham	Branches	8.1	0.16	0.11	0.015	Open Forest
Salvadora Spp.	Leaves	8.1	0.047	0.031	0.0043	Open Forest
Salvadora Spp.	Twigs	8.1	0.040	0.026	0.0037	Open Forest
Salvadora Spp.	Bark	8.1	0.040	0.026	0.0037	Open Forest
Salvadora Spp.	Branches	8.1	0.040	0.026	0.0037	Open Forest
Mango	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Cottonwood	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Neem	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Umbrella Thorn Acacia	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Umbrella Thorn Acacia	Twigs	8.1	0.027	0.018	0.0025	Open Forest
Umbrella Thorn Acacia	Bark	8.1	0.027	0.018	0.0025	Open Forest
Umbrella Thorn Acacia	Branches	8.1	0.027	0.018	0.0025	Open Forest
Neem	Twigs	8.1	0.027	0.018	0.0025	Open Forest
Mango	Twigs	8.1	0.027	0.018	0.0025	Open Forest
Neem	Bark	8.1	0.027	0.018	0.0025	Open Forest
Neem	Branches	8.1	0.027	0.018	0.0025	Open Forest
Cottonwood	Twigs	8.1	0.027	0.018	0.0025	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	8.1	0.027	0.018	0.0025	Open Forest
Cottonwood	Branches	8.1	0.027	0.018	0.0025	Open Forest
Mango	Bark	8.1	0.027	0.018	0.0025	Open Forest
Mango	Branches	8.1	0.027	0.018	0.0025	Open Forest
Total		8.1	5.5	3.7	0.51	

District level Residue-wise Data for Gurgaon; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	29.0	3.4	2.3	0.32	Dense Forest
Eucalyptus	Leaves	29.0	3.3	2.2	0.30	Dense Forest
Others	Leaves	29.0	3.0	2.0	0.27	Dense Forest
Babul	Bark	29.0	2.9	1.9	0.27	Dense Forest
Babul	Branches	29.0	2.9	1.9	0.27	Dense Forest
Babul	Twigs	29.0	2.9	1.9	0.27	Dense Forest
Eucalyptus	Twigs	29.0	2.8	1.9	0.26	Dense Forest
Eucalyptus	Bark	29.0	2.8	1.9	0.26	Dense Forest
Eucalyptus	Branches	29.0	2.8	1.9	0.26	Dense Forest
Others	Twigs	29.0	2.5	1.7	0.23	Dense Forest
Others	Bark	29.0	2.5	1.7	0.23	Dense Forest
Others	Branches	29.0	2.5	1.7	0.23	Dense Forest
Jand,Kandi	Leaves	29.0	2.4	1.6	0.22	Dense Forest
Jand,Kandi	Twigs	29.0	2.0	1.3	0.18	Dense Forest
Jand,Kandi	Bark	29.0	2.0	1.3	0.18	Dense Forest
Jand,Kandi	Branches	29.0	2.0	1.3	0.18	Dense Forest
Shisham	Leaves	29.0	1.9	1.2	0.17	Dense Forest
Shisham	Twigs	29.0	1.6	1.1	0.15	Dense Forest
Shisham	Bark	29.0	1.6	1.1	0.15	Dense Forest
Shisham	Branches	29.0	1.6	1.1	0.15	Dense Forest
Salvadora Spp.	Leaves	29.0	0.47	0.31	0.043	Dense Forest
Salvadora Spp.	Twigs	29.0	0.40	0.26	0.037	Dense Forest
Salvadora Spp.	Bark	29.0	0.40	0.26	0.037	Dense Forest
Salvadora Spp.	Branches	29.0	0.40	0.26	0.037	Dense Forest
Babul	Leaves	8.9	0.38	0.25	0.035	Open Forest
Eucalyptus	Leaves	8.9	0.36	0.24	0.033	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Leaves	8.9	0.33	0.22	0.030	Open Forest
Babul	Twigs	8.9	0.32	0.21	0.030	Open Forest
Babul	Branches	8.9	0.32	0.21	0.030	Open Forest
Babul	Bark	8.9	0.32	0.21	0.030	Open Forest
Cottonwood	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Mango	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Neem	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Umbrella Thorn Acacia	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Eucalyptus	Twigs	8.9	0.31	0.20	0.029	Open Forest
Eucalyptus	Branches	8.9	0.31	0.20	0.029	Open Forest
Eucalyptus	Bark	8.9	0.31	0.20	0.029	Open Forest
Others	Twigs	8.9	0.28	0.18	0.026	Open Forest
Others	Branches	8.9	0.28	0.18	0.026	Open Forest
Others	Bark	8.9	0.28	0.18	0.026	Open Forest
Mango	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Mango	Bark	29.0	0.27	0.18	0.025	Dense Forest
Mango	Branches	29.0	0.27	0.18	0.025	Dense Forest
Neem	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Neem	Bark	29.0	0.27	0.18	0.025	Dense Forest
Neem	Branches	29.0	0.27	0.18	0.025	Dense Forest
Cottonwood	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Cottonwood	Branches	29.0	0.27	0.18	0.025	Dense Forest
Cottonwood	Bark	29.0	0.27	0.18	0.025	Dense Forest
Umbrella Thorn Acacia	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Umbrella Thorn Acacia	Bark	29.0	0.27	0.18	0.025	Dense Forest
Umbrella Thorn Acacia	Branches	29.0	0.27	0.18	0.025	Dense Forest
Jand,Kandi	Leaves	8.9	0.26	0.17	0.024	Open Forest
Jand,Kandi	Twigs	8.9	0.22	0.15	0.020	Open Forest
Jand,Kandi	Branches	8.9	0.22	0.15	0.020	Open Forest
Jand,Kandi	Bark	8.9	0.22	0.15	0.020	Open Forest
Shisham	Leaves	8.9	0.21	0.14	0.019	Open Forest
Shisham	Twigs	8.9	0.18	0.12	0.016	Open Forest
Shisham	Branches	8.9	0.18	0.12	0.016	Open Forest
Shisham	Bark	8.9	0.18	0.12	0.016	Open Forest
Salvadora Spp.	Leaves	8.9	0.052	0.034	0.0048	Open Forest
Salvadora Spp.	Twigs	8.9	0.044	0.029	0.0041	Open Forest
Salvadora Spp.	Branches	8.9	0.044	0.029	0.0041	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Salvadora Spp.	Bark	8.9	0.044	0.029	0.0041	Open Forest
Mango	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Cottonwood	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Neem	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Umbrella Thorn Acacia	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Umbrella Thorn Acacia	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Umbrella Thorn Acacia	Branches	8.9	0.029	0.019	0.0027	Open Forest
Umbrella Thorn Acacia	Bark	8.9	0.029	0.019	0.0027	Open Forest
Neem	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Neem	Branches	8.9	0.029	0.019	0.0027	Open Forest
Neem	Bark	8.9	0.029	0.019	0.0027	Open Forest
Mango	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Mango	Branches	8.9	0.029	0.019	0.0027	Open Forest
Mango	Bark	8.9	0.029	0.019	0.0027	Open Forest
Cottonwood	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Cottonwood	Branches	8.9	0.029	0.019	0.0027	Open Forest
Cottonwood	Bark	8.9	0.029	0.019	0.0027	Open Forest
Total		38.0	61.9	40.8	5.7	

District level Residue-wise Data for Jhajjar; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.26	0.0044	0.0029	0.00041	Scrub
Eucalyptus	Leaves	0.26	0.0042	0.0028	0.00039	Scrub
Others	Leaves	0.26	0.0038	0.0025	0.00035	Scrub
Babul	Twigs	0.26	0.0038	0.0025	0.00035	Scrub
Babul	Bark	0.26	0.0038	0.0025	0.00035	Scrub
Babul	Branches	0.26	0.0038	0.0025	0.00035	Scrub
Eucalyptus	Twigs	0.26	0.0036	0.0024	0.00033	Scrub
Eucalyptus	Bark	0.26	0.0036	0.0024	0.00033	Scrub
Eucalyptus	Branches	0.26	0.0036	0.0024	0.00033	Scrub
Others	Twigs	0.26	0.0033	0.0022	0.00030	Scrub
Others	Bark	0.26	0.0033	0.0022	0.00030	Scrub
Others	Branches	0.26	0.0033	0.0022	0.00030	Scrub
Jand,Kandi	Leaves	0.26	0.0030	0.0020	0.00028	Scrub
Jand,Kandi	Twigs	0.26	0.0026	0.0017	0.00024	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Bark	0.26	0.0026	0.0017	0.00024	Scrub
Jand,Kandi	Branches	0.26	0.0026	0.0017	0.00024	Scrub
Shisham	Leaves	0.26	0.0024	0.0016	0.00022	Scrub
Shisham	Twigs	0.26	0.0021	0.0014	0.00019	Scrub
Shisham	Bark	0.26	0.0021	0.0014	0.00019	Scrub
Shisham	Branches	0.26	0.0021	0.0014	0.00019	Scrub
Salvadora Spp.	Leaves	0.26	0.00060	0.00040	5.57E-05	Scrub
Salvadora Spp.	Twigs	0.26	0.00052	0.00034	4.77E-05	Scrub
Salvadora Spp.	Bark	0.26	0.00052	0.00034	4.77E-05	Scrub
Salvadora Spp.	Branches	0.26	0.00052	0.00034	4.77E-05	Scrub
Mango	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Cottonwood	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Neem	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Umbrella Thorn Acacia	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Umbrella Thorn Acacia	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Umbrella Thorn Acacia	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Umbrella Thorn Acacia	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Neem	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Mango	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Neem	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Neem	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Cottonwood	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Cottonwood	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Cottonwood	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Mango	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Mango	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Total		0.26	0.072	0.047	0.0066	

District level Residue-wise Data for Jind; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.56	0.066	0.044	0.0061	Dense Forest
Eucalyptus	Leaves	0.56	0.063	0.042	0.0058	Dense Forest
Others	Leaves	0.56	0.057	0.038	0.0053	Dense Forest
Babul	Twigs	0.56	0.057	0.037	0.0052	Dense Forest
Babul	Bark	0.56	0.057	0.037	0.0052	Dense Forest
Babul	Branches	0.56	0.057	0.037	0.0052	Dense Forest
Eucalyptus	Twigs	0.56	0.054	0.036	0.0050	Dense Forest
Eucalyptus	Bark	0.56	0.054	0.036	0.0050	Dense Forest
Eucalyptus	Branches	0.56	0.054	0.036	0.0050	Dense Forest
Others	Twigs	0.56	0.049	0.032	0.0045	Dense Forest
Others	Bark	0.56	0.049	0.032	0.0045	Dense Forest
Others	Branches	0.56	0.049	0.032	0.0045	Dense Forest
Jand,Kandi	Leaves	0.56	0.045	0.030	0.0042	Dense Forest
Jand,Kandi	Twigs	0.56	0.038	0.025	0.0036	Dense Forest
Jand,Kandi	Bark	0.56	0.038	0.025	0.0036	Dense Forest
Jand,Kandi	Branches	0.56	0.038	0.025	0.0036	Dense Forest
Shisham	Leaves	0.56	0.036	0.024	0.0033	Dense Forest
Shisham	Twigs	0.56	0.031	0.020	0.0029	Dense Forest
Shisham	Bark	0.56	0.031	0.020	0.0029	Dense Forest
Shisham	Branches	0.56	0.031	0.020	0.0029	Dense Forest
Salvadora Spp.	Leaves	0.56	0.0090	0.0059	0.00083	Dense Forest
Salvadora Spp.	Twigs	0.56	0.0077	0.0051	0.00071	Dense Forest
Salvadora Spp.	Bark	0.56	0.0077	0.0051	0.00071	Dense Forest
Salvadora Spp.	Branches	0.56	0.0077	0.0051	0.00071	Dense Forest
Mango	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Cottonwood	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Neem	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Umbrella Thorn Acacia	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Mango	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Mango	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Mango	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest
Cottonwood	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Cottonwood	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Cottonwood	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest
Neem	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Neem	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Umbrella Thorn Acacia	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Umbrella Thorn Acacia	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Umbrella Thorn Acacia	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest
Total		0.56	1.1	0.71	0.099	

District level Residue-wise Data for Kaithal; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	6.3	0.11	0.070	0.0098	Scrub
Eucalyptus	Leaves	6.3	0.10	0.067	0.0093	Scrub
Others	Leaves	6.3	0.091	0.060	0.0084	Scrub
Babul	Branches	6.3	0.091	0.060	0.0084	Scrub
Babul	Bark	6.3	0.091	0.060	0.0084	Scrub
Babul	Twigs	6.3	0.091	0.060	0.0084	Scrub
Eucalyptus	Branches	6.3	0.087	0.057	0.0080	Scrub
Eucalyptus	Bark	6.3	0.087	0.057	0.0080	Scrub
Eucalyptus	Twigs	6.3	0.087	0.057	0.0080	Scrub
Others	Twigs	6.3	0.078	0.052	0.0072	Scrub
Others	Bark	6.3	0.078	0.052	0.0072	Scrub
Others	Branches	6.3	0.078	0.052	0.0072	Scrub
Jand,Kandi	Leaves	6.3	0.073	0.048	0.0067	Scrub
Jand,Kandi	Branches	6.3	0.062	0.041	0.0057	Scrub
Jand,Kandi	Bark	6.3	0.062	0.041	0.0057	Scrub
Jand,Kandi	Twigs	6.3	0.062	0.041	0.0057	Scrub
Shisham	Leaves	6.3	0.058	0.038	0.0053	Scrub
Shisham	Twigs	6.3	0.049	0.033	0.0046	Scrub
Shisham	Bark	6.3	0.049	0.033	0.0046	Scrub
Shisham	Branches	6.3	0.049	0.033	0.0046	Scrub
Babul	Leaves	0.35	0.042	0.027	0.0038	Dense Forest
Eucalyptus	Leaves	0.35	0.040	0.026	0.0037	Dense Forest
Others	Leaves	0.35	0.036	0.024	0.0033	Dense Forest
Babul	Twigs	0.35	0.036	0.024	0.0033	Dense Forest
Babul	Branches	0.35	0.036	0.024	0.0033	Dense Forest
Babul	Bark	0.35	0.036	0.024	0.0033	Dense Forest
Eucalyptus	Twigs	0.35	0.034	0.022	0.0031	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Eucalyptus	Branches	0.35	0.034	0.022	0.0031	Dense Forest
Eucalyptus	Bark	0.35	0.034	0.022	0.0031	Dense Forest
Others	Branches	0.35	0.031	0.020	0.0028	Dense Forest
Others	Bark	0.35	0.031	0.020	0.0028	Dense Forest
Others	Twigs	0.35	0.031	0.020	0.0028	Dense Forest
Jand,Kandi	Leaves	0.35	0.029	0.019	0.0026	Dense Forest
Jand,Kandi	Twigs	0.35	0.024	0.016	0.0022	Dense Forest
Jand,Kandi	Branches	0.35	0.024	0.016	0.0022	Dense Forest
Jand,Kandi	Bark	0.35	0.024	0.016	0.0022	Dense Forest
Shisham	Leaves	0.35	0.023	0.015	0.0021	Dense Forest
Shisham	Branches	0.35	0.019	0.013	0.0018	Dense Forest
Shisham	Bark	0.35	0.019	0.013	0.0018	Dense Forest
Shisham	Twigs	0.35	0.019	0.013	0.0018	Dense Forest
Salvadora Spp.	Leaves	6.3	0.014	0.0095	0.0013	Scrub
Salvadora Spp.	Twigs	6.3	0.012	0.0082	0.0011	Scrub
Salvadora Spp.	Bark	6.3	0.012	0.0082	0.0011	Scrub
Salvadora Spp.	Branches	6.3	0.012	0.0082	0.0011	Scrub
Mango	Leaves	6.3	0.0096	0.0063	0.00089	Scrub
Cottonwood	Leaves	6.3	0.0096	0.0063	0.00089	Scrub
Neem	Leaves	6.3	0.0096	0.0063	0.00089	Scrub
Umbrella Thorn Acacia	Leaves	6.3	0.0096	0.0063	0.00089	Scrub
Mango	Twigs	6.3	0.0082	0.0054	0.00076	Scrub
Mango	Branches	6.3	0.0082	0.0054	0.00076	Scrub
Mango	Bark	6.3	0.0082	0.0054	0.00076	Scrub
Neem	Bark	6.3	0.0082	0.0054	0.00076	Scrub
Neem	Branches	6.3	0.0082	0.0054	0.00076	Scrub
Cottonwood	Twigs	6.3	0.0082	0.0054	0.00076	Scrub
Neem	Twigs	6.3	0.0082	0.0054	0.00076	Scrub
Cottonwood	Branches	6.3	0.0082	0.0054	0.00076	Scrub
Cottonwood	Bark	6.3	0.0082	0.0054	0.00076	Scrub
Umbrella Thorn Acacia	Twigs	6.3	0.0082	0.0054	0.00076	Scrub
Umbrella Thorn Acacia	Bark	6.3	0.0082	0.0054	0.00076	Scrub
Umbrella Thorn Acacia	Branches	6.3	0.0082	0.0054	0.00076	Scrub
Salvadora Spp.	Leaves	0.35	0.0057	0.0037	0.00052	Dense Forest
Salvadora Spp.	Branches	0.35	0.0049	0.0032	0.00045	Dense Forest
Salvadora Spp.	Bark	0.35	0.0049	0.0032	0.00045	Dense Forest
Salvadora Spp.	Twigs	0.35	0.0049	0.0032	0.00045	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Mango	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Cottonwood	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Neem	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Umbrella Thorn Acacia	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Mango	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Mango	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest
Mango	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Neem	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Neem	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest
Neem	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Cottonwood	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Cottonwood	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest
Cottonwood	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Umbrella Thorn Acacia	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest
Umbrella Thorn Acacia	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Umbrella Thorn Acacia	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Babul	Leaves	0.054	0.0023	0.0015	0.00021	Open Forest
Eucalyptus	Leaves	0.054	0.0022	0.0014	0.00020	Open Forest
Others	Leaves	0.054	0.0020	0.0013	0.00018	Open Forest
Babul	Twigs	0.054	0.0019	0.0013	0.00018	Open Forest
Babul	Bark	0.054	0.0019	0.0013	0.00018	Open Forest
Babul	Branches	0.054	0.0019	0.0013	0.00018	Open Forest
Eucalyptus	Twigs	0.054	0.0019	0.0012	0.00017	Open Forest
Eucalyptus	Bark	0.054	0.0019	0.0012	0.00017	Open Forest
Eucalyptus	Branches	0.054	0.0019	0.0012	0.00017	Open Forest
Others	Branches	0.054	0.0017	0.0011	0.00016	Open Forest
Others	Bark	0.054	0.0017	0.0011	0.00016	Open Forest
Others	Twigs	0.054	0.0017	0.0011	0.00016	Open Forest
Jand,Kandi	Leaves	0.054	0.0016	0.0010	0.00014	Open Forest
Jand,Kandi	Twigs	0.054	0.0013	0.00088	0.00012	Open Forest
Jand,Kandi	Bark	0.054	0.0013	0.00088	0.00012	Open Forest
Jand,Kandi	Branches	0.054	0.0013	0.00088	0.00012	Open Forest
Shisham	Leaves	0.054	0.0012	0.00082	0.00011	Open Forest
Shisham	Branches	0.054	0.0011	0.00070	9.82E-05	Open Forest
Shisham	Bark	0.054	0.0011	0.00070	9.82E-05	Open Forest
Shisham	Twigs	0.054	0.0011	0.00070	9.82E-05	Open Forest
Salvadora Spp.	Leaves	0.054	0.00031	0.00020	2.86E-05	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Salvadora Spp.	Branches	0.054	0.00027	0.00018	2.45E-05	Open Forest
Salvadora Spp.	Bark	0.054	0.00027	0.00018	2.45E-05	Open Forest
Salvadora Spp.	Twigs	0.054	0.00027	0.00018	2.45E-05	Open Forest
Mango	Leaves	0.054	0.00021	0.00014	1.91E-05	Open Forest
Cottonwood	Leaves	0.054	0.00021	0.00014	1.91E-05	Open Forest
Neem	Leaves	0.054	0.00021	0.00014	1.91E-05	Open Forest
Umbrella Thorn Acacia	Leaves	0.054	0.00021	0.00014	1.91E-05	Open Forest
Umbrella Thorn Acacia	Branches	0.054	0.00018	0.00012	1.64E-05	Open Forest
Umbrella Thorn Acacia	Bark	0.054	0.00018	0.00012	1.64E-05	Open Forest
Umbrella Thorn Acacia	Twigs	0.054	0.00018	0.00012	1.64E-05	Open Forest
Neem	Twigs	0.054	0.00018	0.00012	1.64E-05	Open Forest
Neem	Bark	0.054	0.00018	0.00012	1.64E-05	Open Forest
Neem	Branches	0.054	0.00018	0.00012	1.64E-05	Open Forest
Mango	Twigs	0.054	0.00018	0.00012	1.64E-05	Open Forest
Mango	Bark	0.054	0.00018	0.00012	1.64E-05	Open Forest
Mango	Branches	0.054	0.00018	0.00012	1.64E-05	Open Forest
Cottonwood	Twigs	0.054	0.00018	0.00012	1.64E-05	Open Forest
Cottonwood	Bark	0.054	0.00018	0.00012	1.64E-05	Open Forest
Cottonwood	Branches	0.054	0.00018	0.00012	1.64E-05	Open Forest
Total		6.7	2.4	1.6	0.22	

District level Residue-wise Data for Kurukshetra; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.6	0.18	0.12	0.017	Dense Forest
Eucalyptus	Leaves	1.6	0.18	0.12	0.016	Dense Forest
Others	Leaves	1.6	0.16	0.10	0.015	Dense Forest
Babul	Twigs	1.6	0.16	0.10	0.015	Dense Forest
Babul	Bark	1.6	0.16	0.10	0.015	Dense Forest
Babul	Branches	1.6	0.16	0.10	0.015	Dense Forest
Eucalyptus	Twigs	1.6	0.15	0.099	0.014	Dense Forest
Eucalyptus	Bark	1.6	0.15	0.099	0.014	Dense Forest
Eucalyptus	Branches	1.6	0.15	0.099	0.014	Dense Forest
Others	Twigs	1.6	0.14	0.090	0.013	Dense Forest
Others	Bark	1.6	0.14	0.090	0.013	Dense Forest
Others	Branches	1.6	0.14	0.090	0.013	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Leaves	1.6	0.13	0.083	0.012	Dense Forest
Jand,Kandi	Twigs	1.6	0.11	0.071	0.0099	Dense Forest
Jand,Kandi	Bark	1.6	0.11	0.071	0.0099	Dense Forest
Jand,Kandi	Branches	1.6	0.11	0.071	0.0099	Dense Forest
Shisham	Leaves	1.6	0.10	0.066	0.0092	Dense Forest
Shisham	Twigs	1.6	0.086	0.057	0.0079	Dense Forest
Shisham	Bark	1.6	0.086	0.057	0.0079	Dense Forest
Shisham	Branches	1.6	0.086	0.057	0.0079	Dense Forest
Salvadora Spp.	Leaves	1.6	0.025	0.017	0.0023	Dense Forest
Salvadora Spp.	Twigs	1.6	0.021	0.014	0.0020	Dense Forest
Salvadora Spp.	Bark	1.6	0.021	0.014	0.0020	Dense Forest
Salvadora Spp.	Branches	1.6	0.021	0.014	0.0020	Dense Forest
Mango	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Cottonwood	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Neem	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Umbrella Thorn Acacia	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Mango	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Mango	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Mango	Branches	1.6	0.014	0.0094	0.0013	Dense Forest
Neem	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Neem	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Neem	Branches	1.6	0.014	0.0094	0.0013	Dense Forest
Cottonwood	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Cottonwood	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Cottonwood	Branches	1.6	0.014	0.0094	0.0013	Dense Forest
Umbrella Thorn Acacia	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Umbrella Thorn Acacia	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Umbrella Thorn Acacia	Branches	1.6	0.014	0.0094	0.0013	Dense Forest
Babul	Leaves	0.45	0.0077	0.0051	0.00071	Scrub
Eucalyptus	Leaves	0.45	0.0073	0.0048	0.00068	Scrub
Others	Leaves	0.45	0.0066	0.0044	0.00061	Scrub
Babul	Twigs	0.45	0.0066	0.0043	0.00061	Scrub
Babul	Branches	0.45	0.0066	0.0043	0.00061	Scrub
Babul	Bark	0.45	0.0066	0.0043	0.00061	Scrub
Eucalyptus	Twigs	0.45	0.0063	0.0041	0.00058	Scrub
Eucalyptus	Branches	0.45	0.0063	0.0041	0.00058	Scrub
Eucalyptus	Bark	0.45	0.0063	0.0041	0.00058	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	0.45	0.0057	0.0037	0.00052	Scrub
Others	Branches	0.45	0.0057	0.0037	0.00052	Scrub
Others	Bark	0.45	0.0057	0.0037	0.00052	Scrub
Jand,Kandi	Leaves	0.45	0.0053	0.0035	0.00049	Scrub
Jand,Kandi	Twigs	0.45	0.0045	0.0030	0.00041	Scrub
Jand,Kandi	Branches	0.45	0.0045	0.0030	0.00041	Scrub
Jand,Kandi	Bark	0.45	0.0045	0.0030	0.00041	Scrub
Shisham	Leaves	0.45	0.0042	0.0028	0.00039	Scrub
Shisham	Twigs	0.45	0.0036	0.0024	0.00033	Scrub
Shisham	Branches	0.45	0.0036	0.0024	0.00033	Scrub
Shisham	Bark	0.45	0.0036	0.0024	0.00033	Scrub
Salvadora Spp.	Leaves	0.45	0.0010	0.00069	9.66E-05	Scrub
Salvadora Spp.	Twigs	0.45	0.00090	0.00059	8.28E-05	Scrub
Salvadora Spp.	Branches	0.45	0.00090	0.00059	8.28E-05	Scrub
Salvadora Spp.	Bark	0.45	0.00090	0.00059	8.28E-05	Scrub
Mango	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub
Cottonwood	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub
Neem	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub
Umbrella Thorn Acacia	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub
Mango	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Mango	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Mango	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Neem	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Neem	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Neem	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Cottonwood	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Cottonwood	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Cottonwood	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Umbrella Thorn Acacia	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Umbrella Thorn Acacia	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Umbrella Thorn Acacia	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Total		2.0	3.1	2.0	0.29	

District level Residue-wise Data for Mahendragarh; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.22	0.0094	0.0062	0.00087	Open Forest
Eucalyptus	Leaves	0.22	0.0090	0.0059	0.00083	Open Forest
Others	Leaves	0.22	0.0081	0.0054	0.00075	Open Forest
Babul	Twigs	0.22	0.0081	0.0053	0.00075	Open Forest
Babul	Bark	0.22	0.0081	0.0053	0.00075	Open Forest
Babul	Branches	0.22	0.0081	0.0053	0.00075	Open Forest
Eucalyptus	Twigs	0.22	0.0077	0.0051	0.00071	Open Forest
Eucalyptus	Bark	0.22	0.0077	0.0051	0.00071	Open Forest
Eucalyptus	Branches	0.22	0.0077	0.0051	0.00071	Open Forest
Others	Twigs	0.22	0.0070	0.0046	0.00064	Open Forest
Others	Bark	0.22	0.0070	0.0046	0.00064	Open Forest
Others	Branches	0.22	0.0070	0.0046	0.00064	Open Forest
Jand,Kandi	Leaves	0.22	0.0065	0.0043	0.00060	Open Forest
Jand,Kandi	Twigs	0.22	0.0055	0.0036	0.00051	Open Forest
Jand,Kandi	Bark	0.22	0.0055	0.0036	0.00051	Open Forest
Jand,Kandi	Branches	0.22	0.0055	0.0036	0.00051	Open Forest
Shisham	Leaves	0.22	0.0051	0.0034	0.00048	Open Forest
Shisham	Twigs	0.22	0.0044	0.0029	0.00041	Open Forest
Shisham	Bark	0.22	0.0044	0.0029	0.00041	Open Forest
Shisham	Branches	0.22	0.0044	0.0029	0.00041	Open Forest
Salvadora Spp.	Leaves	0.22	0.0013	0.00085	0.00012	Open Forest
Salvadora Spp.	Twigs	0.22	0.0011	0.00073	0.00010	Open Forest
Salvadora Spp.	Bark	0.22	0.0011	0.00073	0.00010	Open Forest
Salvadora Spp.	Branches	0.22	0.0011	0.00073	0.00010	Open Forest
Mango	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Cottonwood	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Neem	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Umbrella Thorn Acacia	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Mango	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Mango	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Mango	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest
Cottonwood	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Cottonwood	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Cottonwood	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest
Neem	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Neem	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Umbrella Thorn Acacia	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Umbrella Thorn Acacia	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Umbrella Thorn Acacia	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest
Total		0.22	0.15	0.10	0.014	

District level Residue-wise Data for Panchkula; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	8.9	1.1	0.70	0.098	Dense Forest
Eucalyptus	Leaves	8.9	1.0	0.66	0.093	Dense Forest
Others	Leaves	8.9	0.91	0.60	0.084	Dense Forest
Babul	Twigs	8.9	0.90	0.60	0.084	Dense Forest
Babul	Bark	8.9	0.90	0.60	0.084	Dense Forest
Babul	Branches	8.9	0.90	0.60	0.084	Dense Forest
Eucalyptus	Twigs	8.9	0.86	0.57	0.080	Dense Forest
Eucalyptus	Bark	8.9	0.86	0.57	0.080	Dense Forest
Eucalyptus	Branches	8.9	0.86	0.57	0.080	Dense Forest
Babul	Leaves	20.3	0.86	0.57	0.079	Open Forest
Eucalyptus	Leaves	20.3	0.82	0.54	0.076	Open Forest
Others	Twigs	8.9	0.78	0.52	0.072	Dense Forest
Others	Bark	8.9	0.78	0.52	0.072	Dense Forest
Others	Branches	8.9	0.78	0.52	0.072	Dense Forest
Others	Leaves	20.3	0.74	0.49	0.068	Open Forest
Babul	Twigs	20.3	0.74	0.49	0.068	Open Forest
Babul	Branches	20.3	0.74	0.49	0.068	Open Forest
Babul	Bark	20.3	0.74	0.49	0.068	Open Forest
Jand,Kandi	Leaves	8.9	0.72	0.48	0.067	Dense Forest
Eucalyptus	Twigs	20.3	0.70	0.46	0.065	Open Forest
Eucalyptus	Branches	20.3	0.70	0.46	0.065	Open Forest
Eucalyptus	Bark	20.3	0.70	0.46	0.065	Open Forest
Others	Twigs	20.3	0.64	0.42	0.059	Open Forest
Others	Branches	20.3	0.64	0.42	0.059	Open Forest
Others	Bark	20.3	0.64	0.42	0.059	Open Forest
Jand,Kandi	Twigs	8.9	0.62	0.41	0.057	Dense Forest
Jand,Kandi	Bark	8.9	0.62	0.41	0.057	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Branches	8.9	0.62	0.41	0.057	Dense Forest
Jand,Kandi	Leaves	20.3	0.59	0.39	0.054	Open Forest
Shisham	Leaves	8.9	0.58	0.38	0.053	Dense Forest
Jand,Kandi	Twigs	20.3	0.50	0.33	0.046	Open Forest
Jand,Kandi	Branches	20.3	0.50	0.33	0.046	Open Forest
Jand,Kandi	Bark	20.3	0.50	0.33	0.046	Open Forest
Shisham	Twigs	8.9	0.49	0.33	0.046	Dense Forest
Shisham	Bark	8.9	0.49	0.33	0.046	Dense Forest
Shisham	Branches	8.9	0.49	0.33	0.046	Dense Forest
Shisham	Leaves	20.3	0.47	0.31	0.043	Open Forest
Shisham	Twigs	20.3	0.40	0.26	0.037	Open Forest
Shisham	Branches	20.3	0.40	0.26	0.037	Open Forest
Shisham	Bark	20.3	0.40	0.26	0.037	Open Forest
Salvadora Spp.	Leaves	8.9	0.14	0.095	0.013	Dense Forest
Salvadora Spp.	Twigs	8.9	0.12	0.081	0.011	Dense Forest
Salvadora Spp.	Bark	8.9	0.12	0.081	0.011	Dense Forest
Salvadora Spp.	Branches	8.9	0.12	0.081	0.011	Dense Forest
Salvadora Spp.	Leaves	20.3	0.12	0.077	0.011	Open Forest
Salvadora Spp.	Twigs	20.3	0.10	0.066	0.0093	Open Forest
Salvadora Spp.	Branches	20.3	0.10	0.066	0.0093	Open Forest
Salvadora Spp.	Bark	20.3	0.10	0.066	0.0093	Open Forest
Mango	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Cottonwood	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Neem	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Umbrella Thorn Acacia	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Babul	Leaves	5.4	0.091	0.060	0.0084	Scrub
Eucalyptus	Leaves	5.4	0.087	0.057	0.0080	Scrub
Mango	Twigs	8.9	0.082	0.054	0.0076	Dense Forest
Mango	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Mango	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Neem	Twigs	8.9	0.082	0.054	0.0076	Dense Forest
Neem	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Neem	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Cottonwood	Twigs	8.9	0.082	0.054	0.0076	Dense Forest
Cottonwood	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Cottonwood	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Umbrella Thorn Acacia	Twigs	8.9	0.082	0.054	0.0076	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Umbrella Thorn Acacia	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Others	Leaves	5.4	0.079	0.052	0.0073	Scrub
Babul	Twigs	5.4	0.078	0.052	0.0072	Scrub
Babul	Bark	5.4	0.078	0.052	0.0072	Scrub
Babul	Branches	5.4	0.078	0.052	0.0072	Scrub
Cottonwood	Leaves	20.3	0.078	0.051	0.0072	Open Forest
Mango	Leaves	20.3	0.078	0.051	0.0072	Open Forest
Neem	Leaves	20.3	0.078	0.051	0.0072	Open Forest
Umbrella Thorn Acacia	Leaves	20.3	0.078	0.051	0.0072	Open Forest
Eucalyptus	Twigs	5.4	0.075	0.049	0.0069	Scrub
Eucalyptus	Bark	5.4	0.075	0.049	0.0069	Scrub
Eucalyptus	Branches	5.4	0.075	0.049	0.0069	Scrub
Others	Twigs	5.4	0.067	0.045	0.0062	Scrub
Others	Bark	5.4	0.067	0.045	0.0062	Scrub
Others	Branches	5.4	0.067	0.045	0.0062	Scrub
Mango	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Mango	Branches	20.3	0.067	0.044	0.0062	Open Forest
Mango	Bark	20.3	0.067	0.044	0.0062	Open Forest
Neem	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Neem	Branches	20.3	0.067	0.044	0.0062	Open Forest
Neem	Bark	20.3	0.067	0.044	0.0062	Open Forest
Cottonwood	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Cottonwood	Branches	20.3	0.067	0.044	0.0062	Open Forest
Cottonwood	Bark	20.3	0.067	0.044	0.0062	Open Forest
Umbrella Thorn Acacia	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Umbrella Thorn Acacia	Branches	20.3	0.067	0.044	0.0062	Open Forest
Umbrella Thorn Acacia	Bark	20.3	0.067	0.044	0.0062	Open Forest
Jand,Kandi	Leaves	5.4	0.062	0.041	0.0058	Scrub
Jand,Kandi	Twigs	5.4	0.053	0.035	0.0049	Scrub
Jand,Kandi	Bark	5.4	0.053	0.035	0.0049	Scrub
Jand,Kandi	Branches	5.4	0.053	0.035	0.0049	Scrub
Shisham	Leaves	5.4	0.050	0.033	0.0046	Scrub
Shisham	Twigs	5.4	0.043	0.028	0.0039	Scrub
Shisham	Bark	5.4	0.043	0.028	0.0039	Scrub
Shisham	Branches	5.4	0.043	0.028	0.0039	Scrub
Salvadora Spp.	Leaves	5.4	0.012	0.0082	0.0011	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Salvadora Spp.	Twigs	5.4	0.011	0.0070	0.00098	Scrub
Salvadora Spp.	Bark	5.4	0.011	0.0070	0.00098	Scrub
Salvadora Spp.	Branches	5.4	0.011	0.0070	0.00098	Scrub
Mango	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Cottonwood	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Neem	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Umbrella Thorn Acacia	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Mango	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Mango	Bark	5.4	0.0071	0.0047	0.00066	Scrub
Mango	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Neem	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Neem	Bark	5.4	0.0071	0.0047	0.00066	Scrub
Neem	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Cottonwood	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Cottonwood	Bark	5.4	0.0071	0.0047	0.00066	Scrub
Cottonwood	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Umbrella Thorn Acacia	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Umbrella Thorn Acacia	Bark	5.4	0.0071	0.0047	0.00066	Scrub
Umbrella Thorn Acacia	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Total		34.6	32.5	21.5	3.0	

District level Residue-wise Data for Yamunanagar; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	15.5	0.65	0.43	0.060	Open Forest
Eucalyptus	Leaves	15.5	0.62	0.41	0.058	Open Forest
Others	Leaves	15.5	0.56	0.37	0.052	Open Forest
Babul	Branches	15.5	0.56	0.37	0.052	Open Forest
Babul	Bark	15.5	0.56	0.37	0.052	Open Forest
Babul	Twigs	15.5	0.56	0.37	0.052	Open Forest
Eucalyptus	Bark	15.5	0.53	0.35	0.049	Open Forest
Eucalyptus	Branches	15.5	0.53	0.35	0.049	Open Forest
Eucalyptus	Twigs	15.5	0.53	0.35	0.049	Open Forest
Others	Branches	15.5	0.48	0.32	0.045	Open Forest
Others	Bark	15.5	0.48	0.32	0.045	Open Forest
Others	Twigs	15.5	0.48	0.32	0.045	Open Forest
Jand,Kandi	Leaves	15.5	0.45	0.30	0.041	Open Forest
Jand,Kandi	Twigs	15.5	0.38	0.25	0.035	Open Forest
Jand,Kandi	Bark	15.5	0.38	0.25	0.035	Open Forest
Jand,Kandi	Branches	15.5	0.38	0.25	0.035	Open Forest
Shisham	Leaves	15.5	0.36	0.24	0.033	Open Forest
Shisham	Twigs	15.5	0.31	0.20	0.028	Open Forest
Shisham	Branches	15.5	0.31	0.20	0.028	Open Forest
Shisham	Bark	15.5	0.31	0.20	0.028	Open Forest
Salvadora Spp.	Leaves	15.5	0.089	0.059	0.0082	Open Forest
Babul	Leaves	0.68	0.081	0.053	0.0074	Dense Forest
Eucalyptus	Leaves	0.68	0.077	0.051	0.0071	Dense Forest
Salvadora Spp.	Twigs	15.5	0.076	0.050	0.0071	Open Forest
Salvadora Spp.	Bark	15.5	0.076	0.050	0.0071	Open Forest
Salvadora Spp.	Branches	15.5	0.076	0.050	0.0071	Open Forest
Others	Leaves	0.68	0.070	0.046	0.0064	Dense Forest
Babul	Twigs	0.68	0.069	0.046	0.0064	Dense Forest
Babul	Bark	0.68	0.069	0.046	0.0064	Dense Forest
Babul	Branches	0.68	0.069	0.046	0.0064	Dense Forest
Eucalyptus	Branches	0.68	0.066	0.044	0.0061	Dense Forest
Eucalyptus	Bark	0.68	0.066	0.044	0.0061	Dense Forest
Eucalyptus	Twigs	0.68	0.066	0.044	0.0061	Dense Forest
Others	Twigs	0.68	0.060	0.039	0.0055	Dense Forest
Others	Bark	0.68	0.060	0.039	0.0055	Dense Forest
Others	Branches	0.68	0.060	0.039	0.0055	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Mango	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Cottonwood	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Neem	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Umbrella Thorn Acacia	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Jand,Kandi	Leaves	0.68	0.055	0.036	0.0051	Dense Forest
Mango	Bark	15.5	0.051	0.034	0.0047	Open Forest
Mango	Branches	15.5	0.051	0.034	0.0047	Open Forest
Mango	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Neem	Bark	15.5	0.051	0.034	0.0047	Open Forest
Neem	Branches	15.5	0.051	0.034	0.0047	Open Forest
Cottonwood	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Cottonwood	Bark	15.5	0.051	0.034	0.0047	Open Forest
Cottonwood	Branches	15.5	0.051	0.034	0.0047	Open Forest
Umbrella Thorn Acacia	Branches	15.5	0.051	0.034	0.0047	Open Forest
Umbrella Thorn Acacia	Bark	15.5	0.051	0.034	0.0047	Open Forest
Umbrella Thorn Acacia	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Neem	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Jand,Kandi	Twigs	0.68	0.047	0.031	0.0043	Dense Forest
Jand,Kandi	Branches	0.68	0.047	0.031	0.0043	Dense Forest
Jand,Kandi	Bark	0.68	0.047	0.031	0.0043	Dense Forest
Shisham	Leaves	0.68	0.044	0.029	0.0041	Dense Forest
Shisham	Branches	0.68	0.038	0.025	0.0035	Dense Forest
Shisham	Twigs	0.68	0.038	0.025	0.0035	Dense Forest
Shisham	Bark	0.68	0.038	0.025	0.0035	Dense Forest
Babul	Leaves	1.4	0.023	0.015	0.0021	Scrub
Eucalyptus	Leaves	1.4	0.022	0.015	0.0021	Scrub
Others	Leaves	1.4	0.020	0.013	0.0019	Scrub
Babul	Branches	1.4	0.020	0.013	0.0018	Scrub
Babul	Bark	1.4	0.020	0.013	0.0018	Scrub
Babul	Twigs	1.4	0.020	0.013	0.0018	Scrub
Eucalyptus	Branches	1.4	0.019	0.013	0.0018	Scrub
Eucalyptus	Bark	1.4	0.019	0.013	0.0018	Scrub
Eucalyptus	Twigs	1.4	0.019	0.013	0.0018	Scrub
Others	Branches	1.4	0.017	0.011	0.0016	Scrub
Others	Bark	1.4	0.017	0.011	0.0016	Scrub
Others	Twigs	1.4	0.017	0.011	0.0016	Scrub
Jand,Kandi	Leaves	1.4	0.016	0.011	0.0015	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Twigs	1.4	0.014	0.0089	0.0013	Scrub
Jand,Kandi	Branches	1.4	0.014	0.0089	0.0013	Scrub
Jand,Kandi	Bark	1.4	0.014	0.0089	0.0013	Scrub
Shisham	Leaves	1.4	0.013	0.0084	0.0012	Scrub
Salvadora Spp.	Leaves	0.68	0.011	0.0073	0.0010	Dense Forest
Shisham	Bark	1.4	0.011	0.0072	0.0010	Scrub
Shisham	Twigs	1.4	0.011	0.0072	0.0010	Scrub
Shisham	Branches	1.4	0.011	0.0072	0.0010	Scrub
Salvadora Spp.	Twigs	0.68	0.0094	0.0062	0.00087	Dense Forest
Salvadora Spp.	Branches	0.68	0.0094	0.0062	0.00087	Dense Forest
Salvadora Spp.	Bark	0.68	0.0094	0.0062	0.00087	Dense Forest
Mango	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Cottonwood	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Neem	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Umbrella Thorn Acacia	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Mango	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest
Mango	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Mango	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Neem	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Neem	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Cottonwood	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Cottonwood	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest
Cottonwood	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Umbrella Thorn Acacia	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest
Umbrella Thorn Acacia	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Umbrella Thorn Acacia	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Neem	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest
Salvadora Spp.	Leaves	1.4	0.0032	0.0021	0.00029	Scrub
Salvadora Spp.	Twigs	1.4	0.0027	0.0018	0.00025	Scrub
Salvadora Spp.	Bark	1.4	0.0027	0.0018	0.00025	Scrub
Salvadora Spp.	Branches	1.4	0.0027	0.0018	0.00025	Scrub
Cottonwood	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Mango	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Neem	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Umbrella Thorn Acacia	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Mango	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Mango	Twigs	1.4	0.0018	0.0012	0.00017	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Mango	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Neem	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Neem	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Cottonwood	Twigs	1.4	0.0018	0.0012	0.00017	Scrub
Cottonwood	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Cottonwood	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Umbrella Thorn Acacia	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Umbrella Thorn Acacia	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Umbrella Thorn Acacia	Twigs	1.4	0.0018	0.0012	0.00017	Scrub
Neem	Twigs	1.4	0.0018	0.0012	0.00017	Scrub
Total		17.5	12.3	8.1	1.1	

District Level Taluk Wise

DistrictLevel Taluk-wise Data for Ambala ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narayangarh	3.7	5.3	3.5	0.49
Total		3.7	5.3	3.5

DistrictLevel Taluk-wise Data for Faridabad ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Ballabgarh	8.1	5.5	3.7	0.51
Total		8.1	5.5	3.7

DistrictLevel Taluk-wise Data for Gurgaon ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gurgaon	38.0	61.9	40.8	5.7
Total		38.0	61.9	40.8

DistrictLevel Taluk-wise Data for Jhajjar ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jhajjar	0.26	0.072	0.047	0.0066
Total		0.26	0.072	0.047

DistrictLevel Taluk-wise Data for Jind ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jind	0.56	1.1	0.71	0.099
Total		0.56	1.1	0.71

DistrictLevel Taluk-wise Data for Kaithal ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Gulha	4.7	1.3	0.85	0.12
Kaithal	2.0	1.1	0.75	0.11
Total		6.7	2.4	1.6

DistrictLevel Taluk-wise Data for Kurukshetra ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Pehowa	1.6	3.0	2.0	0.28
Thanesar	0.45	0.12	0.082	0.012
Total		2.0	3.1	2.0

DistrictLevel Taluk-wise Data for Mahendragarh ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Mahendragarh	0.22	0.15	0.10	0.014
Total		0.22	0.15	0.10

DistrictLevel Taluk-wise Data for Panchkula ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kalka	34.6	32.5	21.5	3.0
Total		34.6	32.5	21.5

DistrictLevel Taluk-wise Data for Yamunanagar ; Biomass Class : Forest				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jagadiri	17.5	12.3	8.1	1.1
Total		17.5	12.3	8.1

Taluk Level Residue Wise

Taluk level Residue-wise Data for Narayangarh ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.5	0.30	0.20	0.027	Dense Forest
Eucalyptus	Leaves	2.5	0.28	0.19	0.026	Dense Forest
Others	Leaves	2.5	0.26	0.17	0.024	Dense Forest
Babul	Twigs	2.5	0.25	0.17	0.024	Dense Forest
Babul	Bark	2.5	0.25	0.17	0.024	Dense Forest
Babul	Branches	2.5	0.25	0.17	0.024	Dense Forest
Eucalyptus	Twigs	2.5	0.24	0.16	0.022	Dense Forest
Eucalyptus	Bark	2.5	0.24	0.16	0.022	Dense Forest
Eucalyptus	Branches	2.5	0.24	0.16	0.022	Dense Forest
Others	Twigs	2.5	0.22	0.15	0.020	Dense Forest
Others	Bark	2.5	0.22	0.15	0.020	Dense Forest
Others	Branches	2.5	0.22	0.15	0.020	Dense Forest
Jand,Kandi	Leaves	2.5	0.20	0.13	0.019	Dense Forest
Jand,Kandi	Twigs	2.5	0.17	0.11	0.016	Dense Forest
Jand,Kandi	Bark	2.5	0.17	0.11	0.016	Dense Forest
Jand,Kandi	Branches	2.5	0.17	0.11	0.016	Dense Forest
Shisham	Leaves	2.5	0.16	0.11	0.015	Dense Forest
Shisham	Twigs	2.5	0.14	0.092	0.013	Dense Forest
Shisham	Bark	2.5	0.14	0.092	0.013	Dense Forest
Shisham	Branches	2.5	0.14	0.092	0.013	Dense Forest
Salvadora Spp.	Leaves	2.5	0.041	0.027	0.0037	Dense Forest
Salvadora Spp.	Twigs	2.5	0.035	0.023	0.0032	Dense Forest
Salvadora Spp.	Bark	2.5	0.035	0.023	0.0032	Dense Forest
Salvadora Spp.	Branches	2.5	0.035	0.023	0.0032	Dense Forest
Mango	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Cottonwood	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Neem	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Umbrella Thorn Acacia	Leaves	2.5	0.027	0.018	0.0025	Dense Forest
Mango	Twigs	2.5	0.023	0.015	0.0021	Dense Forest
Mango	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Mango	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Neem	Twigs	2.5	0.023	0.015	0.0021	Dense Forest
Cottonwood	Twigs	2.5	0.023	0.015	0.0021	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Cottonwood	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Umbrella Thorn Acacia	Twigs	2.5	0.023	0.015	0.0021	Dense Forest
Umbrella Thorn Acacia	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Umbrella Thorn Acacia	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Neem	Bark	2.5	0.023	0.015	0.0021	Dense Forest
Neem	Branches	2.5	0.023	0.015	0.0021	Dense Forest
Babul	Leaves	0.95	0.016	0.011	0.0015	Scrub
Eucalyptus	Leaves	0.95	0.015	0.010	0.0014	Scrub
Others	Leaves	0.95	0.014	0.0091	0.0013	Scrub
Babul	Twigs	0.95	0.014	0.0091	0.0013	Scrub
Babul	Bark	0.95	0.014	0.0091	0.0013	Scrub
Babul	Branches	0.95	0.014	0.0091	0.0013	Scrub
Eucalyptus	Twigs	0.95	0.013	0.0087	0.0012	Scrub
Eucalyptus	Bark	0.95	0.013	0.0087	0.0012	Scrub
Eucalyptus	Branches	0.95	0.013	0.0087	0.0012	Scrub
Others	Twigs	0.95	0.012	0.0078	0.0011	Scrub
Others	Bark	0.95	0.012	0.0078	0.0011	Scrub
Others	Branches	0.95	0.012	0.0078	0.0011	Scrub
Babul	Leaves	0.28	0.012	0.0077	0.0011	Open Forest
Eucalyptus	Leaves	0.28	0.011	0.0073	0.0010	Open Forest
Jand,Kandi	Leaves	0.95	0.011	0.0072	0.0010	Scrub
Others	Leaves	0.28	0.010	0.0066	0.00093	Open Forest
Babul	Twigs	0.28	0.0100	0.0066	0.00092	Open Forest
Babul	Bark	0.28	0.0100	0.0066	0.00092	Open Forest
Babul	Branches	0.28	0.0100	0.0066	0.00092	Open Forest
Eucalyptus	Twigs	0.28	0.0095	0.0063	0.00088	Open Forest
Eucalyptus	Bark	0.28	0.0095	0.0063	0.00088	Open Forest
Eucalyptus	Branches	0.28	0.0095	0.0063	0.00088	Open Forest
Jand,Kandi	Twigs	0.95	0.0093	0.0062	0.00086	Scrub
Jand,Kandi	Bark	0.95	0.0093	0.0062	0.00086	Scrub
Jand,Kandi	Branches	0.95	0.0093	0.0062	0.00086	Scrub
Shisham	Leaves	0.95	0.0087	0.0058	0.00081	Scrub
Others	Twigs	0.28	0.0086	0.0057	0.00080	Open Forest
Others	Bark	0.28	0.0086	0.0057	0.00080	Open Forest
Others	Branches	0.28	0.0086	0.0057	0.00080	Open Forest
Jand,Kandi	Leaves	0.28	0.0080	0.0053	0.00074	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Twigs	0.95	0.0075	0.0049	0.00069	Scrub
Shisham	Bark	0.95	0.0075	0.0049	0.00069	Scrub
Shisham	Branches	0.95	0.0075	0.0049	0.00069	Scrub
Jand,Kandi	Twigs	0.28	0.0068	0.0045	0.00063	Open Forest
Jand,Kandi	Bark	0.28	0.0068	0.0045	0.00063	Open Forest
Jand,Kandi	Branches	0.28	0.0068	0.0045	0.00063	Open Forest
Shisham	Leaves	0.28	0.0063	0.0042	0.00059	Open Forest
Shisham	Twigs	0.28	0.0054	0.0036	0.00050	Open Forest
Shisham	Bark	0.28	0.0054	0.0036	0.00050	Open Forest
Shisham	Branches	0.28	0.0054	0.0036	0.00050	Open Forest
Salvadora Spp.	Leaves	0.95	0.0022	0.0014	0.00020	Scrub
Salvadora Spp.	Twigs	0.95	0.0019	0.0012	0.00017	Scrub
Salvadora Spp.	Bark	0.95	0.0019	0.0012	0.00017	Scrub
Salvadora Spp.	Branches	0.95	0.0019	0.0012	0.00017	Scrub
Salvadora Spp.	Leaves	0.28	0.0016	0.0010	0.00015	Open Forest
Mango	Leaves	0.95	0.0015	0.00096	0.00013	Scrub
Cottonwood	Leaves	0.95	0.0015	0.00096	0.00013	Scrub
Neem	Leaves	0.95	0.0015	0.00096	0.00013	Scrub
Umbrella Thorn Acacia	Leaves	0.95	0.0015	0.00096	0.00013	Scrub
Salvadora Spp.	Twigs	0.28	0.0014	0.00090	0.00013	Open Forest
Salvadora Spp.	Bark	0.28	0.0014	0.00090	0.00013	Open Forest
Salvadora Spp.	Branches	0.28	0.0014	0.00090	0.00013	Open Forest
Mango	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Mango	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Mango	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Neem	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Neem	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Neem	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Umbrella Thorn Acacia	Twigs	0.95	0.0012	0.00082	0.00012	Scrub
Umbrella Thorn Acacia	Bark	0.95	0.0012	0.00082	0.00012	Scrub
Umbrella Thorn Acacia	Branches	0.95	0.0012	0.00082	0.00012	Scrub
Cottonwood	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest
Mango	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest
Umbrella Thorn Acacia	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Leaves	0.28	0.0011	0.00070	9.77E-05	Open Forest
Mango	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Mango	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Mango	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Neem	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Neem	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Cottonwood	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Cottonwood	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Cottonwood	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Neem	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Umbrella Thorn Acacia	Twigs	0.28	0.00091	0.00060	8.38E-05	Open Forest
Umbrella Thorn Acacia	Bark	0.28	0.00091	0.00060	8.38E-05	Open Forest
Umbrella Thorn Acacia	Branches	0.28	0.00091	0.00060	8.38E-05	Open Forest
Total		3.7	5.3	3.5	0.49	

Taluk level Residue-wise Data for Ballabgarh ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	8.1	0.34	0.23	0.032	Open Forest
Eucalyptus	Leaves	8.1	0.33	0.22	0.030	Open Forest
Others	Leaves	8.1	0.29	0.19	0.027	Open Forest
Babul	Twigs	8.1	0.29	0.19	0.027	Open Forest
Babul	Bark	8.1	0.29	0.19	0.027	Open Forest
Babul	Branches	8.1	0.29	0.19	0.027	Open Forest
Eucalyptus	Twigs	8.1	0.28	0.18	0.026	Open Forest
Eucalyptus	Bark	8.1	0.28	0.18	0.026	Open Forest
Eucalyptus	Branches	8.1	0.28	0.18	0.026	Open Forest
Others	Twigs	8.1	0.25	0.17	0.023	Open Forest
Others	Bark	8.1	0.25	0.17	0.023	Open Forest
Others	Branches	8.1	0.25	0.17	0.023	Open Forest
Jand,Kandi	Leaves	8.1	0.23	0.15	0.022	Open Forest
Jand,Kandi	Twigs	8.1	0.20	0.13	0.018	Open Forest
Jand,Kandi	Bark	8.1	0.20	0.13	0.018	Open Forest
Jand,Kandi	Branches	8.1	0.20	0.13	0.018	Open Forest
Shisham	Leaves	8.1	0.19	0.12	0.017	Open Forest
Shisham	Twigs	8.1	0.16	0.11	0.015	Open Forest
Shisham	Bark	8.1	0.16	0.11	0.015	Open Forest
Shisham	Branches	8.1	0.16	0.11	0.015	Open Forest
Salvadora Spp.	Leaves	8.1	0.047	0.031	0.0043	Open Forest
Salvadora Spp.	Twigs	8.1	0.040	0.026	0.0037	Open Forest
Salvadora Spp.	Bark	8.1	0.040	0.026	0.0037	Open Forest
Salvadora Spp.	Branches	8.1	0.040	0.026	0.0037	Open Forest
Mango	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Cottonwood	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Neem	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Umbrella Thorn Acacia	Leaves	8.1	0.031	0.020	0.0029	Open Forest
Umbrella Thorn Acacia	Twigs	8.1	0.027	0.018	0.0025	Open Forest
Umbrella Thorn Acacia	Bark	8.1	0.027	0.018	0.0025	Open Forest
Umbrella Thorn Acacia	Branches	8.1	0.027	0.018	0.0025	Open Forest
Neem	Twigs	8.1	0.027	0.018	0.0025	Open Forest
Mango	Twigs	8.1	0.027	0.018	0.0025	Open Forest
Neem	Bark	8.1	0.027	0.018	0.0025	Open Forest
Neem	Branches	8.1	0.027	0.018	0.0025	Open Forest
Cottonwood	Twigs	8.1	0.027	0.018	0.0025	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	8.1	0.027	0.018	0.0025	Open Forest
Cottonwood	Branches	8.1	0.027	0.018	0.0025	Open Forest
Mango	Bark	8.1	0.027	0.018	0.0025	Open Forest
Mango	Branches	8.1	0.027	0.018	0.0025	Open Forest
Total		8.1	5.5	3.7	0.51	

Taluk level Residue-wise Data for Gurgaon ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	29.0	3.4	2.3	0.32	Dense Forest
Eucalyptus	Leaves	29.0	3.3	2.2	0.30	Dense Forest
Others	Leaves	29.0	3.0	2.0	0.27	Dense Forest
Babul	Twigs	29.0	2.9	1.9	0.27	Dense Forest
Babul	Bark	29.0	2.9	1.9	0.27	Dense Forest
Babul	Branches	29.0	2.9	1.9	0.27	Dense Forest
Eucalyptus	Twigs	29.0	2.8	1.9	0.26	Dense Forest
Eucalyptus	Bark	29.0	2.8	1.9	0.26	Dense Forest
Eucalyptus	Branches	29.0	2.8	1.9	0.26	Dense Forest
Others	Twigs	29.0	2.5	1.7	0.23	Dense Forest
Others	Bark	29.0	2.5	1.7	0.23	Dense Forest
Others	Branches	29.0	2.5	1.7	0.23	Dense Forest
Jand,Kandi	Leaves	29.0	2.4	1.6	0.22	Dense Forest
Jand,Kandi	Twigs	29.0	2.0	1.3	0.18	Dense Forest
Jand,Kandi	Bark	29.0	2.0	1.3	0.18	Dense Forest
Jand,Kandi	Branches	29.0	2.0	1.3	0.18	Dense Forest
Shisham	Leaves	29.0	1.9	1.2	0.17	Dense Forest
Shisham	Twigs	29.0	1.6	1.1	0.15	Dense Forest
Shisham	Bark	29.0	1.6	1.1	0.15	Dense Forest
Shisham	Branches	29.0	1.6	1.1	0.15	Dense Forest
Salvadora Spp.	Leaves	29.0	0.47	0.31	0.043	Dense Forest
Salvadora Spp.	Twigs	29.0	0.40	0.26	0.037	Dense Forest
Salvadora Spp.	Bark	29.0	0.40	0.26	0.037	Dense Forest
Salvadora Spp.	Branches	29.0	0.40	0.26	0.037	Dense Forest
Babul	Leaves	8.9	0.38	0.25	0.035	Open Forest
Eucalyptus	Leaves	8.9	0.36	0.24	0.033	Open Forest
Others	Leaves	8.9	0.33	0.22	0.030	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Twigs	8.9	0.32	0.21	0.030	Open Forest
Babul	Bark	8.9	0.32	0.21	0.030	Open Forest
Babul	Branches	8.9	0.32	0.21	0.030	Open Forest
Cottonwood	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Mango	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Neem	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Umbrella Thorn Acacia	Leaves	29.0	0.31	0.21	0.029	Dense Forest
Eucalyptus	Twigs	8.9	0.31	0.20	0.029	Open Forest
Eucalyptus	Bark	8.9	0.31	0.20	0.029	Open Forest
Eucalyptus	Branches	8.9	0.31	0.20	0.029	Open Forest
Others	Twigs	8.9	0.28	0.18	0.026	Open Forest
Others	Bark	8.9	0.28	0.18	0.026	Open Forest
Others	Branches	8.9	0.28	0.18	0.026	Open Forest
Mango	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Mango	Bark	29.0	0.27	0.18	0.025	Dense Forest
Mango	Branches	29.0	0.27	0.18	0.025	Dense Forest
Neem	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Neem	Bark	29.0	0.27	0.18	0.025	Dense Forest
Neem	Branches	29.0	0.27	0.18	0.025	Dense Forest
Cottonwood	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Cottonwood	Bark	29.0	0.27	0.18	0.025	Dense Forest
Cottonwood	Branches	29.0	0.27	0.18	0.025	Dense Forest
Umbrella Thorn Acacia	Twigs	29.0	0.27	0.18	0.025	Dense Forest
Umbrella Thorn Acacia	Bark	29.0	0.27	0.18	0.025	Dense Forest
Umbrella Thorn Acacia	Branches	29.0	0.27	0.18	0.025	Dense Forest
Jand,Kandi	Leaves	8.9	0.26	0.17	0.024	Open Forest
Jand,Kandi	Twigs	8.9	0.22	0.15	0.020	Open Forest
Jand,Kandi	Bark	8.9	0.22	0.15	0.020	Open Forest
Jand,Kandi	Branches	8.9	0.22	0.15	0.020	Open Forest
Shisham	Leaves	8.9	0.21	0.14	0.019	Open Forest
Shisham	Twigs	8.9	0.18	0.12	0.016	Open Forest
Shisham	Bark	8.9	0.18	0.12	0.016	Open Forest
Shisham	Branches	8.9	0.18	0.12	0.016	Open Forest
Salvadora Spp.	Leaves	8.9	0.052	0.034	0.0048	Open Forest
Salvadora Spp.	Twigs	8.9	0.044	0.029	0.0041	Open Forest
Salvadora Spp.	Bark	8.9	0.044	0.029	0.0041	Open Forest
Salvadora Spp.	Branches	8.9	0.044	0.029	0.0041	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Mango	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Cottonwood	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Neem	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Umbrella Thorn Acacia	Leaves	8.9	0.034	0.023	0.0032	Open Forest
Umbrella Thorn Acacia	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Umbrella Thorn Acacia	Bark	8.9	0.029	0.019	0.0027	Open Forest
Umbrella Thorn Acacia	Branches	8.9	0.029	0.019	0.0027	Open Forest
Neem	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Neem	Bark	8.9	0.029	0.019	0.0027	Open Forest
Neem	Branches	8.9	0.029	0.019	0.0027	Open Forest
Mango	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Mango	Bark	8.9	0.029	0.019	0.0027	Open Forest
Mango	Branches	8.9	0.029	0.019	0.0027	Open Forest
Cottonwood	Twigs	8.9	0.029	0.019	0.0027	Open Forest
Cottonwood	Bark	8.9	0.029	0.019	0.0027	Open Forest
Cottonwood	Branches	8.9	0.029	0.019	0.0027	Open Forest
Total		38.0	61.9	40.8	5.7	

Taluk level Residue-wise Data for Jhajjar ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.26	0.0044	0.0029	0.00041	Scrub
Eucalyptus	Leaves	0.26	0.0042	0.0028	0.00039	Scrub
Others	Leaves	0.26	0.0038	0.0025	0.00035	Scrub
Babul	Twigs	0.26	0.0038	0.0025	0.00035	Scrub
Babul	Bark	0.26	0.0038	0.0025	0.00035	Scrub
Babul	Branches	0.26	0.0038	0.0025	0.00035	Scrub
Eucalyptus	Twigs	0.26	0.0036	0.0024	0.00033	Scrub
Eucalyptus	Bark	0.26	0.0036	0.0024	0.00033	Scrub
Eucalyptus	Branches	0.26	0.0036	0.0024	0.00033	Scrub
Others	Twigs	0.26	0.0033	0.0022	0.00030	Scrub
Others	Bark	0.26	0.0033	0.0022	0.00030	Scrub
Others	Branches	0.26	0.0033	0.0022	0.00030	Scrub
Jand,Kandi	Leaves	0.26	0.0030	0.0020	0.00028	Scrub
Jand,Kandi	Twigs	0.26	0.0026	0.0017	0.00024	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Bark	0.26	0.0026	0.0017	0.00024	Scrub
Jand,Kandi	Branches	0.26	0.0026	0.0017	0.00024	Scrub
Shisham	Leaves	0.26	0.0024	0.0016	0.00022	Scrub
Shisham	Twigs	0.26	0.0021	0.0014	0.00019	Scrub
Shisham	Bark	0.26	0.0021	0.0014	0.00019	Scrub
Shisham	Branches	0.26	0.0021	0.0014	0.00019	Scrub
Salvadora Spp.	Leaves	0.26	0.00060	0.00040	5.57E-05	Scrub
Salvadora Spp.	Twigs	0.26	0.00052	0.00034	4.77E-05	Scrub
Salvadora Spp.	Bark	0.26	0.00052	0.00034	4.77E-05	Scrub
Salvadora Spp.	Branches	0.26	0.00052	0.00034	4.77E-05	Scrub
Mango	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Cottonwood	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Neem	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Umbrella Thorn Acacia	Leaves	0.26	0.00040	0.00027	3.71E-05	Scrub
Umbrella Thorn Acacia	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Umbrella Thorn Acacia	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Umbrella Thorn Acacia	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Neem	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Mango	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Neem	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Neem	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Cottonwood	Twigs	0.26	0.00034	0.00023	3.18E-05	Scrub
Cottonwood	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Cottonwood	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Mango	Bark	0.26	0.00034	0.00023	3.18E-05	Scrub
Mango	Branches	0.26	0.00034	0.00023	3.18E-05	Scrub
Total		0.26	0.072	0.047	0.0066	

Taluk level Residue-wise Data for Jind ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.56	0.066	0.044	0.0061	Dense Forest
Eucalyptus	Leaves	0.56	0.063	0.042	0.0058	Dense Forest
Others	Leaves	0.56	0.057	0.038	0.0053	Dense Forest
Babul	Twigs	0.56	0.057	0.037	0.0052	Dense Forest
Babul	Bark	0.56	0.057	0.037	0.0052	Dense Forest
Babul	Branches	0.56	0.057	0.037	0.0052	Dense Forest
Eucalyptus	Twigs	0.56	0.054	0.036	0.0050	Dense Forest
Eucalyptus	Bark	0.56	0.054	0.036	0.0050	Dense Forest
Eucalyptus	Branches	0.56	0.054	0.036	0.0050	Dense Forest
Others	Twigs	0.56	0.049	0.032	0.0045	Dense Forest
Others	Bark	0.56	0.049	0.032	0.0045	Dense Forest
Others	Branches	0.56	0.049	0.032	0.0045	Dense Forest
Jand,Kandi	Leaves	0.56	0.045	0.030	0.0042	Dense Forest
Jand,Kandi	Twigs	0.56	0.038	0.025	0.0036	Dense Forest
Jand,Kandi	Bark	0.56	0.038	0.025	0.0036	Dense Forest
Jand,Kandi	Branches	0.56	0.038	0.025	0.0036	Dense Forest
Shisham	Leaves	0.56	0.036	0.024	0.0033	Dense Forest
Shisham	Twigs	0.56	0.031	0.020	0.0029	Dense Forest
Shisham	Bark	0.56	0.031	0.020	0.0029	Dense Forest
Shisham	Branches	0.56	0.031	0.020	0.0029	Dense Forest
Salvadora Spp.	Leaves	0.56	0.0090	0.0059	0.00083	Dense Forest
Salvadora Spp.	Twigs	0.56	0.0077	0.0051	0.00071	Dense Forest
Salvadora Spp.	Bark	0.56	0.0077	0.0051	0.00071	Dense Forest
Salvadora Spp.	Branches	0.56	0.0077	0.0051	0.00071	Dense Forest
Mango	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Cottonwood	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Neem	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Umbrella Thorn Acacia	Leaves	0.56	0.0060	0.0040	0.00055	Dense Forest
Mango	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Mango	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Mango	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest
Cottonwood	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Cottonwood	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Cottonwood	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest
Neem	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Neem	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Umbrella Thorn Acacia	Twigs	0.56	0.0051	0.0034	0.00048	Dense Forest
Umbrella Thorn Acacia	Bark	0.56	0.0051	0.0034	0.00048	Dense Forest
Umbrella Thorn Acacia	Branches	0.56	0.0051	0.0034	0.00048	Dense Forest
Total		0.56	1.1	0.71	0.099	

Taluk level Residue-wise Data for Gulha ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	4.7	0.079	0.052	0.0073	Scrub
Eucalyptus	Leaves	4.7	0.076	0.050	0.0070	Scrub
Others	Leaves	4.7	0.069	0.045	0.0063	Scrub
Babul	Twigs	4.7	0.068	0.045	0.0063	Scrub
Babul	Bark	4.7	0.068	0.045	0.0063	Scrub
Babul	Branches	4.7	0.068	0.045	0.0063	Scrub
Eucalyptus	Twigs	4.7	0.065	0.043	0.0060	Scrub
Eucalyptus	Bark	4.7	0.065	0.043	0.0060	Scrub
Eucalyptus	Branches	4.7	0.065	0.043	0.0060	Scrub
Others	Twigs	4.7	0.059	0.039	0.0054	Scrub
Others	Bark	4.7	0.059	0.039	0.0054	Scrub
Others	Branches	4.7	0.059	0.039	0.0054	Scrub
Jand,Kandi	Leaves	4.7	0.054	0.036	0.0050	Scrub
Jand,Kandi	Twigs	4.7	0.046	0.031	0.0043	Scrub
Jand,Kandi	Bark	4.7	0.046	0.031	0.0043	Scrub
Jand,Kandi	Branches	4.7	0.046	0.031	0.0043	Scrub
Shisham	Leaves	4.7	0.043	0.029	0.0040	Scrub
Shisham	Twigs	4.7	0.037	0.024	0.0034	Scrub
Shisham	Bark	4.7	0.037	0.024	0.0034	Scrub
Shisham	Branches	4.7	0.037	0.024	0.0034	Scrub
Salvadora Spp.	Leaves	4.7	0.011	0.0071	0.00100	Scrub
Salvadora Spp.	Twigs	4.7	0.0093	0.0061	0.00086	Scrub
Salvadora Spp.	Bark	4.7	0.0093	0.0061	0.00086	Scrub
Salvadora Spp.	Branches	4.7	0.0093	0.0061	0.00086	Scrub
Mango	Leaves	4.7	0.0072	0.0048	0.00067	Scrub
Cottonwood	Leaves	4.7	0.0072	0.0048	0.00067	Scrub
Neem	Leaves	4.7	0.0072	0.0048	0.00067	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	4.7	0.0072	0.0048	0.00067	Scrub
Mango	Bark	4.7	0.0062	0.0041	0.00057	Scrub
Mango	Branches	4.7	0.0062	0.0041	0.00057	Scrub
Mango	Twigs	4.7	0.0062	0.0041	0.00057	Scrub
Neem	Twigs	4.7	0.0062	0.0041	0.00057	Scrub
Neem	Bark	4.7	0.0062	0.0041	0.00057	Scrub
Neem	Branches	4.7	0.0062	0.0041	0.00057	Scrub
Cottonwood	Twigs	4.7	0.0062	0.0041	0.00057	Scrub
Cottonwood	Bark	4.7	0.0062	0.0041	0.00057	Scrub
Cottonwood	Branches	4.7	0.0062	0.0041	0.00057	Scrub
Umbrella Thorn Acacia	Twigs	4.7	0.0062	0.0041	0.00057	Scrub
Umbrella Thorn Acacia	Bark	4.7	0.0062	0.0041	0.00057	Scrub
Umbrella Thorn Acacia	Branches	4.7	0.0062	0.0041	0.00057	Scrub
Babul	Leaves	0.0075	0.00031	0.00021	2.91E-05	Open Forest
Eucalyptus	Leaves	0.0075	0.00030	0.00020	2.77E-05	Open Forest
Others	Leaves	0.0075	0.00027	0.00018	2.51E-05	Open Forest
Babul	Twigs	0.0075	0.00027	0.00018	2.49E-05	Open Forest
Babul	Bark	0.0075	0.00027	0.00018	2.49E-05	Open Forest
Babul	Branches	0.0075	0.00027	0.00018	2.49E-05	Open Forest
Eucalyptus	Bark	0.0075	0.00026	0.00017	2.38E-05	Open Forest
Eucalyptus	Branches	0.0075	0.00026	0.00017	2.38E-05	Open Forest
Eucalyptus	Twigs	0.0075	0.00026	0.00017	2.38E-05	Open Forest
Others	Twigs	0.0075	0.00023	0.00015	2.15E-05	Open Forest
Others	Bark	0.0075	0.00023	0.00015	2.15E-05	Open Forest
Others	Branches	0.0075	0.00023	0.00015	2.15E-05	Open Forest
Jand,Kandi	Leaves	0.0075	0.00022	0.00014	1.99E-05	Open Forest
Jand,Kandi	Twigs	0.0075	0.00018	0.00012	1.70E-05	Open Forest
Jand,Kandi	Bark	0.0075	0.00018	0.00012	1.70E-05	Open Forest
Jand,Kandi	Branches	0.0075	0.00018	0.00012	1.70E-05	Open Forest
Shisham	Leaves	0.0075	0.00017	0.00011	1.59E-05	Open Forest
Shisham	Twigs	0.0075	0.00015	9.71E-05	1.36E-05	Open Forest
Shisham	Bark	0.0075	0.00015	9.71E-05	1.36E-05	Open Forest
Shisham	Branches	0.0075	0.00015	9.71E-05	1.36E-05	Open Forest
Salvadora Spp.	Leaves	0.0075	4.29E-05	2.83E-05	3.96E-06	Open Forest
Salvadora Spp.	Twigs	0.0075	3.68E-05	2.43E-05	3.40E-06	Open Forest
Salvadora Spp.	Bark	0.0075	3.68E-05	2.43E-05	3.40E-06	Open Forest
Salvadora Spp.	Branches	0.0075	3.68E-05	2.43E-05	3.40E-06	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Mango	Leaves	0.0075	2.86E-05	1.89E-05	2.64E-06	Open Forest
Cottonwood	Leaves	0.0075	2.86E-05	1.89E-05	2.64E-06	Open Forest
Neem	Leaves	0.0075	2.86E-05	1.89E-05	2.64E-06	Open Forest
Umbrella Thorn Acacia	Leaves	0.0075	2.86E-05	1.89E-05	2.64E-06	Open Forest
Umbrella Thorn Acacia	Twigs	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Umbrella Thorn Acacia	Bark	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Umbrella Thorn Acacia	Branches	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Neem	Twigs	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Mango	Twigs	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Neem	Bark	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Neem	Branches	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Cottonwood	Twigs	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Cottonwood	Bark	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Cottonwood	Branches	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Mango	Bark	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Mango	Branches	0.0075	2.45E-05	1.62E-05	2.27E-06	Open Forest
Total		4.7	1.3	0.85	0.12	

Taluk level Residue-wise Data for Kaithal ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.35	0.042	0.027	0.0038	Dense Forest
Eucalyptus	Leaves	0.35	0.040	0.026	0.0037	Dense Forest
Others	Leaves	0.35	0.036	0.024	0.0033	Dense Forest
Babul	Twigs	0.35	0.036	0.024	0.0033	Dense Forest
Babul	Bark	0.35	0.036	0.024	0.0033	Dense Forest
Babul	Branches	0.35	0.036	0.024	0.0033	Dense Forest
Eucalyptus	Twigs	0.35	0.034	0.022	0.0031	Dense Forest
Eucalyptus	Bark	0.35	0.034	0.022	0.0031	Dense Forest
Eucalyptus	Branches	0.35	0.034	0.022	0.0031	Dense Forest
Others	Twigs	0.35	0.031	0.020	0.0028	Dense Forest
Others	Bark	0.35	0.031	0.020	0.0028	Dense Forest
Others	Branches	0.35	0.031	0.020	0.0028	Dense Forest
Jand,Kandi	Leaves	0.35	0.029	0.019	0.0026	Dense Forest
Babul	Leaves	1.6	0.026	0.017	0.0024	Scrub
Eucalyptus	Leaves	1.6	0.025	0.017	0.0023	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Jand,Kandi	Twigs	0.35	0.024	0.016	0.0022	Dense Forest
Jand,Kandi	Bark	0.35	0.024	0.016	0.0022	Dense Forest
Jand,Kandi	Branches	0.35	0.024	0.016	0.0022	Dense Forest
Others	Leaves	1.6	0.023	0.015	0.0021	Scrub
Shisham	Leaves	0.35	0.023	0.015	0.0021	Dense Forest
Babul	Twigs	1.6	0.023	0.015	0.0021	Scrub
Babul	Bark	1.6	0.023	0.015	0.0021	Scrub
Babul	Branches	1.6	0.023	0.015	0.0021	Scrub
Eucalyptus	Twigs	1.6	0.022	0.014	0.0020	Scrub
Eucalyptus	Bark	1.6	0.022	0.014	0.0020	Scrub
Eucalyptus	Branches	1.6	0.022	0.014	0.0020	Scrub
Others	Twigs	1.6	0.020	0.013	0.0018	Scrub
Others	Bark	1.6	0.020	0.013	0.0018	Scrub
Others	Branches	1.6	0.020	0.013	0.0018	Scrub
Shisham	Twigs	0.35	0.019	0.013	0.0018	Dense Forest
Shisham	Bark	0.35	0.019	0.013	0.0018	Dense Forest
Shisham	Branches	0.35	0.019	0.013	0.0018	Dense Forest
Jand,Kandi	Leaves	1.6	0.018	0.012	0.0017	Scrub
Jand,Kandi	Twigs	1.6	0.015	0.010	0.0014	Scrub
Jand,Kandi	Bark	1.6	0.015	0.010	0.0014	Scrub
Jand,Kandi	Branches	1.6	0.015	0.010	0.0014	Scrub
Shisham	Leaves	1.6	0.014	0.0095	0.0013	Scrub
Shisham	Twigs	1.6	0.012	0.0082	0.0011	Scrub
Shisham	Bark	1.6	0.012	0.0082	0.0011	Scrub
Shisham	Branches	1.6	0.012	0.0082	0.0011	Scrub
Salvadora Spp.	Leaves	0.35	0.0057	0.0037	0.00052	Dense Forest
Salvadora Spp.	Twigs	0.35	0.0049	0.0032	0.00045	Dense Forest
Salvadora Spp.	Bark	0.35	0.0049	0.0032	0.00045	Dense Forest
Salvadora Spp.	Branches	0.35	0.0049	0.0032	0.00045	Dense Forest
Mango	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Cottonwood	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Neem	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Umbrella Thorn Acacia	Leaves	0.35	0.0038	0.0025	0.00035	Dense Forest
Salvadora Spp.	Leaves	1.6	0.0036	0.0024	0.00033	Scrub
Mango	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Mango	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Mango	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Cottonwood	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Cottonwood	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Cottonwood	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest
Neem	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Neem	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest
Umbrella Thorn Acacia	Twigs	0.35	0.0032	0.0021	0.00030	Dense Forest
Umbrella Thorn Acacia	Bark	0.35	0.0032	0.0021	0.00030	Dense Forest
Umbrella Thorn Acacia	Branches	0.35	0.0032	0.0021	0.00030	Dense Forest
Salvadora Spp.	Twigs	1.6	0.0031	0.0020	0.00029	Scrub
Salvadora Spp.	Bark	1.6	0.0031	0.0020	0.00029	Scrub
Salvadora Spp.	Branches	1.6	0.0031	0.0020	0.00029	Scrub
Cottonwood	Leaves	1.6	0.0024	0.0016	0.00022	Scrub
Mango	Leaves	1.6	0.0024	0.0016	0.00022	Scrub
Neem	Leaves	1.6	0.0024	0.0016	0.00022	Scrub
Umbrella Thorn Acacia	Leaves	1.6	0.0024	0.0016	0.00022	Scrub
Mango	Twigs	1.6	0.0021	0.0014	0.00019	Scrub
Mango	Bark	1.6	0.0021	0.0014	0.00019	Scrub
Mango	Branches	1.6	0.0021	0.0014	0.00019	Scrub
Cottonwood	Twigs	1.6	0.0021	0.0014	0.00019	Scrub
Cottonwood	Bark	1.6	0.0021	0.0014	0.00019	Scrub
Cottonwood	Branches	1.6	0.0021	0.0014	0.00019	Scrub
Umbrella Thorn Acacia	Twigs	1.6	0.0021	0.0014	0.00019	Scrub
Umbrella Thorn Acacia	Bark	1.6	0.0021	0.0014	0.00019	Scrub
Umbrella Thorn Acacia	Branches	1.6	0.0021	0.0014	0.00019	Scrub
Neem	Twigs	1.6	0.0021	0.0014	0.00019	Scrub
Neem	Bark	1.6	0.0021	0.0014	0.00019	Scrub
Neem	Branches	1.6	0.0021	0.0014	0.00019	Scrub
Babul	Leaves	0.046	0.0020	0.0013	0.00018	Open Forest
Eucalyptus	Leaves	0.046	0.0019	0.0012	0.00017	Open Forest
Others	Leaves	0.046	0.0017	0.0011	0.00016	Open Forest
Babul	Twigs	0.046	0.0017	0.0011	0.00016	Open Forest
Babul	Bark	0.046	0.0017	0.0011	0.00016	Open Forest
Babul	Branches	0.046	0.0017	0.0011	0.00016	Open Forest
Eucalyptus	Twigs	0.046	0.0016	0.0011	0.00015	Open Forest
Eucalyptus	Bark	0.046	0.0016	0.0011	0.00015	Open Forest
Eucalyptus	Branches	0.046	0.0016	0.0011	0.00015	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	0.046	0.0015	0.00096	0.00013	Open Forest
Others	Bark	0.046	0.0015	0.00096	0.00013	Open Forest
Others	Branches	0.046	0.0015	0.00096	0.00013	Open Forest
Jand,Kandi	Leaves	0.046	0.0013	0.00089	0.00012	Open Forest
Jand,Kandi	Twigs	0.046	0.0011	0.00075	0.00011	Open Forest
Jand,Kandi	Bark	0.046	0.0011	0.00075	0.00011	Open Forest
Jand,Kandi	Branches	0.046	0.0011	0.00075	0.00011	Open Forest
Shisham	Leaves	0.046	0.0011	0.00071	9.87E-05	Open Forest
Shisham	Twigs	0.046	0.00092	0.00060	8.46E-05	Open Forest
Shisham	Bark	0.046	0.00092	0.00060	8.46E-05	Open Forest
Shisham	Branches	0.046	0.00092	0.00060	8.46E-05	Open Forest
Salvadora Spp.	Leaves	0.046	0.00027	0.00018	2.47E-05	Open Forest
Salvadora Spp.	Twigs	0.046	0.00023	0.00015	2.12E-05	Open Forest
Salvadora Spp.	Bark	0.046	0.00023	0.00015	2.12E-05	Open Forest
Salvadora Spp.	Branches	0.046	0.00023	0.00015	2.12E-05	Open Forest
Mango	Leaves	0.046	0.00018	0.00012	1.65E-05	Open Forest
Cottonwood	Leaves	0.046	0.00018	0.00012	1.65E-05	Open Forest
Neem	Leaves	0.046	0.00018	0.00012	1.65E-05	Open Forest
Umbrella Thorn Acacia	Leaves	0.046	0.00018	0.00012	1.65E-05	Open Forest
Mango	Twigs	0.046	0.00015	0.00010	1.41E-05	Open Forest
Mango	Bark	0.046	0.00015	0.00010	1.41E-05	Open Forest
Mango	Branches	0.046	0.00015	0.00010	1.41E-05	Open Forest
Neem	Bark	0.046	0.00015	0.00010	1.41E-05	Open Forest
Neem	Branches	0.046	0.00015	0.00010	1.41E-05	Open Forest
Cottonwood	Twigs	0.046	0.00015	0.00010	1.41E-05	Open Forest
Cottonwood	Bark	0.046	0.00015	0.00010	1.41E-05	Open Forest
Cottonwood	Branches	0.046	0.00015	0.00010	1.41E-05	Open Forest
Umbrella Thorn Acacia	Twigs	0.046	0.00015	0.00010	1.41E-05	Open Forest
Umbrella Thorn Acacia	Bark	0.046	0.00015	0.00010	1.41E-05	Open Forest
Umbrella Thorn Acacia	Branches	0.046	0.00015	0.00010	1.41E-05	Open Forest
Neem	Twigs	0.046	0.00015	0.00010	1.41E-05	Open Forest
Total		2.0	1.1	0.75	0.11	

Taluk level Residue-wise Data for Pehowa ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.6	0.18	0.12	0.017	Dense Forest
Eucalyptus	Leaves	1.6	0.18	0.12	0.016	Dense Forest
Others	Leaves	1.6	0.16	0.10	0.015	Dense Forest
Babul	Twigs	1.6	0.16	0.10	0.015	Dense Forest
Babul	Bark	1.6	0.16	0.10	0.015	Dense Forest
Babul	Branches	1.6	0.16	0.10	0.015	Dense Forest
Eucalyptus	Twigs	1.6	0.15	0.099	0.014	Dense Forest
Eucalyptus	Bark	1.6	0.15	0.099	0.014	Dense Forest
Eucalyptus	Branches	1.6	0.15	0.099	0.014	Dense Forest
Others	Twigs	1.6	0.14	0.090	0.013	Dense Forest
Others	Bark	1.6	0.14	0.090	0.013	Dense Forest
Others	Branches	1.6	0.14	0.090	0.013	Dense Forest
Jand,Kandi	Leaves	1.6	0.13	0.083	0.012	Dense Forest
Jand,Kandi	Twigs	1.6	0.11	0.071	0.0099	Dense Forest
Jand,Kandi	Bark	1.6	0.11	0.071	0.0099	Dense Forest
Jand,Kandi	Branches	1.6	0.11	0.071	0.0099	Dense Forest
Shisham	Leaves	1.6	0.10	0.066	0.0092	Dense Forest
Shisham	Twigs	1.6	0.086	0.057	0.0079	Dense Forest
Shisham	Bark	1.6	0.086	0.057	0.0079	Dense Forest
Shisham	Branches	1.6	0.086	0.057	0.0079	Dense Forest
Salvadora Spp.	Leaves	1.6	0.025	0.017	0.0023	Dense Forest
Salvadora Spp.	Twigs	1.6	0.021	0.014	0.0020	Dense Forest
Salvadora Spp.	Bark	1.6	0.021	0.014	0.0020	Dense Forest
Salvadora Spp.	Branches	1.6	0.021	0.014	0.0020	Dense Forest
Mango	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Cottonwood	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Neem	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Umbrella Thorn Acacia	Leaves	1.6	0.017	0.011	0.0015	Dense Forest
Mango	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Mango	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Mango	Branches	1.6	0.014	0.0094	0.0013	Dense Forest
Cottonwood	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Cottonwood	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Cottonwood	Branches	1.6	0.014	0.0094	0.0013	Dense Forest
Neem	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Neem	Branches	1.6	0.014	0.0094	0.0013	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Umbrella Thorn Acacia	Twigs	1.6	0.014	0.0094	0.0013	Dense Forest
Umbrella Thorn Acacia	Bark	1.6	0.014	0.0094	0.0013	Dense Forest
Umbrella Thorn Acacia	Branches	1.6	0.014	0.0094	0.0013	Dense Forest
Total		1.6	3.0	2.0	0.28	

Taluk level Residue-wise Data for Thanesar ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.45	0.0077	0.0051	0.00071	Scrub
Eucalyptus	Leaves	0.45	0.0073	0.0048	0.00068	Scrub
Others	Leaves	0.45	0.0066	0.0044	0.00061	Scrub
Babul	Twigs	0.45	0.0066	0.0043	0.00061	Scrub
Babul	Bark	0.45	0.0066	0.0043	0.00061	Scrub
Babul	Branches	0.45	0.0066	0.0043	0.00061	Scrub
Eucalyptus	Twigs	0.45	0.0063	0.0041	0.00058	Scrub
Eucalyptus	Bark	0.45	0.0063	0.0041	0.00058	Scrub
Eucalyptus	Branches	0.45	0.0063	0.0041	0.00058	Scrub
Others	Twigs	0.45	0.0057	0.0037	0.00052	Scrub
Others	Bark	0.45	0.0057	0.0037	0.00052	Scrub
Others	Branches	0.45	0.0057	0.0037	0.00052	Scrub
Jand,Kandi	Leaves	0.45	0.0053	0.0035	0.00049	Scrub
Jand,Kandi	Twigs	0.45	0.0045	0.0030	0.00041	Scrub
Jand,Kandi	Bark	0.45	0.0045	0.0030	0.00041	Scrub
Jand,Kandi	Branches	0.45	0.0045	0.0030	0.00041	Scrub
Shisham	Leaves	0.45	0.0042	0.0028	0.00039	Scrub
Shisham	Twigs	0.45	0.0036	0.0024	0.00033	Scrub
Shisham	Bark	0.45	0.0036	0.0024	0.00033	Scrub
Shisham	Branches	0.45	0.0036	0.0024	0.00033	Scrub
Salvadora Spp.	Leaves	0.45	0.0010	0.00069	9.66E-05	Scrub
Salvadora Spp.	Twigs	0.45	0.00090	0.00059	8.28E-05	Scrub
Salvadora Spp.	Bark	0.45	0.00090	0.00059	8.28E-05	Scrub
Salvadora Spp.	Branches	0.45	0.00090	0.00059	8.28E-05	Scrub
Mango	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub
Cottonwood	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub
Neem	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	0.45	0.00070	0.00046	6.44E-05	Scrub
Mango	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Mango	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Mango	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Cottonwood	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Cottonwood	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Cottonwood	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Neem	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Neem	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Neem	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Umbrella Thorn Acacia	Twigs	0.45	0.00060	0.00039	5.52E-05	Scrub
Umbrella Thorn Acacia	Bark	0.45	0.00060	0.00039	5.52E-05	Scrub
Umbrella Thorn Acacia	Branches	0.45	0.00060	0.00039	5.52E-05	Scrub
Total		0.45	0.12	0.082	0.012	

Taluk level Residue-wise Data for Mahendragarh ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.22	0.0094	0.0062	0.00087	Open Forest
Eucalyptus	Leaves	0.22	0.0090	0.0059	0.00083	Open Forest
Others	Leaves	0.22	0.0081	0.0054	0.00075	Open Forest
Babul	Twigs	0.22	0.0081	0.0053	0.00075	Open Forest
Babul	Bark	0.22	0.0081	0.0053	0.00075	Open Forest
Babul	Branches	0.22	0.0081	0.0053	0.00075	Open Forest
Eucalyptus	Twigs	0.22	0.0077	0.0051	0.00071	Open Forest
Eucalyptus	Bark	0.22	0.0077	0.0051	0.00071	Open Forest
Eucalyptus	Branches	0.22	0.0077	0.0051	0.00071	Open Forest
Others	Twigs	0.22	0.0070	0.0046	0.00064	Open Forest
Others	Bark	0.22	0.0070	0.0046	0.00064	Open Forest
Others	Branches	0.22	0.0070	0.0046	0.00064	Open Forest
Jand,Kandi	Leaves	0.22	0.0065	0.0043	0.00060	Open Forest
Jand,Kandi	Twigs	0.22	0.0055	0.0036	0.00051	Open Forest
Jand,Kandi	Bark	0.22	0.0055	0.0036	0.00051	Open Forest
Jand,Kandi	Branches	0.22	0.0055	0.0036	0.00051	Open Forest
Shisham	Leaves	0.22	0.0051	0.0034	0.00048	Open Forest
Shisham	Twigs	0.22	0.0044	0.0029	0.00041	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	0.22	0.0044	0.0029	0.00041	Open Forest
Shisham	Branches	0.22	0.0044	0.0029	0.00041	Open Forest
Salvadora Spp.	Leaves	0.22	0.0013	0.00085	0.00012	Open Forest
Salvadora Spp.	Twigs	0.22	0.0011	0.00073	0.00010	Open Forest
Salvadora Spp.	Bark	0.22	0.0011	0.00073	0.00010	Open Forest
Salvadora Spp.	Branches	0.22	0.0011	0.00073	0.00010	Open Forest
Mango	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Cottonwood	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Neem	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Umbrella Thorn Acacia	Leaves	0.22	0.00086	0.00057	7.92E-05	Open Forest
Mango	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Mango	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Mango	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest
Cottonwood	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Cottonwood	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Cottonwood	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest
Neem	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Neem	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest
Neem	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Umbrella Thorn Acacia	Twigs	0.22	0.00073	0.00048	6.79E-05	Open Forest
Umbrella Thorn Acacia	Bark	0.22	0.00073	0.00048	6.79E-05	Open Forest
Umbrella Thorn Acacia	Branches	0.22	0.00073	0.00048	6.79E-05	Open Forest
Total		0.22	0.15	0.10	0.014	

Taluk level Residue-wise Data for Kalka ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	8.9	1.1	0.70	0.098	Dense Forest
Eucalyptus	Leaves	8.9	1.0	0.66	0.093	Dense Forest
Others	Leaves	8.9	0.91	0.60	0.084	Dense Forest
Babul	Twigs	8.9	0.90	0.60	0.084	Dense Forest
Babul	Bark	8.9	0.90	0.60	0.084	Dense Forest
Babul	Branches	8.9	0.90	0.60	0.084	Dense Forest
Eucalyptus	Twigs	8.9	0.86	0.57	0.080	Dense Forest
Eucalyptus	Bark	8.9	0.86	0.57	0.080	Dense Forest
Eucalyptus	Branches	8.9	0.86	0.57	0.080	Dense Forest
Babul	Leaves	20.3	0.86	0.57	0.079	Open Forest
Eucalyptus	Leaves	20.3	0.82	0.54	0.076	Open Forest
Others	Twigs	8.9	0.78	0.52	0.072	Dense Forest
Others	Bark	8.9	0.78	0.52	0.072	Dense Forest
Others	Branches	8.9	0.78	0.52	0.072	Dense Forest
Others	Leaves	20.3	0.74	0.49	0.068	Open Forest
Babul	Twigs	20.3	0.74	0.49	0.068	Open Forest
Babul	Bark	20.3	0.74	0.49	0.068	Open Forest
Babul	Branches	20.3	0.74	0.49	0.068	Open Forest
Jand,Kandi	Leaves	8.9	0.72	0.48	0.067	Dense Forest
Eucalyptus	Twigs	20.3	0.70	0.46	0.065	Open Forest
Eucalyptus	Bark	20.3	0.70	0.46	0.065	Open Forest
Eucalyptus	Branches	20.3	0.70	0.46	0.065	Open Forest
Others	Twigs	20.3	0.64	0.42	0.059	Open Forest
Others	Bark	20.3	0.64	0.42	0.059	Open Forest
Others	Branches	20.3	0.64	0.42	0.059	Open Forest
Jand,Kandi	Twigs	8.9	0.62	0.41	0.057	Dense Forest
Jand,Kandi	Bark	8.9	0.62	0.41	0.057	Dense Forest
Jand,Kandi	Branches	8.9	0.62	0.41	0.057	Dense Forest
Jand,Kandi	Leaves	20.3	0.59	0.39	0.054	Open Forest
Shisham	Leaves	8.9	0.58	0.38	0.053	Dense Forest
Jand,Kandi	Twigs	20.3	0.50	0.33	0.046	Open Forest
Jand,Kandi	Bark	20.3	0.50	0.33	0.046	Open Forest
Jand,Kandi	Branches	20.3	0.50	0.33	0.046	Open Forest
Shisham	Twigs	8.9	0.49	0.33	0.046	Dense Forest
Shisham	Bark	8.9	0.49	0.33	0.046	Dense Forest
Shisham	Branches	8.9	0.49	0.33	0.046	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Leaves	20.3	0.47	0.31	0.043	Open Forest
Shisham	Twigs	20.3	0.40	0.26	0.037	Open Forest
Shisham	Bark	20.3	0.40	0.26	0.037	Open Forest
Shisham	Branches	20.3	0.40	0.26	0.037	Open Forest
Salvadora Spp.	Leaves	8.9	0.14	0.095	0.013	Dense Forest
Salvadora Spp.	Twigs	8.9	0.12	0.081	0.011	Dense Forest
Salvadora Spp.	Bark	8.9	0.12	0.081	0.011	Dense Forest
Salvadora Spp.	Branches	8.9	0.12	0.081	0.011	Dense Forest
Salvadora Spp.	Leaves	20.3	0.12	0.077	0.011	Open Forest
Salvadora Spp.	Twigs	20.3	0.10	0.066	0.0093	Open Forest
Salvadora Spp.	Bark	20.3	0.10	0.066	0.0093	Open Forest
Salvadora Spp.	Branches	20.3	0.10	0.066	0.0093	Open Forest
Mango	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Cottonwood	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Neem	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Umbrella Thorn Acacia	Leaves	8.9	0.096	0.063	0.0089	Dense Forest
Babul	Leaves	5.4	0.091	0.060	0.0084	Scrub
Eucalyptus	Leaves	5.4	0.087	0.057	0.0080	Scrub
Mango	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Mango	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Mango	Twigs	8.9	0.082	0.054	0.0076	Dense Forest
Neem	Twigs	8.9	0.082	0.054	0.0076	Dense Forest
Cottonwood	Twigs	8.9	0.082	0.054	0.0076	Dense Forest
Cottonwood	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Cottonwood	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Umbrella Thorn Acacia	Twigs	8.9	0.082	0.054	0.0076	Dense Forest
Umbrella Thorn Acacia	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Umbrella Thorn Acacia	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Neem	Bark	8.9	0.082	0.054	0.0076	Dense Forest
Neem	Branches	8.9	0.082	0.054	0.0076	Dense Forest
Others	Leaves	5.4	0.079	0.052	0.0073	Scrub
Babul	Twigs	5.4	0.078	0.052	0.0072	Scrub
Babul	Bark	5.4	0.078	0.052	0.0072	Scrub
Babul	Branches	5.4	0.078	0.052	0.0072	Scrub
Cottonwood	Leaves	20.3	0.078	0.051	0.0072	Open Forest
Mango	Leaves	20.3	0.078	0.051	0.0072	Open Forest
Neem	Leaves	20.3	0.078	0.051	0.0072	Open Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	20.3	0.078	0.051	0.0072	Open Forest
Eucalyptus	Twigs	5.4	0.075	0.049	0.0069	Scrub
Eucalyptus	Bark	5.4	0.075	0.049	0.0069	Scrub
Eucalyptus	Branches	5.4	0.075	0.049	0.0069	Scrub
Others	Bark	5.4	0.067	0.045	0.0062	Scrub
Others	Branches	5.4	0.067	0.045	0.0062	Scrub
Others	Twigs	5.4	0.067	0.045	0.0062	Scrub
Mango	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Mango	Bark	20.3	0.067	0.044	0.0062	Open Forest
Mango	Branches	20.3	0.067	0.044	0.0062	Open Forest
Neem	Bark	20.3	0.067	0.044	0.0062	Open Forest
Neem	Branches	20.3	0.067	0.044	0.0062	Open Forest
Cottonwood	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Cottonwood	Bark	20.3	0.067	0.044	0.0062	Open Forest
Cottonwood	Branches	20.3	0.067	0.044	0.0062	Open Forest
Neem	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Umbrella Thorn Acacia	Twigs	20.3	0.067	0.044	0.0062	Open Forest
Umbrella Thorn Acacia	Bark	20.3	0.067	0.044	0.0062	Open Forest
Umbrella Thorn Acacia	Branches	20.3	0.067	0.044	0.0062	Open Forest
Jand,Kandi	Leaves	5.4	0.062	0.041	0.0058	Scrub
Jand,Kandi	Twigs	5.4	0.053	0.035	0.0049	Scrub
Jand,Kandi	Bark	5.4	0.053	0.035	0.0049	Scrub
Jand,Kandi	Branches	5.4	0.053	0.035	0.0049	Scrub
Shisham	Leaves	5.4	0.050	0.033	0.0046	Scrub
Shisham	Twigs	5.4	0.043	0.028	0.0039	Scrub
Shisham	Bark	5.4	0.043	0.028	0.0039	Scrub
Shisham	Branches	5.4	0.043	0.028	0.0039	Scrub
Salvadora Spp.	Leaves	5.4	0.012	0.0082	0.0011	Scrub
Salvadora Spp.	Twigs	5.4	0.011	0.0070	0.00098	Scrub
Salvadora Spp.	Bark	5.4	0.011	0.0070	0.00098	Scrub
Salvadora Spp.	Branches	5.4	0.011	0.0070	0.00098	Scrub
Mango	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Cottonwood	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Neem	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Umbrella Thorn Acacia	Leaves	5.4	0.0083	0.0055	0.00077	Scrub
Mango	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Mango	Bark	5.4	0.0071	0.0047	0.00066	Scrub

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Mango	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Cottonwood	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Cottonwood	Bark	5.4	0.0071	0.0047	0.00066	Scrub
Cottonwood	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Umbrella Thorn Acacia	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Umbrella Thorn Acacia	Bark	5.4	0.0071	0.0047	0.00066	Scrub
Umbrella Thorn Acacia	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Neem	Twigs	5.4	0.0071	0.0047	0.00066	Scrub
Neem	Bark	5.4	0.0071	0.0047	0.00066	Scrub
Neem	Branches	5.4	0.0071	0.0047	0.00066	Scrub
Total		34.6	32.5	21.5	3.0	

Taluk level Residue-wise Data for Jagadiri ; Biomass Class : Forest						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	15.5	0.65	0.43	0.060	Open Forest
Eucalyptus	Leaves	15.5	0.62	0.41	0.058	Open Forest
Others	Leaves	15.5	0.56	0.37	0.052	Open Forest
Babul	Twigs	15.5	0.56	0.37	0.052	Open Forest
Babul	Bark	15.5	0.56	0.37	0.052	Open Forest
Babul	Branches	15.5	0.56	0.37	0.052	Open Forest
Eucalyptus	Twigs	15.5	0.53	0.35	0.049	Open Forest
Eucalyptus	Bark	15.5	0.53	0.35	0.049	Open Forest
Eucalyptus	Branches	15.5	0.53	0.35	0.049	Open Forest
Others	Twigs	15.5	0.48	0.32	0.045	Open Forest
Others	Bark	15.5	0.48	0.32	0.045	Open Forest
Others	Branches	15.5	0.48	0.32	0.045	Open Forest
Jand,Kandi	Leaves	15.5	0.45	0.30	0.041	Open Forest
Jand,Kandi	Twigs	15.5	0.38	0.25	0.035	Open Forest
Jand,Kandi	Bark	15.5	0.38	0.25	0.035	Open Forest
Jand,Kandi	Branches	15.5	0.38	0.25	0.035	Open Forest
Shisham	Leaves	15.5	0.36	0.24	0.033	Open Forest
Shisham	Twigs	15.5	0.31	0.20	0.028	Open Forest
Shisham	Bark	15.5	0.31	0.20	0.028	Open Forest
Shisham	Branches	15.5	0.31	0.20	0.028	Open Forest
Salvadora Spp.	Leaves	15.5	0.089	0.059	0.0082	Open Forest

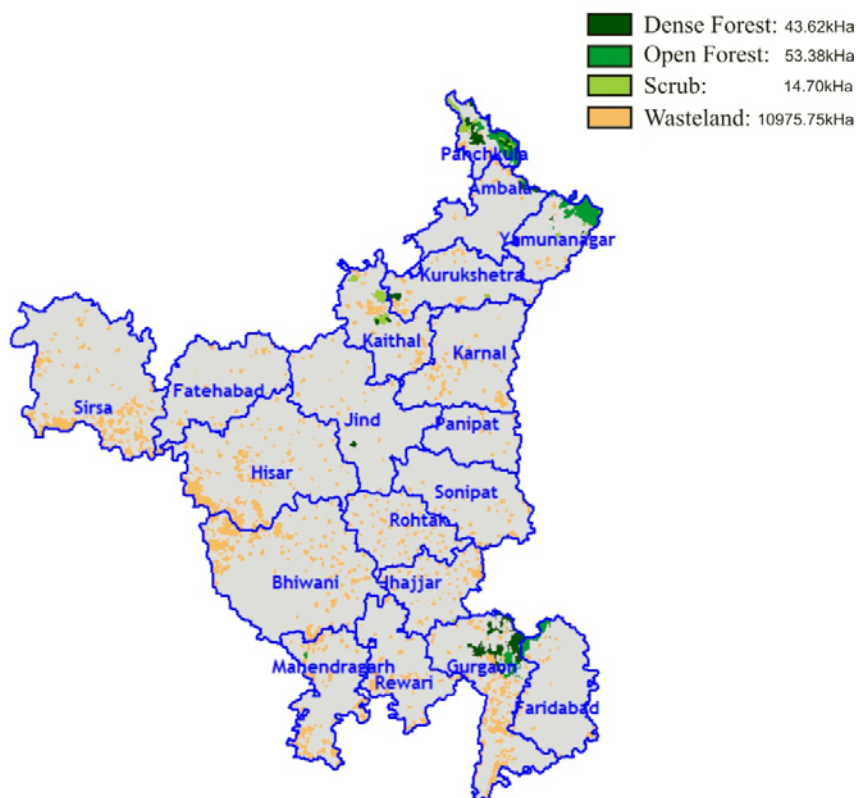
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.68	0.081	0.053	0.0074	Dense Forest
Eucalyptus	Leaves	0.68	0.077	0.051	0.0071	Dense Forest
Salvadora Spp.	Twigs	15.5	0.076	0.050	0.0071	Open Forest
Salvadora Spp.	Bark	15.5	0.076	0.050	0.0071	Open Forest
Salvadora Spp.	Branches	15.5	0.076	0.050	0.0071	Open Forest
Others	Leaves	0.68	0.070	0.046	0.0064	Dense Forest
Babul	Twigs	0.68	0.069	0.046	0.0064	Dense Forest
Babul	Bark	0.68	0.069	0.046	0.0064	Dense Forest
Babul	Branches	0.68	0.069	0.046	0.0064	Dense Forest
Eucalyptus	Twigs	0.68	0.066	0.044	0.0061	Dense Forest
Eucalyptus	Bark	0.68	0.066	0.044	0.0061	Dense Forest
Eucalyptus	Branches	0.68	0.066	0.044	0.0061	Dense Forest
Others	Twigs	0.68	0.060	0.039	0.0055	Dense Forest
Others	Bark	0.68	0.060	0.039	0.0055	Dense Forest
Others	Branches	0.68	0.060	0.039	0.0055	Dense Forest
Cottonwood	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Mango	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Neem	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Umbrella Thorn Acacia	Leaves	15.5	0.059	0.039	0.0055	Open Forest
Jand,Kandi	Leaves	0.68	0.055	0.036	0.0051	Dense Forest
Mango	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Mango	Bark	15.5	0.051	0.034	0.0047	Open Forest
Mango	Branches	15.5	0.051	0.034	0.0047	Open Forest
Cottonwood	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Cottonwood	Bark	15.5	0.051	0.034	0.0047	Open Forest
Cottonwood	Branches	15.5	0.051	0.034	0.0047	Open Forest
Umbrella Thorn Acacia	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Umbrella Thorn Acacia	Bark	15.5	0.051	0.034	0.0047	Open Forest
Umbrella Thorn Acacia	Branches	15.5	0.051	0.034	0.0047	Open Forest
Neem	Twigs	15.5	0.051	0.034	0.0047	Open Forest
Neem	Bark	15.5	0.051	0.034	0.0047	Open Forest
Neem	Branches	15.5	0.051	0.034	0.0047	Open Forest
Jand,Kandi	Twigs	0.68	0.047	0.031	0.0043	Dense Forest
Jand,Kandi	Bark	0.68	0.047	0.031	0.0043	Dense Forest
Jand,Kandi	Branches	0.68	0.047	0.031	0.0043	Dense Forest
Shisham	Leaves	0.68	0.044	0.029	0.0041	Dense Forest
Shisham	Twigs	0.68	0.038	0.025	0.0035	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	0.68	0.038	0.025	0.0035	Dense Forest
Shisham	Branches	0.68	0.038	0.025	0.0035	Dense Forest
Babul	Leaves	1.4	0.023	0.015	0.0021	Scrub
Eucalyptus	Leaves	1.4	0.022	0.015	0.0021	Scrub
Others	Leaves	1.4	0.020	0.013	0.0019	Scrub
Babul	Twigs	1.4	0.020	0.013	0.0018	Scrub
Babul	Bark	1.4	0.020	0.013	0.0018	Scrub
Babul	Branches	1.4	0.020	0.013	0.0018	Scrub
Eucalyptus	Bark	1.4	0.019	0.013	0.0018	Scrub
Eucalyptus	Branches	1.4	0.019	0.013	0.0018	Scrub
Eucalyptus	Twigs	1.4	0.019	0.013	0.0018	Scrub
Others	Twigs	1.4	0.017	0.011	0.0016	Scrub
Others	Bark	1.4	0.017	0.011	0.0016	Scrub
Others	Branches	1.4	0.017	0.011	0.0016	Scrub
Jand,Kandi	Leaves	1.4	0.016	0.011	0.0015	Scrub
Jand,Kandi	Twigs	1.4	0.014	0.0089	0.0013	Scrub
Jand,Kandi	Bark	1.4	0.014	0.0089	0.0013	Scrub
Jand,Kandi	Branches	1.4	0.014	0.0089	0.0013	Scrub
Shisham	Leaves	1.4	0.013	0.0084	0.0012	Scrub
Salvadora Spp.	Leaves	0.68	0.011	0.0073	0.0010	Dense Forest
Shisham	Twigs	1.4	0.011	0.0072	0.0010	Scrub
Shisham	Bark	1.4	0.011	0.0072	0.0010	Scrub
Shisham	Branches	1.4	0.011	0.0072	0.0010	Scrub
Salvadora Spp.	Twigs	0.68	0.0094	0.0062	0.00087	Dense Forest
Salvadora Spp.	Bark	0.68	0.0094	0.0062	0.00087	Dense Forest
Salvadora Spp.	Branches	0.68	0.0094	0.0062	0.00087	Dense Forest
Mango	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Cottonwood	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Neem	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Umbrella Thorn Acacia	Leaves	0.68	0.0073	0.0048	0.00068	Dense Forest
Mango	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest
Mango	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Mango	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Neem	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest
Neem	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Neem	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Cottonwood	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Cottonwood	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Umbrella Thorn Acacia	Twigs	0.68	0.0063	0.0041	0.00058	Dense Forest
Umbrella Thorn Acacia	Bark	0.68	0.0063	0.0041	0.00058	Dense Forest
Umbrella Thorn Acacia	Branches	0.68	0.0063	0.0041	0.00058	Dense Forest
Salvadora Spp.	Leaves	1.4	0.0032	0.0021	0.00029	Scrub
Salvadora Spp.	Twigs	1.4	0.0027	0.0018	0.00025	Scrub
Salvadora Spp.	Bark	1.4	0.0027	0.0018	0.00025	Scrub
Salvadora Spp.	Branches	1.4	0.0027	0.0018	0.00025	Scrub
Cottonwood	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Mango	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Neem	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Umbrella Thorn Acacia	Leaves	1.4	0.0021	0.0014	0.00020	Scrub
Mango	Twigs	1.4	0.0018	0.0012	0.00017	Scrub
Mango	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Mango	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Cottonwood	Twigs	1.4	0.0018	0.0012	0.00017	Scrub
Cottonwood	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Cottonwood	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Umbrella Thorn Acacia	Twigs	1.4	0.0018	0.0012	0.00017	Scrub
Umbrella Thorn Acacia	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Umbrella Thorn Acacia	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Neem	Twigs	1.4	0.0018	0.0012	0.00017	Scrub
Neem	Bark	1.4	0.0018	0.0012	0.00017	Scrub
Neem	Branches	1.4	0.0018	0.0012	0.00017	Scrub
Total		17.5	12.3	8.1	1.1	

Wasteland

Haryana Forest And Wasteland Map



State Level Residue Wise

State level Residue-wise Data for Haryana; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	221.0	18.7	12.3	1.7	Wasteland
Eucalyptus	Leaves	221.0	17.8	11.8	1.6	Wasteland
Others	Leaves	221.0	16.1	10.6	1.5	Wasteland
Babul	Twigs	221.0	16.0	10.6	1.5	Wasteland
Babul	Branches	221.0	16.0	10.6	1.5	Wasteland
Babul	Bark	221.0	16.0	10.6	1.5	Wasteland
Eucalyptus	Twigs	221.0	15.3	10.1	1.4	Wasteland
Eucalyptus	Bark	221.0	15.3	10.1	1.4	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Eucalyptus	Branches	221.0	15.3	10.1	1.4	Wasteland
Others	Branches	221.0	13.8	9.1	1.3	Wasteland
Others	Bark	221.0	13.8	9.1	1.3	Wasteland
Others	Twigs	221.0	13.8	9.1	1.3	Wasteland
Jand,Kandi	Leaves	221.0	12.8	8.4	1.2	Wasteland
Jand,Kandi	Bark	221.0	10.9	7.2	1.0	Wasteland
Jand,Kandi	Branches	221.0	10.9	7.2	1.0	Wasteland
Jand,Kandi	Twigs	221.0	10.9	7.2	1.0	Wasteland
Shisham	Leaves	221.0	10.2	6.7	0.94	Wasteland
Shisham	Branches	221.0	8.7	5.8	0.81	Wasteland
Shisham	Twigs	221.0	8.7	5.8	0.81	Wasteland
Shisham	Bark	221.0	8.7	5.8	0.81	Wasteland
Salvadora Spp.	Leaves	221.0	2.5	1.7	0.24	Wasteland
Salvadora Spp.	Branches	221.0	2.2	1.4	0.20	Wasteland
Salvadora Spp.	Twigs	221.0	2.2	1.4	0.20	Wasteland
Salvadora Spp.	Bark	221.0	2.2	1.4	0.20	Wasteland
Mango	Leaves	221.0	1.7	1.1	0.16	Wasteland
Cottonwood	Leaves	221.0	1.7	1.1	0.16	Wasteland
Umbrella Thorn Acacia	Leaves	221.0	1.7	1.1	0.16	Wasteland
Neem	Leaves	221.0	1.7	1.1	0.16	Wasteland
Mango	Bark	221.0	1.5	0.96	0.13	Wasteland
Cottonwood	Branches	221.0	1.5	0.96	0.13	Wasteland
Mango	Twigs	221.0	1.5	0.96	0.13	Wasteland
Umbrella Thorn Acacia	Twigs	221.0	1.5	0.96	0.13	Wasteland
Cottonwood	Twigs	221.0	1.5	0.96	0.13	Wasteland
Umbrella Thorn Acacia	Bark	221.0	1.5	0.96	0.13	Wasteland
Neem	Twigs	221.0	1.5	0.96	0.13	Wasteland
Umbrella Thorn Acacia	Branches	221.0	1.5	0.96	0.13	Wasteland
Neem	Branches	221.0	1.5	0.96	0.13	Wasteland
Mango	Branches	221.0	1.5	0.96	0.13	Wasteland
Cottonwood	Bark	221.0	1.5	0.96	0.13	Wasteland
Neem	Bark	221.0	1.5	0.96	0.13	Wasteland
Total		221.0	303.0	199.9	28.0	

State Level District Wise

State level District-wise Data for Haryana ; Biomass Class : Wasteland				
District	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	40.0	54.8	36.1	5.1
Bhiwani	35.0	48.0	31.7	4.4
Hisar	33.4	45.8	30.2	4.2
Gurgaon	31.9	43.8	28.9	4.0
Mahendragarh	17.4	23.8	15.7	2.2
Rewari	10.1	13.8	9.1	1.3
Karnal	7.7	10.5	7.0	0.97
Jhajjar	6.7	9.2	6.1	0.85
Kaithal	6.6	9.0	6.0	0.84
Rohtak	6.1	8.3	5.5	0.77
Fatehabad	4.4	6.1	4.0	0.56
Sonapat	3.9	5.3	3.5	0.49
Kurukshetra	3.8	5.2	3.4	0.48
Faridabad	3.3	4.5	3.0	0.42
Jind	2.5	3.4	2.2	0.31
Ambala	2.2	3.1	2.0	0.28
Panchkula	2.2	3.0	2.0	0.28
Panipat	2.0	2.7	1.8	0.25
Yamunanagar	1.9	2.6	1.7	0.24
Total	221.0	303.0	199.9	28.0

State Level Taluk Wise

State level Taluk-wise Data for Haryana ; Biomass Class : Wasteland					
District	Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	Sirsa	34.9	47.8	31.6	4.4
Hisar	Hisar	30.8	42.2	27.9	3.9
Bhiwani	Siwani	21.8	29.8	19.7	2.8
Gurgaon	Nuh	16.8	23.0	15.2	2.1
Gurgaon	Firozpur Jhirka	12.8	17.6	11.6	1.6
Mahendragarh	Narnaul	10.6	14.6	9.6	1.3
Rewari	Rewari	7.6	10.4	6.9	0.96
Mahendragarh	Mahendragarh	6.8	9.3	6.1	0.85
Bhiwani	Dadri	6.5	8.9	5.9	0.82
Karnal	Karnal	5.8	7.9	5.2	0.73
Sirsa	Dabwali	5.1	6.9	4.6	0.64
Bhiwani	Bhiwani	4.7	6.5	4.3	0.60
Jhajjar	Bahadurgarh	4.6	6.3	4.1	0.58
Rohtak	Rohtak	4.2	5.7	3.8	0.53
Sonipat	Sonipat	3.4	4.6	3.1	0.43
Kaithal	Kaithal	3.3	4.6	3.0	0.42
Kaithal	Gulha	3.3	4.5	2.9	0.41
Fatehabad	Fatehabad	2.9	4.0	2.6	0.37
Hisar	Hansi	2.6	3.6	2.4	0.33
Panchkula	Kalka	2.2	3.0	2.0	0.28
Jhajjar	Jhajjar	2.1	2.9	1.9	0.27
Bhiwani	Bawani Khera	2.0	2.8	1.9	0.26
Panipat	Panipat	2.0	2.7	1.8	0.25
Yamunanagar	Jagadiri	1.9	2.6	1.7	0.24
Karnal	Asandh	1.9	2.6	1.7	0.24
Kurukshetra	Pehowa	1.9	2.6	1.7	0.24
Rohtak	Maham	1.9	2.6	1.7	0.24
Kurukshetra	Thanesar	1.9	2.5	1.7	0.23
Ambala	Narayangarh	1.7	2.3	1.5	0.22
Gurgaon	Gurgaon	1.6	2.2	1.4	0.20
Jind	Narwana	1.5	2.0	1.3	0.19
Rewari	Bawal	1.4	2.0	1.3	0.18
Faridabad	Palwal	1.3	1.8	1.2	0.16
Fatehabad	Tohana	1.2	1.7	1.1	0.15

District	Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Faridabad	Hathin	1.1	1.5	1.0	0.14
Rewari	Kosli	1.1	1.5	0.97	0.14
Jind	Jind	0.90	1.2	0.82	0.11
Faridabad	Ballabgarh	0.87	1.2	0.79	0.11
Gurgaon	Pataudi	0.73	1.0	0.66	0.093
Ambala	Ambala	0.52	0.71	0.47	0.066
Sonipat	Gohana	0.41	0.56	0.37	0.051
Fatehabad	Ratia	0.34	0.47	0.31	0.043
Jind	Safidon	0.074	0.10	0.067	0.0094
Sonipat	Ganaur	0.070	0.096	0.063	0.0088
Bhiwani	Loharu	0.0088	0.012	0.0079	0.0011
Total		221.0	303.0	199.9	28.0

District Level Residue Wise

District level Residue-wise Data for Ambala; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.2	0.19	0.12	0.017	Wasteland
Eucalyptus	Leaves	2.2	0.18	0.12	0.017	Wasteland
Others	Leaves	2.2	0.16	0.11	0.015	Wasteland
Babul	Twigs	2.2	0.16	0.11	0.015	Wasteland
Babul	Bark	2.2	0.16	0.11	0.015	Wasteland
Babul	Branches	2.2	0.16	0.11	0.015	Wasteland
Eucalyptus	Twigs	2.2	0.15	0.10	0.014	Wasteland
Eucalyptus	Bark	2.2	0.15	0.10	0.014	Wasteland
Eucalyptus	Branches	2.2	0.15	0.10	0.014	Wasteland
Others	Twigs	2.2	0.14	0.092	0.013	Wasteland
Others	Bark	2.2	0.14	0.092	0.013	Wasteland
Others	Branches	2.2	0.14	0.092	0.013	Wasteland
Jand,Kandi	Leaves	2.2	0.13	0.085	0.012	Wasteland
Jand,Kandi	Twigs	2.2	0.11	0.072	0.010	Wasteland
Jand,Kandi	Bark	2.2	0.11	0.072	0.010	Wasteland
Jand,Kandi	Branches	2.2	0.11	0.072	0.010	Wasteland
Shisham	Leaves	2.2	0.10	0.068	0.0095	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Twigs	2.2	0.088	0.058	0.0081	Wasteland
Shisham	Bark	2.2	0.088	0.058	0.0081	Wasteland
Shisham	Branches	2.2	0.088	0.058	0.0081	Wasteland
Salvadora Spp.	Leaves	2.2	0.026	0.017	0.0024	Wasteland
Salvadora Spp.	Twigs	2.2	0.022	0.015	0.0020	Wasteland
Salvadora Spp.	Bark	2.2	0.022	0.015	0.0020	Wasteland
Salvadora Spp.	Branches	2.2	0.022	0.015	0.0020	Wasteland
Mango	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Cottonwood	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Neem	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Umbrella Thorn Acacia	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Mango	Twigs	2.2	0.015	0.0097	0.0014	Wasteland
Mango	Bark	2.2	0.015	0.0097	0.0014	Wasteland
Mango	Branches	2.2	0.015	0.0097	0.0014	Wasteland
Cottonwood	Twigs	2.2	0.015	0.0097	0.0014	Wasteland
Cottonwood	Bark	2.2	0.015	0.0097	0.0014	Wasteland
Cottonwood	Branches	2.2	0.015	0.0097	0.0014	Wasteland
Neem	Bark	2.2	0.015	0.0097	0.0014	Wasteland
Neem	Branches	2.2	0.015	0.0097	0.0014	Wasteland
Neem	Twigs	2.2	0.015	0.0097	0.0014	Wasteland
Umbrella Thorn Acacia	Twigs	2.2	0.015	0.0097	0.0014	Wasteland
Umbrella Thorn Acacia	Bark	2.2	0.015	0.0097	0.0014	Wasteland
Umbrella Thorn Acacia	Branches	2.2	0.015	0.0097	0.0014	Wasteland
Total		2.2	3.1	2.0	0.28	

District level Residue-wise Data for Bhiwani; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	35.0	3.0	2.0	0.27	Wasteland
Eucalyptus	Leaves	35.0	2.8	1.9	0.26	Wasteland
Others	Leaves	35.0	2.6	1.7	0.24	Wasteland
Babul	Twigs	35.0	2.5	1.7	0.23	Wasteland
Babul	Bark	35.0	2.5	1.7	0.23	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Branches	35.0	2.5	1.7	0.23	Wasteland
Eucalyptus	Twigs	35.0	2.4	1.6	0.22	Wasteland
Eucalyptus	Bark	35.0	2.4	1.6	0.22	Wasteland
Eucalyptus	Branches	35.0	2.4	1.6	0.22	Wasteland
Others	Twigs	35.0	2.2	1.4	0.20	Wasteland
Others	Bark	35.0	2.2	1.4	0.20	Wasteland
Others	Branches	35.0	2.2	1.4	0.20	Wasteland
Jand,Kandi	Leaves	35.0	2.0	1.3	0.19	Wasteland
Jand,Kandi	Twigs	35.0	1.7	1.1	0.16	Wasteland
Jand,Kandi	Bark	35.0	1.7	1.1	0.16	Wasteland
Jand,Kandi	Branches	35.0	1.7	1.1	0.16	Wasteland
Shisham	Leaves	35.0	1.6	1.1	0.15	Wasteland
Shisham	Twigs	35.0	1.4	0.91	0.13	Wasteland
Shisham	Bark	35.0	1.4	0.91	0.13	Wasteland
Shisham	Branches	35.0	1.4	0.91	0.13	Wasteland
Salvadora Spp.	Leaves	35.0	0.40	0.27	0.037	Wasteland
Salvadora Spp.	Twigs	35.0	0.35	0.23	0.032	Wasteland
Salvadora Spp.	Bark	35.0	0.35	0.23	0.032	Wasteland
Salvadora Spp.	Branches	35.0	0.35	0.23	0.032	Wasteland
Mango	Leaves	35.0	0.27	0.18	0.025	Wasteland
Cottonwood	Leaves	35.0	0.27	0.18	0.025	Wasteland
Neem	Leaves	35.0	0.27	0.18	0.025	Wasteland
Umbrella Thorn Acacia	Leaves	35.0	0.27	0.18	0.025	Wasteland
Mango	Twigs	35.0	0.23	0.15	0.021	Wasteland
Mango	Bark	35.0	0.23	0.15	0.021	Wasteland
Mango	Branches	35.0	0.23	0.15	0.021	Wasteland
Cottonwood	Twigs	35.0	0.23	0.15	0.021	Wasteland
Cottonwood	Bark	35.0	0.23	0.15	0.021	Wasteland
Cottonwood	Branches	35.0	0.23	0.15	0.021	Wasteland
Neem	Bark	35.0	0.23	0.15	0.021	Wasteland
Neem	Branches	35.0	0.23	0.15	0.021	Wasteland
Neem	Twigs	35.0	0.23	0.15	0.021	Wasteland
Umbrella Thorn Acacia	Twigs	35.0	0.23	0.15	0.021	Wasteland
Umbrella Thorn Acacia	Bark	35.0	0.23	0.15	0.021	Wasteland
Umbrella Thorn Acacia	Branches	35.0	0.23	0.15	0.021	Wasteland
Total		35.0	48.0	31.7	4.4	

District level Residue-wise Data for Faridabad; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	3.3	0.28	0.18	0.026	Wasteland
Eucalyptus	Leaves	3.3	0.26	0.17	0.024	Wasteland
Others	Leaves	3.3	0.24	0.16	0.022	Wasteland
Babul	Twigs	3.3	0.24	0.16	0.022	Wasteland
Babul	Bark	3.3	0.24	0.16	0.022	Wasteland
Babul	Branches	3.3	0.24	0.16	0.022	Wasteland
Eucalyptus	Twigs	3.3	0.23	0.15	0.021	Wasteland
Eucalyptus	Bark	3.3	0.23	0.15	0.021	Wasteland
Eucalyptus	Branches	3.3	0.23	0.15	0.021	Wasteland
Others	Twigs	3.3	0.21	0.14	0.019	Wasteland
Others	Bark	3.3	0.21	0.14	0.019	Wasteland
Others	Branches	3.3	0.21	0.14	0.019	Wasteland
Jand,Kandi	Leaves	3.3	0.19	0.13	0.018	Wasteland
Jand,Kandi	Twigs	3.3	0.16	0.11	0.015	Wasteland
Jand,Kandi	Bark	3.3	0.16	0.11	0.015	Wasteland
Jand,Kandi	Branches	3.3	0.16	0.11	0.015	Wasteland
Shisham	Leaves	3.3	0.15	0.100	0.014	Wasteland
Shisham	Twigs	3.3	0.13	0.085	0.012	Wasteland
Shisham	Bark	3.3	0.13	0.085	0.012	Wasteland
Shisham	Branches	3.3	0.13	0.085	0.012	Wasteland
Salvadora Spp.	Leaves	3.3	0.038	0.025	0.0035	Wasteland
Salvadora Spp.	Twigs	3.3	0.032	0.021	0.0030	Wasteland
Salvadora Spp.	Bark	3.3	0.032	0.021	0.0030	Wasteland
Salvadora Spp.	Branches	3.3	0.032	0.021	0.0030	Wasteland
Mango	Leaves	3.3	0.025	0.017	0.0023	Wasteland
Cottonwood	Leaves	3.3	0.025	0.017	0.0023	Wasteland
Neem	Leaves	3.3	0.025	0.017	0.0023	Wasteland
Umbrella Thorn Acacia	Leaves	3.3	0.025	0.017	0.0023	Wasteland
Umbrella Thorn Acacia	Twigs	3.3	0.022	0.014	0.0020	Wasteland
Umbrella Thorn Acacia	Bark	3.3	0.022	0.014	0.0020	Wasteland
Umbrella Thorn Acacia	Branches	3.3	0.022	0.014	0.0020	Wasteland
Neem	Twigs	3.3	0.022	0.014	0.0020	Wasteland
Mango	Twigs	3.3	0.022	0.014	0.0020	Wasteland
Neem	Bark	3.3	0.022	0.014	0.0020	Wasteland
Neem	Branches	3.3	0.022	0.014	0.0020	Wasteland
Cottonwood	Twigs	3.3	0.022	0.014	0.0020	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	3.3	0.022	0.014	0.0020	Wasteland
Cottonwood	Branches	3.3	0.022	0.014	0.0020	Wasteland
Mango	Bark	3.3	0.022	0.014	0.0020	Wasteland
Mango	Branches	3.3	0.022	0.014	0.0020	Wasteland
Total		3.3	4.5	3.0	0.42	

District level Residue-wise Data for Fatehabad; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	4.4	0.38	0.25	0.035	Wasteland
Eucalyptus	Leaves	4.4	0.36	0.24	0.033	Wasteland
Others	Leaves	4.4	0.32	0.21	0.030	Wasteland
Babul	Twigs	4.4	0.32	0.21	0.030	Wasteland
Babul	Bark	4.4	0.32	0.21	0.030	Wasteland
Babul	Branches	4.4	0.32	0.21	0.030	Wasteland
Eucalyptus	Twigs	4.4	0.31	0.20	0.028	Wasteland
Eucalyptus	Bark	4.4	0.31	0.20	0.028	Wasteland
Eucalyptus	Branches	4.4	0.31	0.20	0.028	Wasteland
Others	Twigs	4.4	0.28	0.18	0.026	Wasteland
Others	Bark	4.4	0.28	0.18	0.026	Wasteland
Others	Branches	4.4	0.28	0.18	0.026	Wasteland
Jand,Kandi	Leaves	4.4	0.26	0.17	0.024	Wasteland
Jand,Kandi	Twigs	4.4	0.22	0.14	0.020	Wasteland
Jand,Kandi	Bark	4.4	0.22	0.14	0.020	Wasteland
Jand,Kandi	Branches	4.4	0.22	0.14	0.020	Wasteland
Shisham	Leaves	4.4	0.20	0.14	0.019	Wasteland
Shisham	Twigs	4.4	0.18	0.12	0.016	Wasteland
Shisham	Bark	4.4	0.18	0.12	0.016	Wasteland
Shisham	Branches	4.4	0.18	0.12	0.016	Wasteland
Salvadora Spp.	Leaves	4.4	0.051	0.034	0.0047	Wasteland
Salvadora Spp.	Twigs	4.4	0.044	0.029	0.0041	Wasteland
Salvadora Spp.	Bark	4.4	0.044	0.029	0.0041	Wasteland
Salvadora Spp.	Branches	4.4	0.044	0.029	0.0041	Wasteland
Mango	Leaves	4.4	0.034	0.023	0.0032	Wasteland
Cottonwood	Leaves	4.4	0.034	0.023	0.0032	Wasteland
Neem	Leaves	4.4	0.034	0.023	0.0032	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	4.4	0.034	0.023	0.0032	Wasteland
Umbrella Thorn Acacia	Twigs	4.4	0.029	0.019	0.0027	Wasteland
Umbrella Thorn Acacia	Bark	4.4	0.029	0.019	0.0027	Wasteland
Umbrella Thorn Acacia	Branches	4.4	0.029	0.019	0.0027	Wasteland
Neem	Twigs	4.4	0.029	0.019	0.0027	Wasteland
Mango	Twigs	4.4	0.029	0.019	0.0027	Wasteland
Neem	Bark	4.4	0.029	0.019	0.0027	Wasteland
Neem	Branches	4.4	0.029	0.019	0.0027	Wasteland
Cottonwood	Twigs	4.4	0.029	0.019	0.0027	Wasteland
Cottonwood	Bark	4.4	0.029	0.019	0.0027	Wasteland
Cottonwood	Branches	4.4	0.029	0.019	0.0027	Wasteland
Mango	Bark	4.4	0.029	0.019	0.0027	Wasteland
Mango	Branches	4.4	0.029	0.019	0.0027	Wasteland
Total		4.4	6.1	4.0	0.56	

District level Residue-wise Data for Gurgaon; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	31.9	2.7	1.8	0.25	Wasteland
Eucalyptus	Leaves	31.9	2.6	1.7	0.24	Wasteland
Others	Leaves	31.9	2.3	1.5	0.22	Wasteland
Babul	Twigs	31.9	2.3	1.5	0.21	Wasteland
Babul	Bark	31.9	2.3	1.5	0.21	Wasteland
Babul	Branches	31.9	2.3	1.5	0.21	Wasteland
Eucalyptus	Twigs	31.9	2.2	1.5	0.20	Wasteland
Eucalyptus	Bark	31.9	2.2	1.5	0.20	Wasteland
Eucalyptus	Branches	31.9	2.2	1.5	0.20	Wasteland
Others	Twigs	31.9	2.0	1.3	0.18	Wasteland
Others	Bark	31.9	2.0	1.3	0.18	Wasteland
Others	Branches	31.9	2.0	1.3	0.18	Wasteland
Jand,Kandi	Leaves	31.9	1.8	1.2	0.17	Wasteland
Jand,Kandi	Twigs	31.9	1.6	1.0	0.15	Wasteland
Jand,Kandi	Bark	31.9	1.6	1.0	0.15	Wasteland
Jand,Kandi	Branches	31.9	1.6	1.0	0.15	Wasteland
Shisham	Leaves	31.9	1.5	0.97	0.14	Wasteland
Shisham	Twigs	31.9	1.3	0.83	0.12	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	31.9	1.3	0.83	0.12	Wasteland
Shisham	Branches	31.9	1.3	0.83	0.12	Wasteland
Salvadora Spp.	Leaves	31.9	0.37	0.24	0.034	Wasteland
Salvadora Spp.	Twigs	31.9	0.32	0.21	0.029	Wasteland
Salvadora Spp.	Bark	31.9	0.32	0.21	0.029	Wasteland
Salvadora Spp.	Branches	31.9	0.32	0.21	0.029	Wasteland
Mango	Leaves	31.9	0.25	0.16	0.023	Wasteland
Cottonwood	Leaves	31.9	0.25	0.16	0.023	Wasteland
Neem	Leaves	31.9	0.25	0.16	0.023	Wasteland
Umbrella Thorn Acacia	Leaves	31.9	0.25	0.16	0.023	Wasteland
Umbrella Thorn Acacia	Twigs	31.9	0.21	0.14	0.019	Wasteland
Umbrella Thorn Acacia	Bark	31.9	0.21	0.14	0.019	Wasteland
Umbrella Thorn Acacia	Branches	31.9	0.21	0.14	0.019	Wasteland
Neem	Twigs	31.9	0.21	0.14	0.019	Wasteland
Mango	Twigs	31.9	0.21	0.14	0.019	Wasteland
Neem	Bark	31.9	0.21	0.14	0.019	Wasteland
Neem	Branches	31.9	0.21	0.14	0.019	Wasteland
Cottonwood	Twigs	31.9	0.21	0.14	0.019	Wasteland
Cottonwood	Bark	31.9	0.21	0.14	0.019	Wasteland
Cottonwood	Branches	31.9	0.21	0.14	0.019	Wasteland
Mango	Bark	31.9	0.21	0.14	0.019	Wasteland
Mango	Branches	31.9	0.21	0.14	0.019	Wasteland
Total		31.9	43.8	28.9	4.0	

District level Residue-wise Data for Hisar; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	33.4	2.8	1.9	0.26	Wasteland
Eucalyptus	Leaves	33.4	2.7	1.8	0.25	Wasteland
Others	Leaves	33.4	2.4	1.6	0.23	Wasteland
Babul	Twigs	33.4	2.4	1.6	0.22	Wasteland
Babul	Bark	33.4	2.4	1.6	0.22	Wasteland
Babul	Branches	33.4	2.4	1.6	0.22	Wasteland
Eucalyptus	Twigs	33.4	2.3	1.5	0.21	Wasteland
Eucalyptus	Bark	33.4	2.3	1.5	0.21	Wasteland
Eucalyptus	Branches	33.4	2.3	1.5	0.21	Wasteland
Others	Twigs	33.4	2.1	1.4	0.19	Wasteland
Others	Bark	33.4	2.1	1.4	0.19	Wasteland
Others	Branches	33.4	2.1	1.4	0.19	Wasteland
Jand,Kandi	Leaves	33.4	1.9	1.3	0.18	Wasteland
Jand,Kandi	Twigs	33.4	1.6	1.1	0.15	Wasteland
Jand,Kandi	Bark	33.4	1.6	1.1	0.15	Wasteland
Jand,Kandi	Branches	33.4	1.6	1.1	0.15	Wasteland
Shisham	Leaves	33.4	1.5	1.0	0.14	Wasteland
Shisham	Twigs	33.4	1.3	0.87	0.12	Wasteland
Shisham	Bark	33.4	1.3	0.87	0.12	Wasteland
Shisham	Branches	33.4	1.3	0.87	0.12	Wasteland
Salvadora Spp.	Leaves	33.4	0.38	0.25	0.036	Wasteland
Salvadora Spp.	Twigs	33.4	0.33	0.22	0.030	Wasteland
Salvadora Spp.	Bark	33.4	0.33	0.22	0.030	Wasteland
Salvadora Spp.	Branches	33.4	0.33	0.22	0.030	Wasteland
Mango	Leaves	33.4	0.26	0.17	0.024	Wasteland
Cottonwood	Leaves	33.4	0.26	0.17	0.024	Wasteland
Neem	Leaves	33.4	0.26	0.17	0.024	Wasteland
Umbrella Thorn Acacia	Leaves	33.4	0.26	0.17	0.024	Wasteland
Umbrella Thorn Acacia	Twigs	33.4	0.22	0.15	0.020	Wasteland
Umbrella Thorn Acacia	Bark	33.4	0.22	0.15	0.020	Wasteland
Umbrella Thorn Acacia	Branches	33.4	0.22	0.15	0.020	Wasteland
Neem	Twigs	33.4	0.22	0.15	0.020	Wasteland
Mango	Twigs	33.4	0.22	0.15	0.020	Wasteland
Neem	Bark	33.4	0.22	0.15	0.020	Wasteland
Neem	Branches	33.4	0.22	0.15	0.020	Wasteland
Cottonwood	Twigs	33.4	0.22	0.15	0.020	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	33.4	0.22	0.15	0.020	Wasteland
Cottonwood	Branches	33.4	0.22	0.15	0.020	Wasteland
Mango	Bark	33.4	0.22	0.15	0.020	Wasteland
Mango	Branches	33.4	0.22	0.15	0.020	Wasteland
Total		33.4	45.8	30.2	4.2	

District level Residue-wise Data for Jhajjar; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	6.7	0.57	0.38	0.053	Wasteland
Eucalyptus	Leaves	6.7	0.54	0.36	0.050	Wasteland
Others	Leaves	6.7	0.49	0.32	0.045	Wasteland
Babul	Twigs	6.7	0.49	0.32	0.045	Wasteland
Babul	Bark	6.7	0.49	0.32	0.045	Wasteland
Babul	Branches	6.7	0.49	0.32	0.045	Wasteland
Eucalyptus	Twigs	6.7	0.47	0.31	0.043	Wasteland
Eucalyptus	Bark	6.7	0.47	0.31	0.043	Wasteland
Eucalyptus	Branches	6.7	0.47	0.31	0.043	Wasteland
Others	Twigs	6.7	0.42	0.28	0.039	Wasteland
Others	Bark	6.7	0.42	0.28	0.039	Wasteland
Others	Branches	6.7	0.42	0.28	0.039	Wasteland
Jand,Kandi	Leaves	6.7	0.39	0.26	0.036	Wasteland
Jand,Kandi	Twigs	6.7	0.33	0.22	0.031	Wasteland
Jand,Kandi	Bark	6.7	0.33	0.22	0.031	Wasteland
Jand,Kandi	Branches	6.7	0.33	0.22	0.031	Wasteland
Shisham	Leaves	6.7	0.31	0.20	0.029	Wasteland
Shisham	Twigs	6.7	0.27	0.18	0.025	Wasteland
Shisham	Bark	6.7	0.27	0.18	0.025	Wasteland
Shisham	Branches	6.7	0.27	0.18	0.025	Wasteland
Salvadora Spp.	Leaves	6.7	0.078	0.051	0.0072	Wasteland
Salvadora Spp.	Twigs	6.7	0.066	0.044	0.0061	Wasteland
Salvadora Spp.	Bark	6.7	0.066	0.044	0.0061	Wasteland
Salvadora Spp.	Branches	6.7	0.066	0.044	0.0061	Wasteland
Mango	Leaves	6.7	0.052	0.034	0.0048	Wasteland
Cottonwood	Leaves	6.7	0.052	0.034	0.0048	Wasteland
Neem	Leaves	6.7	0.052	0.034	0.0048	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	6.7	0.052	0.034	0.0048	Wasteland
Mango	Twigs	6.7	0.044	0.029	0.0041	Wasteland
Mango	Bark	6.7	0.044	0.029	0.0041	Wasteland
Mango	Branches	6.7	0.044	0.029	0.0041	Wasteland
Cottonwood	Twigs	6.7	0.044	0.029	0.0041	Wasteland
Cottonwood	Bark	6.7	0.044	0.029	0.0041	Wasteland
Cottonwood	Branches	6.7	0.044	0.029	0.0041	Wasteland
Neem	Bark	6.7	0.044	0.029	0.0041	Wasteland
Neem	Branches	6.7	0.044	0.029	0.0041	Wasteland
Neem	Twigs	6.7	0.044	0.029	0.0041	Wasteland
Umbrella Thorn Acacia	Twigs	6.7	0.044	0.029	0.0041	Wasteland
Umbrella Thorn Acacia	Bark	6.7	0.044	0.029	0.0041	Wasteland
Umbrella Thorn Acacia	Branches	6.7	0.044	0.029	0.0041	Wasteland
Total		6.7	9.2	6.1	0.85	

District level Residue-wise Data for Jind; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.5	0.21	0.14	0.019	Wasteland
Eucalyptus	Leaves	2.5	0.20	0.13	0.018	Wasteland
Others	Leaves	2.5	0.18	0.12	0.017	Wasteland
Babul	Twigs	2.5	0.18	0.12	0.016	Wasteland
Babul	Bark	2.5	0.18	0.12	0.016	Wasteland
Babul	Branches	2.5	0.18	0.12	0.016	Wasteland
Eucalyptus	Twigs	2.5	0.17	0.11	0.016	Wasteland
Eucalyptus	Bark	2.5	0.17	0.11	0.016	Wasteland
Eucalyptus	Branches	2.5	0.17	0.11	0.016	Wasteland
Others	Twigs	2.5	0.15	0.10	0.014	Wasteland
Others	Bark	2.5	0.15	0.10	0.014	Wasteland
Others	Branches	2.5	0.15	0.10	0.014	Wasteland
Jand,Kandi	Leaves	2.5	0.14	0.094	0.013	Wasteland
Jand,Kandi	Twigs	2.5	0.12	0.080	0.011	Wasteland
Jand,Kandi	Bark	2.5	0.12	0.080	0.011	Wasteland
Jand,Kandi	Branches	2.5	0.12	0.080	0.011	Wasteland
Shisham	Leaves	2.5	0.11	0.075	0.010	Wasteland
Shisham	Twigs	2.5	0.097	0.064	0.0090	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	2.5	0.097	0.064	0.0090	Wasteland
Shisham	Branches	2.5	0.097	0.064	0.0090	Wasteland
Salvadora Spp.	Leaves	2.5	0.028	0.019	0.0026	Wasteland
Salvadora Spp.	Twigs	2.5	0.024	0.016	0.0022	Wasteland
Salvadora Spp.	Bark	2.5	0.024	0.016	0.0022	Wasteland
Salvadora Spp.	Branches	2.5	0.024	0.016	0.0022	Wasteland
Mango	Leaves	2.5	0.019	0.012	0.0017	Wasteland
Cottonwood	Leaves	2.5	0.019	0.012	0.0017	Wasteland
Neem	Leaves	2.5	0.019	0.012	0.0017	Wasteland
Umbrella Thorn Acacia	Leaves	2.5	0.019	0.012	0.0017	Wasteland
Mango	Twigs	2.5	0.016	0.011	0.0015	Wasteland
Mango	Bark	2.5	0.016	0.011	0.0015	Wasteland
Mango	Branches	2.5	0.016	0.011	0.0015	Wasteland
Cottonwood	Twigs	2.5	0.016	0.011	0.0015	Wasteland
Cottonwood	Bark	2.5	0.016	0.011	0.0015	Wasteland
Cottonwood	Branches	2.5	0.016	0.011	0.0015	Wasteland
Neem	Bark	2.5	0.016	0.011	0.0015	Wasteland
Neem	Branches	2.5	0.016	0.011	0.0015	Wasteland
Neem	Twigs	2.5	0.016	0.011	0.0015	Wasteland
Umbrella Thorn Acacia	Twigs	2.5	0.016	0.011	0.0015	Wasteland
Umbrella Thorn Acacia	Bark	2.5	0.016	0.011	0.0015	Wasteland
Umbrella Thorn Acacia	Branches	2.5	0.016	0.011	0.0015	Wasteland
Total		2.5	3.4	2.2	0.31	

District level Residue-wise Data for Kaithal; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	6.6	0.56	0.37	0.051	Wasteland
Eucalyptus	Leaves	6.6	0.53	0.35	0.049	Wasteland
Others	Leaves	6.6	0.48	0.32	0.044	Wasteland
Babul	Twigs	6.6	0.48	0.31	0.044	Wasteland
Babul	Bark	6.6	0.48	0.31	0.044	Wasteland
Babul	Branches	6.6	0.48	0.31	0.044	Wasteland
Eucalyptus	Twigs	6.6	0.46	0.30	0.042	Wasteland
Eucalyptus	Bark	6.6	0.46	0.30	0.042	Wasteland
Eucalyptus	Branches	6.6	0.46	0.30	0.042	Wasteland
Others	Twigs	6.6	0.41	0.27	0.038	Wasteland
Others	Bark	6.6	0.41	0.27	0.038	Wasteland
Others	Branches	6.6	0.41	0.27	0.038	Wasteland
Jand,Kandi	Leaves	6.6	0.38	0.25	0.035	Wasteland
Jand,Kandi	Twigs	6.6	0.32	0.21	0.030	Wasteland
Jand,Kandi	Bark	6.6	0.32	0.21	0.030	Wasteland
Jand,Kandi	Branches	6.6	0.32	0.21	0.030	Wasteland
Shisham	Leaves	6.6	0.30	0.20	0.028	Wasteland
Shisham	Twigs	6.6	0.26	0.17	0.024	Wasteland
Shisham	Bark	6.6	0.26	0.17	0.024	Wasteland
Shisham	Branches	6.6	0.26	0.17	0.024	Wasteland
Salvadora Spp.	Leaves	6.6	0.076	0.050	0.0070	Wasteland
Salvadora Spp.	Twigs	6.6	0.065	0.043	0.0060	Wasteland
Salvadora Spp.	Bark	6.6	0.065	0.043	0.0060	Wasteland
Salvadora Spp.	Branches	6.6	0.065	0.043	0.0060	Wasteland
Mango	Leaves	6.6	0.051	0.033	0.0047	Wasteland
Cottonwood	Leaves	6.6	0.051	0.033	0.0047	Wasteland
Neem	Leaves	6.6	0.051	0.033	0.0047	Wasteland
Umbrella Thorn Acacia	Leaves	6.6	0.051	0.033	0.0047	Wasteland
Umbrella Thorn Acacia	Twigs	6.6	0.043	0.029	0.0040	Wasteland
Umbrella Thorn Acacia	Bark	6.6	0.043	0.029	0.0040	Wasteland
Umbrella Thorn Acacia	Branches	6.6	0.043	0.029	0.0040	Wasteland
Neem	Twigs	6.6	0.043	0.029	0.0040	Wasteland
Mango	Twigs	6.6	0.043	0.029	0.0040	Wasteland
Neem	Bark	6.6	0.043	0.029	0.0040	Wasteland
Neem	Branches	6.6	0.043	0.029	0.0040	Wasteland
Cottonwood	Twigs	6.6	0.043	0.029	0.0040	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	6.6	0.043	0.029	0.0040	Wasteland
Cottonwood	Branches	6.6	0.043	0.029	0.0040	Wasteland
Mango	Bark	6.6	0.043	0.029	0.0040	Wasteland
Mango	Branches	6.6	0.043	0.029	0.0040	Wasteland
Total		6.6	9.0	6.0	0.84	

District level Residue-wise Data for Karnal; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	7.7	0.65	0.43	0.060	Wasteland
Eucalyptus	Leaves	7.7	0.62	0.41	0.057	Wasteland
Others	Leaves	7.7	0.56	0.37	0.052	Wasteland
Babul	Twigs	7.7	0.56	0.37	0.051	Wasteland
Babul	Bark	7.7	0.56	0.37	0.051	Wasteland
Babul	Branches	7.7	0.56	0.37	0.051	Wasteland
Eucalyptus	Twigs	7.7	0.53	0.35	0.049	Wasteland
Eucalyptus	Bark	7.7	0.53	0.35	0.049	Wasteland
Eucalyptus	Branches	7.7	0.53	0.35	0.049	Wasteland
Others	Twigs	7.7	0.48	0.32	0.044	Wasteland
Others	Bark	7.7	0.48	0.32	0.044	Wasteland
Others	Branches	7.7	0.48	0.32	0.044	Wasteland
Jand,Kandi	Leaves	7.7	0.44	0.29	0.041	Wasteland
Jand,Kandi	Twigs	7.7	0.38	0.25	0.035	Wasteland
Jand,Kandi	Bark	7.7	0.38	0.25	0.035	Wasteland
Jand,Kandi	Branches	7.7	0.38	0.25	0.035	Wasteland
Shisham	Leaves	7.7	0.35	0.23	0.033	Wasteland
Shisham	Twigs	7.7	0.30	0.20	0.028	Wasteland
Shisham	Bark	7.7	0.30	0.20	0.028	Wasteland
Shisham	Branches	7.7	0.30	0.20	0.028	Wasteland
Salvadora Spp.	Leaves	7.7	0.088	0.058	0.0082	Wasteland
Salvadora Spp.	Twigs	7.7	0.076	0.050	0.0070	Wasteland
Salvadora Spp.	Bark	7.7	0.076	0.050	0.0070	Wasteland
Salvadora Spp.	Branches	7.7	0.076	0.050	0.0070	Wasteland
Mango	Leaves	7.7	0.059	0.039	0.0055	Wasteland
Cottonwood	Leaves	7.7	0.059	0.039	0.0055	Wasteland
Neem	Leaves	7.7	0.059	0.039	0.0055	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	7.7	0.059	0.039	0.0055	Wasteland
Mango	Twigs	7.7	0.051	0.033	0.0047	Wasteland
Mango	Bark	7.7	0.051	0.033	0.0047	Wasteland
Mango	Branches	7.7	0.051	0.033	0.0047	Wasteland
Cottonwood	Twigs	7.7	0.051	0.033	0.0047	Wasteland
Cottonwood	Bark	7.7	0.051	0.033	0.0047	Wasteland
Cottonwood	Branches	7.7	0.051	0.033	0.0047	Wasteland
Neem	Bark	7.7	0.051	0.033	0.0047	Wasteland
Neem	Branches	7.7	0.051	0.033	0.0047	Wasteland
Neem	Twigs	7.7	0.051	0.033	0.0047	Wasteland
Umbrella Thorn Acacia	Twigs	7.7	0.051	0.033	0.0047	Wasteland
Umbrella Thorn Acacia	Bark	7.7	0.051	0.033	0.0047	Wasteland
Umbrella Thorn Acacia	Branches	7.7	0.051	0.033	0.0047	Wasteland
Total		7.7	10.5	7.0	0.97	

District level Residue-wise Data for Kurukshetra; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	3.8	0.32	0.21	0.029	Wasteland
Eucalyptus	Leaves	3.8	0.30	0.20	0.028	Wasteland
Others	Leaves	3.8	0.28	0.18	0.025	Wasteland
Babul	Twigs	3.8	0.27	0.18	0.025	Wasteland
Babul	Bark	3.8	0.27	0.18	0.025	Wasteland
Babul	Branches	3.8	0.27	0.18	0.025	Wasteland
Eucalyptus	Twigs	3.8	0.26	0.17	0.024	Wasteland
Eucalyptus	Bark	3.8	0.26	0.17	0.024	Wasteland
Eucalyptus	Branches	3.8	0.26	0.17	0.024	Wasteland
Others	Twigs	3.8	0.24	0.16	0.022	Wasteland
Others	Bark	3.8	0.24	0.16	0.022	Wasteland
Others	Branches	3.8	0.24	0.16	0.022	Wasteland
Jand,Kandi	Leaves	3.8	0.22	0.14	0.020	Wasteland
Jand,Kandi	Twigs	3.8	0.19	0.12	0.017	Wasteland
Jand,Kandi	Bark	3.8	0.19	0.12	0.017	Wasteland
Jand,Kandi	Branches	3.8	0.19	0.12	0.017	Wasteland
Shisham	Leaves	3.8	0.17	0.11	0.016	Wasteland
Shisham	Twigs	3.8	0.15	0.098	0.014	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	3.8	0.15	0.098	0.014	Wasteland
Shisham	Branches	3.8	0.15	0.098	0.014	Wasteland
Salvadora Spp.	Leaves	3.8	0.044	0.029	0.0040	Wasteland
Salvadora Spp.	Twigs	3.8	0.037	0.025	0.0034	Wasteland
Salvadora Spp.	Bark	3.8	0.037	0.025	0.0034	Wasteland
Salvadora Spp.	Branches	3.8	0.037	0.025	0.0034	Wasteland
Neem	Leaves	3.8	0.029	0.019	0.0027	Wasteland
Mango	Leaves	3.8	0.029	0.019	0.0027	Wasteland
Cottonwood	Leaves	3.8	0.029	0.019	0.0027	Wasteland
Umbrella Thorn Acacia	Leaves	3.8	0.029	0.019	0.0027	Wasteland
Umbrella Thorn Acacia	Twigs	3.8	0.025	0.016	0.0023	Wasteland
Umbrella Thorn Acacia	Bark	3.8	0.025	0.016	0.0023	Wasteland
Umbrella Thorn Acacia	Branches	3.8	0.025	0.016	0.0023	Wasteland
Cottonwood	Twigs	3.8	0.025	0.016	0.0023	Wasteland
Cottonwood	Bark	3.8	0.025	0.016	0.0023	Wasteland
Cottonwood	Branches	3.8	0.025	0.016	0.0023	Wasteland
Mango	Bark	3.8	0.025	0.016	0.0023	Wasteland
Mango	Branches	3.8	0.025	0.016	0.0023	Wasteland
Mango	Twigs	3.8	0.025	0.016	0.0023	Wasteland
Neem	Bark	3.8	0.025	0.016	0.0023	Wasteland
Neem	Branches	3.8	0.025	0.016	0.0023	Wasteland
Neem	Twigs	3.8	0.025	0.016	0.0023	Wasteland
Total		3.8	5.2	3.4	0.48	

District level Residue-wise Data for Mahendragarh; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	17.4	1.5	0.97	0.14	Wasteland
Eucalyptus	Leaves	17.4	1.4	0.92	0.13	Wasteland
Others	Leaves	17.4	1.3	0.84	0.12	Wasteland
Babul	Twigs	17.4	1.3	0.83	0.12	Wasteland
Babul	Bark	17.4	1.3	0.83	0.12	Wasteland
Babul	Branches	17.4	1.3	0.83	0.12	Wasteland
Eucalyptus	Twigs	17.4	1.2	0.79	0.11	Wasteland
Eucalyptus	Bark	17.4	1.2	0.79	0.11	Wasteland
Eucalyptus	Branches	17.4	1.2	0.79	0.11	Wasteland
Others	Twigs	17.4	1.1	0.72	0.10	Wasteland
Others	Bark	17.4	1.1	0.72	0.10	Wasteland
Others	Branches	17.4	1.1	0.72	0.10	Wasteland
Jand,Kandi	Leaves	17.4	1.0	0.66	0.093	Wasteland
Jand,Kandi	Twigs	17.4	0.86	0.56	0.079	Wasteland
Jand,Kandi	Bark	17.4	0.86	0.56	0.079	Wasteland
Jand,Kandi	Branches	17.4	0.86	0.56	0.079	Wasteland
Shisham	Leaves	17.4	0.80	0.53	0.074	Wasteland
Shisham	Twigs	17.4	0.69	0.45	0.063	Wasteland
Shisham	Bark	17.4	0.69	0.45	0.063	Wasteland
Shisham	Branches	17.4	0.69	0.45	0.063	Wasteland
Salvadora Spp.	Leaves	17.4	0.20	0.13	0.018	Wasteland
Salvadora Spp.	Twigs	17.4	0.17	0.11	0.016	Wasteland
Salvadora Spp.	Bark	17.4	0.17	0.11	0.016	Wasteland
Salvadora Spp.	Branches	17.4	0.17	0.11	0.016	Wasteland
Mango	Leaves	17.4	0.13	0.088	0.012	Wasteland
Cottonwood	Leaves	17.4	0.13	0.088	0.012	Wasteland
Neem	Leaves	17.4	0.13	0.088	0.012	Wasteland
Umbrella Thorn Acacia	Leaves	17.4	0.13	0.088	0.012	Wasteland
Umbrella Thorn Acacia	Twigs	17.4	0.11	0.075	0.011	Wasteland
Umbrella Thorn Acacia	Bark	17.4	0.11	0.075	0.011	Wasteland
Umbrella Thorn Acacia	Branches	17.4	0.11	0.075	0.011	Wasteland
Neem	Twigs	17.4	0.11	0.075	0.011	Wasteland
Mango	Twigs	17.4	0.11	0.075	0.011	Wasteland
Neem	Bark	17.4	0.11	0.075	0.011	Wasteland
Neem	Branches	17.4	0.11	0.075	0.011	Wasteland
Cottonwood	Twigs	17.4	0.11	0.075	0.011	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	17.4	0.11	0.075	0.011	Wasteland
Cottonwood	Branches	17.4	0.11	0.075	0.011	Wasteland
Mango	Bark	17.4	0.11	0.075	0.011	Wasteland
Mango	Branches	17.4	0.11	0.075	0.011	Wasteland
Total		17.4	23.8	15.7	2.2	

District level Residue-wise Data for Panchkula; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.2	0.18	0.12	0.017	Wasteland
Eucalyptus	Leaves	2.2	0.18	0.12	0.016	Wasteland
Others	Leaves	2.2	0.16	0.11	0.015	Wasteland
Babul	Twigs	2.2	0.16	0.10	0.015	Wasteland
Babul	Bark	2.2	0.16	0.10	0.015	Wasteland
Babul	Branches	2.2	0.16	0.10	0.015	Wasteland
Eucalyptus	Twigs	2.2	0.15	0.100	0.014	Wasteland
Eucalyptus	Bark	2.2	0.15	0.100	0.014	Wasteland
Eucalyptus	Branches	2.2	0.15	0.100	0.014	Wasteland
Others	Twigs	2.2	0.14	0.090	0.013	Wasteland
Others	Bark	2.2	0.14	0.090	0.013	Wasteland
Others	Branches	2.2	0.14	0.090	0.013	Wasteland
Jand,Kandi	Leaves	2.2	0.13	0.084	0.012	Wasteland
Jand,Kandi	Twigs	2.2	0.11	0.071	0.0100	Wasteland
Jand,Kandi	Bark	2.2	0.11	0.071	0.0100	Wasteland
Jand,Kandi	Branches	2.2	0.11	0.071	0.0100	Wasteland
Shisham	Leaves	2.2	0.10	0.067	0.0093	Wasteland
Shisham	Twigs	2.2	0.086	0.057	0.0080	Wasteland
Shisham	Bark	2.2	0.086	0.057	0.0080	Wasteland
Shisham	Branches	2.2	0.086	0.057	0.0080	Wasteland
Salvadora Spp.	Leaves	2.2	0.025	0.017	0.0023	Wasteland
Salvadora Spp.	Twigs	2.2	0.022	0.014	0.0020	Wasteland
Salvadora Spp.	Bark	2.2	0.022	0.014	0.0020	Wasteland
Salvadora Spp.	Branches	2.2	0.022	0.014	0.0020	Wasteland
Mango	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Cottonwood	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Neem	Leaves	2.2	0.017	0.011	0.0016	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Mango	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Mango	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Mango	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Cottonwood	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Cottonwood	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Cottonwood	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Neem	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Neem	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Neem	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Umbrella Thorn Acacia	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Umbrella Thorn Acacia	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Umbrella Thorn Acacia	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Total		2.2	3.0	2.0	0.28	

District level Residue-wise Data for Panipat; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.0	0.17	0.11	0.016	Wasteland
Eucalyptus	Leaves	2.0	0.16	0.11	0.015	Wasteland
Others	Leaves	2.0	0.15	0.096	0.014	Wasteland
Babul	Twigs	2.0	0.15	0.096	0.013	Wasteland
Babul	Bark	2.0	0.15	0.096	0.013	Wasteland
Babul	Branches	2.0	0.15	0.096	0.013	Wasteland
Eucalyptus	Twigs	2.0	0.14	0.091	0.013	Wasteland
Eucalyptus	Bark	2.0	0.14	0.091	0.013	Wasteland
Eucalyptus	Branches	2.0	0.14	0.091	0.013	Wasteland
Others	Twigs	2.0	0.13	0.083	0.012	Wasteland
Others	Bark	2.0	0.13	0.083	0.012	Wasteland
Others	Branches	2.0	0.13	0.083	0.012	Wasteland
Jand,Kandi	Leaves	2.0	0.12	0.077	0.011	Wasteland
Jand,Kandi	Twigs	2.0	0.099	0.065	0.0091	Wasteland
Jand,Kandi	Bark	2.0	0.099	0.065	0.0091	Wasteland
Jand,Kandi	Branches	2.0	0.099	0.065	0.0091	Wasteland
Shisham	Leaves	2.0	0.092	0.061	0.0085	Wasteland
Shisham	Twigs	2.0	0.079	0.052	0.0073	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	2.0	0.079	0.052	0.0073	Wasteland
Shisham	Branches	2.0	0.079	0.052	0.0073	Wasteland
Salvadora Spp.	Leaves	2.0	0.023	0.015	0.0021	Wasteland
Salvadora Spp.	Twigs	2.0	0.020	0.013	0.0018	Wasteland
Salvadora Spp.	Bark	2.0	0.020	0.013	0.0018	Wasteland
Salvadora Spp.	Branches	2.0	0.020	0.013	0.0018	Wasteland
Mango	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Cottonwood	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Neem	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Umbrella Thorn Acacia	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Umbrella Thorn Acacia	Twigs	2.0	0.013	0.0087	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Neem	Twigs	2.0	0.013	0.0087	0.0012	Wasteland
Mango	Twigs	2.0	0.013	0.0087	0.0012	Wasteland
Neem	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Neem	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Cottonwood	Twigs	2.0	0.013	0.0087	0.0012	Wasteland
Cottonwood	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Cottonwood	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Mango	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Mango	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Total		2.0	2.7	1.8	0.25	

District level Residue-wise Data for Rewari; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	10.1	0.85	0.56	0.079	Wasteland
Eucalyptus	Leaves	10.1	0.81	0.54	0.075	Wasteland
Others	Leaves	10.1	0.74	0.49	0.068	Wasteland
Babul	Twigs	10.1	0.73	0.48	0.068	Wasteland
Babul	Bark	10.1	0.73	0.48	0.068	Wasteland
Babul	Branches	10.1	0.73	0.48	0.068	Wasteland
Eucalyptus	Twigs	10.1	0.70	0.46	0.064	Wasteland
Eucalyptus	Bark	10.1	0.70	0.46	0.064	Wasteland
Eucalyptus	Branches	10.1	0.70	0.46	0.064	Wasteland
Others	Twigs	10.1	0.63	0.42	0.058	Wasteland
Others	Bark	10.1	0.63	0.42	0.058	Wasteland
Others	Branches	10.1	0.63	0.42	0.058	Wasteland
Jand,Kandi	Leaves	10.1	0.58	0.39	0.054	Wasteland
Jand,Kandi	Twigs	10.1	0.50	0.33	0.046	Wasteland
Jand,Kandi	Bark	10.1	0.50	0.33	0.046	Wasteland
Jand,Kandi	Branches	10.1	0.50	0.33	0.046	Wasteland
Shisham	Leaves	10.1	0.46	0.31	0.043	Wasteland
Shisham	Twigs	10.1	0.40	0.26	0.037	Wasteland
Shisham	Bark	10.1	0.40	0.26	0.037	Wasteland
Shisham	Branches	10.1	0.40	0.26	0.037	Wasteland
Salvadora Spp.	Leaves	10.1	0.12	0.077	0.011	Wasteland
Salvadora Spp.	Twigs	10.1	0.100	0.066	0.0092	Wasteland
Salvadora Spp.	Bark	10.1	0.100	0.066	0.0092	Wasteland
Salvadora Spp.	Branches	10.1	0.100	0.066	0.0092	Wasteland
Mango	Leaves	10.1	0.077	0.051	0.0072	Wasteland
Cottonwood	Leaves	10.1	0.077	0.051	0.0072	Wasteland
Neem	Leaves	10.1	0.077	0.051	0.0072	Wasteland
Umbrella Thorn Acacia	Leaves	10.1	0.077	0.051	0.0072	Wasteland
Mango	Twigs	10.1	0.066	0.044	0.0061	Wasteland
Mango	Bark	10.1	0.066	0.044	0.0061	Wasteland
Mango	Branches	10.1	0.066	0.044	0.0061	Wasteland
Cottonwood	Twigs	10.1	0.066	0.044	0.0061	Wasteland
Cottonwood	Bark	10.1	0.066	0.044	0.0061	Wasteland
Cottonwood	Branches	10.1	0.066	0.044	0.0061	Wasteland
Neem	Bark	10.1	0.066	0.044	0.0061	Wasteland
Neem	Branches	10.1	0.066	0.044	0.0061	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	10.1	0.066	0.044	0.0061	Wasteland
Umbrella Thorn Acacia	Twigs	10.1	0.066	0.044	0.0061	Wasteland
Umbrella Thorn Acacia	Bark	10.1	0.066	0.044	0.0061	Wasteland
Umbrella Thorn Acacia	Branches	10.1	0.066	0.044	0.0061	Wasteland
Total		10.1	13.8	9.1	1.3	

District level Residue-wise Data for Rohtak; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	6.1	0.51	0.34	0.047	Wasteland
Eucalyptus	Leaves	6.1	0.49	0.32	0.045	Wasteland
Others	Leaves	6.1	0.44	0.29	0.041	Wasteland
Babul	Twigs	6.1	0.44	0.29	0.041	Wasteland
Babul	Bark	6.1	0.44	0.29	0.041	Wasteland
Babul	Branches	6.1	0.44	0.29	0.041	Wasteland
Eucalyptus	Twigs	6.1	0.42	0.28	0.039	Wasteland
Eucalyptus	Bark	6.1	0.42	0.28	0.039	Wasteland
Eucalyptus	Branches	6.1	0.42	0.28	0.039	Wasteland
Others	Twigs	6.1	0.38	0.25	0.035	Wasteland
Others	Bark	6.1	0.38	0.25	0.035	Wasteland
Others	Branches	6.1	0.38	0.25	0.035	Wasteland
Jand,Kandi	Leaves	6.1	0.35	0.23	0.032	Wasteland
Jand,Kandi	Twigs	6.1	0.30	0.20	0.028	Wasteland
Jand,Kandi	Bark	6.1	0.30	0.20	0.028	Wasteland
Jand,Kandi	Branches	6.1	0.30	0.20	0.028	Wasteland
Shisham	Leaves	6.1	0.28	0.18	0.026	Wasteland
Shisham	Twigs	6.1	0.24	0.16	0.022	Wasteland
Shisham	Bark	6.1	0.24	0.16	0.022	Wasteland
Shisham	Branches	6.1	0.24	0.16	0.022	Wasteland
Salvadora Spp.	Leaves	6.1	0.070	0.046	0.0065	Wasteland
Salvadora Spp.	Twigs	6.1	0.060	0.040	0.0055	Wasteland
Salvadora Spp.	Bark	6.1	0.060	0.040	0.0055	Wasteland
Salvadora Spp.	Branches	6.1	0.060	0.040	0.0055	Wasteland
Mango	Leaves	6.1	0.047	0.031	0.0043	Wasteland
Cottonwood	Leaves	6.1	0.047	0.031	0.0043	Wasteland
Neem	Leaves	6.1	0.047	0.031	0.0043	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	6.1	0.047	0.031	0.0043	Wasteland
Mango	Twigs	6.1	0.040	0.026	0.0037	Wasteland
Mango	Bark	6.1	0.040	0.026	0.0037	Wasteland
Mango	Branches	6.1	0.040	0.026	0.0037	Wasteland
Cottonwood	Twigs	6.1	0.040	0.026	0.0037	Wasteland
Cottonwood	Bark	6.1	0.040	0.026	0.0037	Wasteland
Cottonwood	Branches	6.1	0.040	0.026	0.0037	Wasteland
Neem	Bark	6.1	0.040	0.026	0.0037	Wasteland
Neem	Branches	6.1	0.040	0.026	0.0037	Wasteland
Neem	Twigs	6.1	0.040	0.026	0.0037	Wasteland
Umbrella Thorn Acacia	Twigs	6.1	0.040	0.026	0.0037	Wasteland
Umbrella Thorn Acacia	Bark	6.1	0.040	0.026	0.0037	Wasteland
Umbrella Thorn Acacia	Branches	6.1	0.040	0.026	0.0037	Wasteland
Total		6.1	8.3	5.5	0.77	

District level Residue-wise Data for Sirsa; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	40.0	3.4	2.2	0.31	Wasteland
Eucalyptus	Leaves	40.0	3.2	2.1	0.30	Wasteland
Others	Leaves	40.0	2.9	1.9	0.27	Wasteland
Babul	Twigs	40.0	2.9	1.9	0.27	Wasteland
Babul	Bark	40.0	2.9	1.9	0.27	Wasteland
Babul	Branches	40.0	2.9	1.9	0.27	Wasteland
Eucalyptus	Twigs	40.0	2.8	1.8	0.26	Wasteland
Eucalyptus	Bark	40.0	2.8	1.8	0.26	Wasteland
Eucalyptus	Branches	40.0	2.8	1.8	0.26	Wasteland
Others	Twigs	40.0	2.5	1.6	0.23	Wasteland
Others	Bark	40.0	2.5	1.6	0.23	Wasteland
Others	Branches	40.0	2.5	1.6	0.23	Wasteland
Jand,Kandi	Leaves	40.0	2.3	1.5	0.21	Wasteland
Jand,Kandi	Twigs	40.0	2.0	1.3	0.18	Wasteland
Jand,Kandi	Bark	40.0	2.0	1.3	0.18	Wasteland
Jand,Kandi	Branches	40.0	2.0	1.3	0.18	Wasteland
Shisham	Leaves	40.0	1.8	1.2	0.17	Wasteland
Shisham	Twigs	40.0	1.6	1.0	0.15	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	40.0	1.6	1.0	0.15	Wasteland
Shisham	Branches	40.0	1.6	1.0	0.15	Wasteland
Salvadora Spp.	Leaves	40.0	0.46	0.30	0.043	Wasteland
Salvadora Spp.	Twigs	40.0	0.39	0.26	0.036	Wasteland
Salvadora Spp.	Bark	40.0	0.39	0.26	0.036	Wasteland
Salvadora Spp.	Branches	40.0	0.39	0.26	0.036	Wasteland
Mango	Leaves	40.0	0.31	0.20	0.028	Wasteland
Cottonwood	Leaves	40.0	0.31	0.20	0.028	Wasteland
Neem	Leaves	40.0	0.31	0.20	0.028	Wasteland
Umbrella Thorn Acacia	Leaves	40.0	0.31	0.20	0.028	Wasteland
Mango	Twigs	40.0	0.26	0.17	0.024	Wasteland
Mango	Bark	40.0	0.26	0.17	0.024	Wasteland
Mango	Branches	40.0	0.26	0.17	0.024	Wasteland
Cottonwood	Twigs	40.0	0.26	0.17	0.024	Wasteland
Cottonwood	Bark	40.0	0.26	0.17	0.024	Wasteland
Cottonwood	Branches	40.0	0.26	0.17	0.024	Wasteland
Neem	Bark	40.0	0.26	0.17	0.024	Wasteland
Neem	Branches	40.0	0.26	0.17	0.024	Wasteland
Neem	Twigs	40.0	0.26	0.17	0.024	Wasteland
Umbrella Thorn Acacia	Twigs	40.0	0.26	0.17	0.024	Wasteland
Umbrella Thorn Acacia	Bark	40.0	0.26	0.17	0.024	Wasteland
Umbrella Thorn Acacia	Branches	40.0	0.26	0.17	0.024	Wasteland
Total		40.0	54.8	36.1	5.1	

District level Residue-wise Data for Sonipat; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	3.9	0.33	0.22	0.030	Wasteland
Eucalyptus	Leaves	3.9	0.31	0.21	0.029	Wasteland
Others	Leaves	3.9	0.28	0.19	0.026	Wasteland
Babul	Twigs	3.9	0.28	0.18	0.026	Wasteland
Babul	Bark	3.9	0.28	0.18	0.026	Wasteland
Babul	Branches	3.9	0.28	0.18	0.026	Wasteland
Eucalyptus	Twigs	3.9	0.27	0.18	0.025	Wasteland
Eucalyptus	Bark	3.9	0.27	0.18	0.025	Wasteland
Eucalyptus	Branches	3.9	0.27	0.18	0.025	Wasteland
Others	Twigs	3.9	0.24	0.16	0.022	Wasteland
Others	Bark	3.9	0.24	0.16	0.022	Wasteland
Others	Branches	3.9	0.24	0.16	0.022	Wasteland
Jand,Kandi	Leaves	3.9	0.22	0.15	0.021	Wasteland
Jand,Kandi	Twigs	3.9	0.19	0.13	0.018	Wasteland
Jand,Kandi	Bark	3.9	0.19	0.13	0.018	Wasteland
Jand,Kandi	Branches	3.9	0.19	0.13	0.018	Wasteland
Shisham	Leaves	3.9	0.18	0.12	0.016	Wasteland
Shisham	Twigs	3.9	0.15	0.10	0.014	Wasteland
Shisham	Bark	3.9	0.15	0.10	0.014	Wasteland
Shisham	Branches	3.9	0.15	0.10	0.014	Wasteland
Salvadora Spp.	Leaves	3.9	0.045	0.029	0.0041	Wasteland
Salvadora Spp.	Twigs	3.9	0.038	0.025	0.0035	Wasteland
Salvadora Spp.	Bark	3.9	0.038	0.025	0.0035	Wasteland
Salvadora Spp.	Branches	3.9	0.038	0.025	0.0035	Wasteland
Mango	Leaves	3.9	0.030	0.020	0.0027	Wasteland
Cottonwood	Leaves	3.9	0.030	0.020	0.0027	Wasteland
Neem	Leaves	3.9	0.030	0.020	0.0027	Wasteland
Umbrella Thorn Acacia	Leaves	3.9	0.030	0.020	0.0027	Wasteland
Mango	Twigs	3.9	0.025	0.017	0.0023	Wasteland
Mango	Bark	3.9	0.025	0.017	0.0023	Wasteland
Mango	Branches	3.9	0.025	0.017	0.0023	Wasteland
Cottonwood	Twigs	3.9	0.025	0.017	0.0023	Wasteland
Cottonwood	Bark	3.9	0.025	0.017	0.0023	Wasteland
Cottonwood	Branches	3.9	0.025	0.017	0.0023	Wasteland
Neem	Bark	3.9	0.025	0.017	0.0023	Wasteland
Neem	Branches	3.9	0.025	0.017	0.0023	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	3.9	0.025	0.017	0.0023	Wasteland
Umbrella Thorn Acacia	Twigs	3.9	0.025	0.017	0.0023	Wasteland
Umbrella Thorn Acacia	Bark	3.9	0.025	0.017	0.0023	Wasteland
Umbrella Thorn Acacia	Branches	3.9	0.025	0.017	0.0023	Wasteland
Total		3.9	5.3	3.5	0.49	

District level Residue-wise Data for Yamunanagar; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.9	0.16	0.11	0.015	Wasteland
Eucalyptus	Leaves	1.9	0.16	0.10	0.014	Wasteland
Others	Leaves	1.9	0.14	0.093	0.013	Wasteland
Babul	Twigs	1.9	0.14	0.092	0.013	Wasteland
Babul	Bark	1.9	0.14	0.092	0.013	Wasteland
Babul	Branches	1.9	0.14	0.092	0.013	Wasteland
Eucalyptus	Twigs	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Bark	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Branches	1.9	0.13	0.088	0.012	Wasteland
Others	Twigs	1.9	0.12	0.080	0.011	Wasteland
Others	Bark	1.9	0.12	0.080	0.011	Wasteland
Others	Branches	1.9	0.12	0.080	0.011	Wasteland
Jand,Kandi	Leaves	1.9	0.11	0.074	0.010	Wasteland
Jand,Kandi	Twigs	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Bark	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Branches	1.9	0.095	0.063	0.0088	Wasteland
Shisham	Leaves	1.9	0.089	0.059	0.0082	Wasteland
Shisham	Twigs	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Bark	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Branches	1.9	0.076	0.050	0.0070	Wasteland
Salvadora Spp.	Leaves	1.9	0.022	0.015	0.0021	Wasteland
Salvadora Spp.	Twigs	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Bark	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Branches	1.9	0.019	0.013	0.0018	Wasteland
Mango	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Cottonwood	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Neem	Leaves	1.9	0.015	0.0098	0.0014	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Mango	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Total		1.9	2.6	1.7	0.24	

District Level Taluk Wise

DistrictLevel Taluk-wise Data for Ambala ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narayangarh	1.7	2.3	1.5	0.22
Ambala	0.52	0.71	0.47	0.066
Total		2.2	3.1	2.0

DistrictLevel Taluk-wise Data for Bhiwani ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Siwani	21.8	29.8	19.7	2.8
Dadri	6.5	8.9	5.9	0.82
Bhiwani	4.7	6.5	4.3	0.60
Bawani Khera	2.0	2.8	1.9	0.26
Loharu	0.0088	0.012	0.0079	0.0011
Total		35.0	48.0	31.7

DistrictLevel Taluk-wise Data for Faridabad ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Palwal	1.3	1.8	1.2	0.16
Hathin	1.1	1.5	1.0	0.14
Ballabgarh	0.87	1.2	0.79	0.11
Total		3.3	4.5	3.0

DistrictLevel Taluk-wise Data for Fatehabad ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Fatehabad	2.9	4.0	2.6	0.37
Tohana	1.2	1.7	1.1	0.15
Ratia	0.34	0.47	0.31	0.043
Total		4.4	6.1	4.0

DistrictLevel Taluk-wise Data for Gurgaon ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Nuh	16.8	23.0	15.2	2.1
Firozpur Jhirka	12.8	17.6	11.6	1.6
Gurgaon	1.6	2.2	1.4	0.20
Pataudi	0.73	1.0	0.66	0.093
Total		31.9	43.8	28.9

DistrictLevel Taluk-wise Data for Hisar ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Hisar	30.8	42.2	27.9	3.9
Hansi	2.6	3.6	2.4	0.33
Total		33.4	45.8	30.2

DistrictLevel Taluk-wise Data for Jhajjar ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Bahadurgarh	4.6	6.3	4.1	0.58
Jhajjar	2.1	2.9	1.9	0.27
Total		6.7	9.2	6.1

DistrictLevel Taluk-wise Data for Jind ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narwana	1.5	2.0	1.3	0.19
Jind	0.90	1.2	0.82	0.11
Safidon	0.074	0.10	0.067	0.0094
Total		2.5	3.4	2.2

DistrictLevel Taluk-wise Data for Kaithal ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kaithal	3.3	4.6	3.0	0.42
Gulha	3.3	4.5	2.9	0.41
Total		6.6	9.0	6.0

DistrictLevel Taluk-wise Data for Karnal ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Karnal	5.8	7.9	5.2	0.73
Asandh	1.9	2.6	1.7	0.24
Total		7.7	10.5	7.0

DistrictLevel Taluk-wise Data for Kurukshetra ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Pehowa	1.9	2.6	1.7	0.24
Thanesar	1.9	2.5	1.7	0.23
Total		3.8	5.2	3.4

DistrictLevel Taluk-wise Data for Mahendragarh ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Narnaul	10.6	14.6	9.6	1.3
Mahendragarh	6.8	9.3	6.1	0.85
Total		17.4	23.8	15.7

DistrictLevel Taluk-wise Data for Panchkula ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Kalka	2.2	3.0	2.0	0.28
Total		2.2	3.0	2.0

DistrictLevel Taluk-wise Data for Panipat ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Panipat	2.0	2.7	1.8	0.25
Total		2.0	2.7	1.8

DistrictLevel Taluk-wise Data for Rewari ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rewari	7.6	10.4	6.9	0.96
Bawal	1.4	2.0	1.3	0.18
Kosli	1.1	1.5	0.97	0.14
Total		10.1	13.8	9.1

DistrictLevel Taluk-wise Data for Rohtak ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Rohtak	4.2	5.7	3.8	0.53
Maham	1.9	2.6	1.7	0.24
Total		6.1	8.3	5.5

DistrictLevel Taluk-wise Data for Sirsa ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sirsa	34.9	47.8	31.6	4.4
Dabwali	5.1	6.9	4.6	0.64
Total		40.0	54.8	36.1

DistrictLevel Taluk-wise Data for Sonipat ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Sonipat	3.4	4.6	3.1	0.43
Gohana	0.41	0.56	0.37	0.051
Ganaur	0.070	0.096	0.063	0.0088
Total		3.9	5.3	3.5

DistrictLevel Taluk-wise Data for Yamunanagar ; Biomass Class : Wasteland				
Taluk	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)
Jagadiri	1.9	2.6	1.7	0.24
Total		1.9	2.6	1.7

Taluk Level Residue Wise

Taluk level Residue-wise Data for Ambala ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.52	0.044	0.029	0.0040	Wasteland
Eucalyptus	Leaves	0.52	0.042	0.028	0.0039	Wasteland
Others	Leaves	0.52	0.038	0.025	0.0035	Wasteland
Babul	Twigs	0.52	0.037	0.025	0.0035	Wasteland
Babul	Bark	0.52	0.037	0.025	0.0035	Wasteland
Babul	Branches	0.52	0.037	0.025	0.0035	Wasteland
Eucalyptus	Twigs	0.52	0.036	0.024	0.0033	Wasteland
Eucalyptus	Bark	0.52	0.036	0.024	0.0033	Wasteland
Eucalyptus	Branches	0.52	0.036	0.024	0.0033	Wasteland
Others	Twigs	0.52	0.032	0.021	0.0030	Wasteland
Others	Bark	0.52	0.032	0.021	0.0030	Wasteland
Others	Branches	0.52	0.032	0.021	0.0030	Wasteland
Jand,Kandi	Leaves	0.52	0.030	0.020	0.0028	Wasteland
Jand,Kandi	Twigs	0.52	0.025	0.017	0.0024	Wasteland
Jand,Kandi	Bark	0.52	0.025	0.017	0.0024	Wasteland
Jand,Kandi	Branches	0.52	0.025	0.017	0.0024	Wasteland
Shisham	Leaves	0.52	0.024	0.016	0.0022	Wasteland
Shisham	Twigs	0.52	0.020	0.013	0.0019	Wasteland
Shisham	Bark	0.52	0.020	0.013	0.0019	Wasteland
Shisham	Branches	0.52	0.020	0.013	0.0019	Wasteland
Salvadora Spp.	Leaves	0.52	0.0060	0.0039	0.00055	Wasteland
Salvadora Spp.	Twigs	0.52	0.0051	0.0034	0.00047	Wasteland
Salvadora Spp.	Bark	0.52	0.0051	0.0034	0.00047	Wasteland
Salvadora Spp.	Branches	0.52	0.0051	0.0034	0.00047	Wasteland
Mango	Leaves	0.52	0.0040	0.0026	0.00037	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Leaves	0.52	0.0040	0.0026	0.00037	Wasteland
Neem	Leaves	0.52	0.0040	0.0026	0.00037	Wasteland
Umbrella Thorn Acacia	Leaves	0.52	0.0040	0.0026	0.00037	Wasteland
Mango	Twigs	0.52	0.0034	0.0022	0.00031	Wasteland
Mango	Bark	0.52	0.0034	0.0022	0.00031	Wasteland
Mango	Branches	0.52	0.0034	0.0022	0.00031	Wasteland
Cottonwood	Twigs	0.52	0.0034	0.0022	0.00031	Wasteland
Cottonwood	Bark	0.52	0.0034	0.0022	0.00031	Wasteland
Cottonwood	Branches	0.52	0.0034	0.0022	0.00031	Wasteland
Neem	Bark	0.52	0.0034	0.0022	0.00031	Wasteland
Neem	Branches	0.52	0.0034	0.0022	0.00031	Wasteland
Neem	Twigs	0.52	0.0034	0.0022	0.00031	Wasteland
Umbrella Thorn Acacia	Twigs	0.52	0.0034	0.0022	0.00031	Wasteland
Umbrella Thorn Acacia	Bark	0.52	0.0034	0.0022	0.00031	Wasteland
Umbrella Thorn Acacia	Branches	0.52	0.0034	0.0022	0.00031	Wasteland
Total		0.52	0.71	0.47	0.066	

Taluk level Residue-wise Data for Narayangarh ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.7	0.14	0.095	0.013	Wasteland
Eucalyptus	Leaves	1.7	0.14	0.091	0.013	Wasteland
Others	Leaves	1.7	0.12	0.082	0.012	Wasteland
Babul	Twigs	1.7	0.12	0.082	0.011	Wasteland
Babul	Bark	1.7	0.12	0.082	0.011	Wasteland
Babul	Branches	1.7	0.12	0.082	0.011	Wasteland
Eucalyptus	Twigs	1.7	0.12	0.078	0.011	Wasteland
Eucalyptus	Bark	1.7	0.12	0.078	0.011	Wasteland
Eucalyptus	Branches	1.7	0.12	0.078	0.011	Wasteland
Others	Twigs	1.7	0.11	0.071	0.0099	Wasteland
Others	Bark	1.7	0.11	0.071	0.0099	Wasteland
Others	Branches	1.7	0.11	0.071	0.0099	Wasteland
Jand,Kandi	Leaves	1.7	0.099	0.065	0.0091	Wasteland
Jand,Kandi	Twigs	1.7	0.084	0.056	0.0078	Wasteland
Jand,Kandi	Bark	1.7	0.084	0.056	0.0078	Wasteland
Jand,Kandi	Branches	1.7	0.084	0.056	0.0078	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Leaves	1.7	0.079	0.052	0.0073	Wasteland
Shisham	Twigs	1.7	0.068	0.045	0.0062	Wasteland
Shisham	Bark	1.7	0.068	0.045	0.0062	Wasteland
Shisham	Branches	1.7	0.068	0.045	0.0062	Wasteland
Salvadora Spp.	Leaves	1.7	0.020	0.013	0.0018	Wasteland
Salvadora Spp.	Twigs	1.7	0.017	0.011	0.0016	Wasteland
Salvadora Spp.	Bark	1.7	0.017	0.011	0.0016	Wasteland
Salvadora Spp.	Branches	1.7	0.017	0.011	0.0016	Wasteland
Mango	Leaves	1.7	0.013	0.0087	0.0012	Wasteland
Cottonwood	Leaves	1.7	0.013	0.0087	0.0012	Wasteland
Neem	Leaves	1.7	0.013	0.0087	0.0012	Wasteland
Umbrella Thorn Acacia	Leaves	1.7	0.013	0.0087	0.0012	Wasteland
Mango	Twigs	1.7	0.011	0.0074	0.0010	Wasteland
Mango	Bark	1.7	0.011	0.0074	0.0010	Wasteland
Mango	Branches	1.7	0.011	0.0074	0.0010	Wasteland
Cottonwood	Twigs	1.7	0.011	0.0074	0.0010	Wasteland
Cottonwood	Bark	1.7	0.011	0.0074	0.0010	Wasteland
Cottonwood	Branches	1.7	0.011	0.0074	0.0010	Wasteland
Neem	Bark	1.7	0.011	0.0074	0.0010	Wasteland
Neem	Branches	1.7	0.011	0.0074	0.0010	Wasteland
Neem	Twigs	1.7	0.011	0.0074	0.0010	Wasteland
Umbrella Thorn Acacia	Twigs	1.7	0.011	0.0074	0.0010	Wasteland
Umbrella Thorn Acacia	Bark	1.7	0.011	0.0074	0.0010	Wasteland
Umbrella Thorn Acacia	Branches	1.7	0.011	0.0074	0.0010	Wasteland
Total		1.7	2.3	1.5	0.22	

Taluk level Residue-wise Data for Bawani Khera ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.0	0.17	0.11	0.016	Wasteland
Eucalyptus	Leaves	2.0	0.17	0.11	0.015	Wasteland
Others	Leaves	2.0	0.15	0.099	0.014	Wasteland
Babul	Twigs	2.0	0.15	0.098	0.014	Wasteland
Babul	Bark	2.0	0.15	0.098	0.014	Wasteland
Babul	Branches	2.0	0.15	0.098	0.014	Wasteland
Eucalyptus	Twigs	2.0	0.14	0.093	0.013	Wasteland
Eucalyptus	Bark	2.0	0.14	0.093	0.013	Wasteland
Eucalyptus	Branches	2.0	0.14	0.093	0.013	Wasteland
Others	Twigs	2.0	0.13	0.084	0.012	Wasteland
Others	Bark	2.0	0.13	0.084	0.012	Wasteland
Others	Branches	2.0	0.13	0.084	0.012	Wasteland
Jand,Kandi	Leaves	2.0	0.12	0.078	0.011	Wasteland
Jand,Kandi	Twigs	2.0	0.10	0.067	0.0093	Wasteland
Jand,Kandi	Bark	2.0	0.10	0.067	0.0093	Wasteland
Jand,Kandi	Branches	2.0	0.10	0.067	0.0093	Wasteland
Shisham	Leaves	2.0	0.094	0.062	0.0087	Wasteland
Shisham	Twigs	2.0	0.081	0.053	0.0075	Wasteland
Shisham	Bark	2.0	0.081	0.053	0.0075	Wasteland
Shisham	Branches	2.0	0.081	0.053	0.0075	Wasteland
Salvadora Spp.	Leaves	2.0	0.024	0.016	0.0022	Wasteland
Salvadora Spp.	Twigs	2.0	0.020	0.013	0.0019	Wasteland
Salvadora Spp.	Bark	2.0	0.020	0.013	0.0019	Wasteland
Salvadora Spp.	Branches	2.0	0.020	0.013	0.0019	Wasteland
Mango	Leaves	2.0	0.016	0.010	0.0015	Wasteland
Cottonwood	Leaves	2.0	0.016	0.010	0.0015	Wasteland
Neem	Leaves	2.0	0.016	0.010	0.0015	Wasteland
Umbrella Thorn Acacia	Leaves	2.0	0.016	0.010	0.0015	Wasteland
Mango	Twigs	2.0	0.013	0.0089	0.0012	Wasteland
Mango	Bark	2.0	0.013	0.0089	0.0012	Wasteland
Mango	Branches	2.0	0.013	0.0089	0.0012	Wasteland
Cottonwood	Twigs	2.0	0.013	0.0089	0.0012	Wasteland
Cottonwood	Bark	2.0	0.013	0.0089	0.0012	Wasteland
Cottonwood	Branches	2.0	0.013	0.0089	0.0012	Wasteland
Neem	Bark	2.0	0.013	0.0089	0.0012	Wasteland
Neem	Branches	2.0	0.013	0.0089	0.0012	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	2.0	0.013	0.0089	0.0012	Wasteland
Umbrella Thorn Acacia	Twigs	2.0	0.013	0.0089	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	2.0	0.013	0.0089	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	2.0	0.013	0.0089	0.0012	Wasteland
Total		2.0	2.8	1.9	0.26	

Taluk level Residue-wise Data for Bhiwani ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	4.7	0.40	0.26	0.037	Wasteland
Eucalyptus	Leaves	4.7	0.38	0.25	0.035	Wasteland
Others	Leaves	4.7	0.34	0.23	0.032	Wasteland
Babul	Twigs	4.7	0.34	0.23	0.032	Wasteland
Babul	Bark	4.7	0.34	0.23	0.032	Wasteland
Babul	Branches	4.7	0.34	0.23	0.032	Wasteland
Eucalyptus	Twigs	4.7	0.33	0.22	0.030	Wasteland
Eucalyptus	Bark	4.7	0.33	0.22	0.030	Wasteland
Eucalyptus	Branches	4.7	0.33	0.22	0.030	Wasteland
Others	Twigs	4.7	0.30	0.20	0.027	Wasteland
Others	Bark	4.7	0.30	0.20	0.027	Wasteland
Others	Branches	4.7	0.30	0.20	0.027	Wasteland
Jand,Kandi	Leaves	4.7	0.27	0.18	0.025	Wasteland
Jand,Kandi	Twigs	4.7	0.23	0.15	0.022	Wasteland
Jand,Kandi	Bark	4.7	0.23	0.15	0.022	Wasteland
Jand,Kandi	Branches	4.7	0.23	0.15	0.022	Wasteland
Shisham	Leaves	4.7	0.22	0.14	0.020	Wasteland
Shisham	Twigs	4.7	0.19	0.12	0.017	Wasteland
Shisham	Bark	4.7	0.19	0.12	0.017	Wasteland
Shisham	Branches	4.7	0.19	0.12	0.017	Wasteland
Salvadora Spp.	Leaves	4.7	0.054	0.036	0.0050	Wasteland
Salvadora Spp.	Twigs	4.7	0.047	0.031	0.0043	Wasteland
Salvadora Spp.	Bark	4.7	0.047	0.031	0.0043	Wasteland
Salvadora Spp.	Branches	4.7	0.047	0.031	0.0043	Wasteland
Mango	Leaves	4.7	0.036	0.024	0.0034	Wasteland
Cottonwood	Leaves	4.7	0.036	0.024	0.0034	Wasteland
Neem	Leaves	4.7	0.036	0.024	0.0034	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	4.7	0.036	0.024	0.0034	Wasteland
Mango	Twigs	4.7	0.031	0.021	0.0029	Wasteland
Mango	Bark	4.7	0.031	0.021	0.0029	Wasteland
Mango	Branches	4.7	0.031	0.021	0.0029	Wasteland
Cottonwood	Twigs	4.7	0.031	0.021	0.0029	Wasteland
Cottonwood	Bark	4.7	0.031	0.021	0.0029	Wasteland
Cottonwood	Branches	4.7	0.031	0.021	0.0029	Wasteland
Neem	Bark	4.7	0.031	0.021	0.0029	Wasteland
Neem	Branches	4.7	0.031	0.021	0.0029	Wasteland
Neem	Twigs	4.7	0.031	0.021	0.0029	Wasteland
Umbrella Thorn Acacia	Twigs	4.7	0.031	0.021	0.0029	Wasteland
Umbrella Thorn Acacia	Bark	4.7	0.031	0.021	0.0029	Wasteland
Umbrella Thorn Acacia	Branches	4.7	0.031	0.021	0.0029	Wasteland
Total		4.7	6.5	4.3	0.60	

Taluk level Residue-wise Data for Dadri ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	6.5	0.55	0.36	0.050	Wasteland
Eucalyptus	Leaves	6.5	0.52	0.34	0.048	Wasteland
Others	Leaves	6.5	0.47	0.31	0.044	Wasteland
Babul	Twigs	6.5	0.47	0.31	0.043	Wasteland
Babul	Bark	6.5	0.47	0.31	0.043	Wasteland
Babul	Branches	6.5	0.47	0.31	0.043	Wasteland
Eucalyptus	Twigs	6.5	0.45	0.30	0.041	Wasteland
Eucalyptus	Bark	6.5	0.45	0.30	0.041	Wasteland
Eucalyptus	Branches	6.5	0.45	0.30	0.041	Wasteland
Others	Twigs	6.5	0.40	0.27	0.037	Wasteland
Others	Bark	6.5	0.40	0.27	0.037	Wasteland
Others	Branches	6.5	0.40	0.27	0.037	Wasteland
Jand,Kandi	Leaves	6.5	0.37	0.25	0.035	Wasteland
Jand,Kandi	Twigs	6.5	0.32	0.21	0.029	Wasteland
Jand,Kandi	Bark	6.5	0.32	0.21	0.029	Wasteland
Jand,Kandi	Branches	6.5	0.32	0.21	0.029	Wasteland
Shisham	Leaves	6.5	0.30	0.20	0.028	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Twigs	6.5	0.26	0.17	0.024	Wasteland
Shisham	Bark	6.5	0.26	0.17	0.024	Wasteland
Shisham	Branches	6.5	0.26	0.17	0.024	Wasteland
Salvadora Spp.	Leaves	6.5	0.075	0.049	0.0069	Wasteland
Salvadora Spp.	Twigs	6.5	0.064	0.042	0.0059	Wasteland
Salvadora Spp.	Bark	6.5	0.064	0.042	0.0059	Wasteland
Salvadora Spp.	Branches	6.5	0.064	0.042	0.0059	Wasteland
Mango	Leaves	6.5	0.050	0.033	0.0046	Wasteland
Cottonwood	Leaves	6.5	0.050	0.033	0.0046	Wasteland
Neem	Leaves	6.5	0.050	0.033	0.0046	Wasteland
Umbrella Thorn Acacia	Leaves	6.5	0.050	0.033	0.0046	Wasteland
Umbrella Thorn Acacia	Twigs	6.5	0.043	0.028	0.0039	Wasteland
Umbrella Thorn Acacia	Bark	6.5	0.043	0.028	0.0039	Wasteland
Umbrella Thorn Acacia	Branches	6.5	0.043	0.028	0.0039	Wasteland
Neem	Twigs	6.5	0.043	0.028	0.0039	Wasteland
Mango	Twigs	6.5	0.043	0.028	0.0039	Wasteland
Neem	Bark	6.5	0.043	0.028	0.0039	Wasteland
Neem	Branches	6.5	0.043	0.028	0.0039	Wasteland
Cottonwood	Twigs	6.5	0.043	0.028	0.0039	Wasteland
Cottonwood	Bark	6.5	0.043	0.028	0.0039	Wasteland
Cottonwood	Branches	6.5	0.043	0.028	0.0039	Wasteland
Mango	Bark	6.5	0.043	0.028	0.0039	Wasteland
Mango	Branches	6.5	0.043	0.028	0.0039	Wasteland
Total		6.5	8.9	5.9	0.82	

Taluk level Residue-wise Data for Loharu ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.0088	0.00074	0.00049	6.83E-05	Wasteland
Eucalyptus	Leaves	0.0088	0.00071	0.00047	6.52E-05	Wasteland
Others	Leaves	0.0088	0.00064	0.00042	5.90E-05	Wasteland
Babul	Twigs	0.0088	0.00063	0.00042	5.85E-05	Wasteland
Babul	Bark	0.0088	0.00063	0.00042	5.85E-05	Wasteland
Babul	Branches	0.0088	0.00063	0.00042	5.85E-05	Wasteland
Eucalyptus	Twigs	0.0088	0.00060	0.00040	5.59E-05	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Eucalyptus	Bark	0.0088	0.00060	0.00040	5.59E-05	Wasteland
Eucalyptus	Branches	0.0088	0.00060	0.00040	5.59E-05	Wasteland
Others	Twigs	0.0088	0.00055	0.00036	5.06E-05	Wasteland
Others	Bark	0.0088	0.00055	0.00036	5.06E-05	Wasteland
Others	Branches	0.0088	0.00055	0.00036	5.06E-05	Wasteland
Jand,Kandi	Leaves	0.0088	0.00051	0.00033	4.68E-05	Wasteland
Jand,Kandi	Twigs	0.0088	0.00043	0.00028	3.98E-05	Wasteland
Jand,Kandi	Bark	0.0088	0.00043	0.00028	3.98E-05	Wasteland
Jand,Kandi	Branches	0.0088	0.00043	0.00028	3.98E-05	Wasteland
Shisham	Leaves	0.0088	0.00040	0.00027	3.73E-05	Wasteland
Shisham	Twigs	0.0088	0.00035	0.00023	3.19E-05	Wasteland
Shisham	Bark	0.0088	0.00035	0.00023	3.19E-05	Wasteland
Shisham	Branches	0.0088	0.00035	0.00023	3.19E-05	Wasteland
Salvadora Spp.	Leaves	0.0088	0.00010	6.65E-05	9.31E-06	Wasteland
Salvadora Spp.	Twigs	0.0088	8.64E-05	5.70E-05	7.98E-06	Wasteland
Salvadora Spp.	Bark	0.0088	8.64E-05	5.70E-05	7.98E-06	Wasteland
Salvadora Spp.	Branches	0.0088	8.64E-05	5.70E-05	7.98E-06	Wasteland
Mango	Leaves	0.0088	6.72E-05	4.44E-05	6.21E-06	Wasteland
Cottonwood	Leaves	0.0088	6.72E-05	4.44E-05	6.21E-06	Wasteland
Neem	Leaves	0.0088	6.72E-05	4.44E-05	6.21E-06	Wasteland
Umbrella Thorn Acacia	Leaves	0.0088	6.72E-05	4.44E-05	6.21E-06	Wasteland
Mango	Twigs	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Mango	Bark	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Mango	Branches	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Cottonwood	Twigs	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Cottonwood	Bark	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Cottonwood	Branches	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Neem	Bark	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Neem	Branches	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Neem	Twigs	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Umbrella Thorn Acacia	Twigs	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Umbrella Thorn Acacia	Bark	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Umbrella Thorn Acacia	Branches	0.0088	5.76E-05	3.80E-05	5.32E-06	Wasteland
Total		0.0088	0.012	0.0079	0.0011	

Taluk level Residue-wise Data for Siwani ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	21.8	1.8	1.2	0.17	Wasteland
Eucalyptus	Leaves	21.8	1.8	1.2	0.16	Wasteland
Others	Leaves	21.8	1.6	1.0	0.15	Wasteland
Babul	Twigs	21.8	1.6	1.0	0.15	Wasteland
Babul	Bark	21.8	1.6	1.0	0.15	Wasteland
Babul	Branches	21.8	1.6	1.0	0.15	Wasteland
Eucalyptus	Twigs	21.8	1.5	0.99	0.14	Wasteland
Eucalyptus	Bark	21.8	1.5	0.99	0.14	Wasteland
Eucalyptus	Branches	21.8	1.5	0.99	0.14	Wasteland
Others	Twigs	21.8	1.4	0.90	0.13	Wasteland
Others	Bark	21.8	1.4	0.90	0.13	Wasteland
Others	Branches	21.8	1.4	0.90	0.13	Wasteland
Jand,Kandi	Leaves	21.8	1.3	0.83	0.12	Wasteland
Jand,Kandi	Twigs	21.8	1.1	0.71	0.099	Wasteland
Jand,Kandi	Bark	21.8	1.1	0.71	0.099	Wasteland
Jand,Kandi	Branches	21.8	1.1	0.71	0.099	Wasteland
Shisham	Leaves	21.8	1.0	0.66	0.093	Wasteland
Shisham	Twigs	21.8	0.86	0.57	0.079	Wasteland
Shisham	Bark	21.8	0.86	0.57	0.079	Wasteland
Shisham	Branches	21.8	0.86	0.57	0.079	Wasteland
Salvadora Spp.	Leaves	21.8	0.25	0.17	0.023	Wasteland
Salvadora Spp.	Twigs	21.8	0.21	0.14	0.020	Wasteland
Salvadora Spp.	Bark	21.8	0.21	0.14	0.020	Wasteland
Salvadora Spp.	Branches	21.8	0.21	0.14	0.020	Wasteland
Mango	Leaves	21.8	0.17	0.11	0.015	Wasteland
Cottonwood	Leaves	21.8	0.17	0.11	0.015	Wasteland
Neem	Leaves	21.8	0.17	0.11	0.015	Wasteland
Umbrella Thorn Acacia	Leaves	21.8	0.17	0.11	0.015	Wasteland
Mango	Twigs	21.8	0.14	0.094	0.013	Wasteland
Mango	Bark	21.8	0.14	0.094	0.013	Wasteland
Mango	Branches	21.8	0.14	0.094	0.013	Wasteland
Cottonwood	Twigs	21.8	0.14	0.094	0.013	Wasteland
Cottonwood	Bark	21.8	0.14	0.094	0.013	Wasteland
Cottonwood	Branches	21.8	0.14	0.094	0.013	Wasteland
Neem	Bark	21.8	0.14	0.094	0.013	Wasteland
Neem	Branches	21.8	0.14	0.094	0.013	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	21.8	0.14	0.094	0.013	Wasteland
Umbrella Thorn Acacia	Twigs	21.8	0.14	0.094	0.013	Wasteland
Umbrella Thorn Acacia	Bark	21.8	0.14	0.094	0.013	Wasteland
Umbrella Thorn Acacia	Branches	21.8	0.14	0.094	0.013	Wasteland
Total		21.8	29.8	19.7	2.8	

Taluk level Residue-wise Data for Ballabgarh ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.87	0.073	0.048	0.0068	Wasteland
Eucalyptus	Leaves	0.87	0.070	0.046	0.0065	Wasteland
Others	Leaves	0.87	0.063	0.042	0.0058	Wasteland
Babul	Twigs	0.87	0.063	0.041	0.0058	Wasteland
Babul	Bark	0.87	0.063	0.041	0.0058	Wasteland
Babul	Branches	0.87	0.063	0.041	0.0058	Wasteland
Eucalyptus	Twigs	0.87	0.060	0.040	0.0055	Wasteland
Eucalyptus	Bark	0.87	0.060	0.040	0.0055	Wasteland
Eucalyptus	Branches	0.87	0.060	0.040	0.0055	Wasteland
Others	Twigs	0.87	0.054	0.036	0.0050	Wasteland
Others	Bark	0.87	0.054	0.036	0.0050	Wasteland
Others	Branches	0.87	0.054	0.036	0.0050	Wasteland
Jand,Kandi	Leaves	0.87	0.050	0.033	0.0046	Wasteland
Jand,Kandi	Twigs	0.87	0.043	0.028	0.0040	Wasteland
Jand,Kandi	Bark	0.87	0.043	0.028	0.0040	Wasteland
Jand,Kandi	Branches	0.87	0.043	0.028	0.0040	Wasteland
Shisham	Leaves	0.87	0.040	0.026	0.0037	Wasteland
Shisham	Twigs	0.87	0.034	0.023	0.0032	Wasteland
Shisham	Bark	0.87	0.034	0.023	0.0032	Wasteland
Shisham	Branches	0.87	0.034	0.023	0.0032	Wasteland
Salvadora Spp.	Leaves	0.87	0.0100	0.0066	0.00092	Wasteland
Salvadora Spp.	Twigs	0.87	0.0086	0.0057	0.00079	Wasteland
Salvadora Spp.	Bark	0.87	0.0086	0.0057	0.00079	Wasteland
Salvadora Spp.	Branches	0.87	0.0086	0.0057	0.00079	Wasteland
Mango	Leaves	0.87	0.0067	0.0044	0.00062	Wasteland
Cottonwood	Leaves	0.87	0.0067	0.0044	0.00062	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Leaves	0.87	0.0067	0.0044	0.00062	Wasteland
Umbrella Thorn Acacia	Leaves	0.87	0.0067	0.0044	0.00062	Wasteland
Mango	Twigs	0.87	0.0057	0.0038	0.00053	Wasteland
Mango	Bark	0.87	0.0057	0.0038	0.00053	Wasteland
Mango	Branches	0.87	0.0057	0.0038	0.00053	Wasteland
Cottonwood	Twigs	0.87	0.0057	0.0038	0.00053	Wasteland
Cottonwood	Bark	0.87	0.0057	0.0038	0.00053	Wasteland
Cottonwood	Branches	0.87	0.0057	0.0038	0.00053	Wasteland
Neem	Bark	0.87	0.0057	0.0038	0.00053	Wasteland
Neem	Branches	0.87	0.0057	0.0038	0.00053	Wasteland
Neem	Twigs	0.87	0.0057	0.0038	0.00053	Wasteland
Umbrella Thorn Acacia	Twigs	0.87	0.0057	0.0038	0.00053	Wasteland
Umbrella Thorn Acacia	Bark	0.87	0.0057	0.0038	0.00053	Wasteland
Umbrella Thorn Acacia	Branches	0.87	0.0057	0.0038	0.00053	Wasteland
Total		0.87	1.2	0.79	0.11	

Taluk level Residue-wise Data for Hathin ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.1	0.095	0.063	0.0088	Wasteland
Eucalyptus	Leaves	1.1	0.091	0.060	0.0084	Wasteland
Others	Leaves	1.1	0.082	0.054	0.0076	Wasteland
Babul	Twigs	1.1	0.081	0.054	0.0075	Wasteland
Babul	Bark	1.1	0.081	0.054	0.0075	Wasteland
Babul	Branches	1.1	0.081	0.054	0.0075	Wasteland
Eucalyptus	Twigs	1.1	0.078	0.051	0.0072	Wasteland
Eucalyptus	Bark	1.1	0.078	0.051	0.0072	Wasteland
Eucalyptus	Branches	1.1	0.078	0.051	0.0072	Wasteland
Others	Twigs	1.1	0.070	0.046	0.0065	Wasteland
Others	Bark	1.1	0.070	0.046	0.0065	Wasteland
Others	Branches	1.1	0.070	0.046	0.0065	Wasteland
Jand,Kandi	Leaves	1.1	0.065	0.043	0.0060	Wasteland
Jand,Kandi	Twigs	1.1	0.055	0.037	0.0051	Wasteland
Jand,Kandi	Bark	1.1	0.055	0.037	0.0051	Wasteland
Jand,Kandi	Branches	1.1	0.055	0.037	0.0051	Wasteland
Shisham	Leaves	1.1	0.052	0.034	0.0048	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Twigs	1.1	0.044	0.029	0.0041	Wasteland
Shisham	Bark	1.1	0.044	0.029	0.0041	Wasteland
Shisham	Branches	1.1	0.044	0.029	0.0041	Wasteland
Salvadora Spp.	Leaves	1.1	0.013	0.0085	0.0012	Wasteland
Salvadora Spp.	Twigs	1.1	0.011	0.0073	0.0010	Wasteland
Salvadora Spp.	Bark	1.1	0.011	0.0073	0.0010	Wasteland
Salvadora Spp.	Branches	1.1	0.011	0.0073	0.0010	Wasteland
Mango	Leaves	1.1	0.0086	0.0057	0.00080	Wasteland
Cottonwood	Leaves	1.1	0.0086	0.0057	0.00080	Wasteland
Neem	Leaves	1.1	0.0086	0.0057	0.00080	Wasteland
Umbrella Thorn Acacia	Leaves	1.1	0.0086	0.0057	0.00080	Wasteland
Mango	Twigs	1.1	0.0074	0.0049	0.00068	Wasteland
Mango	Bark	1.1	0.0074	0.0049	0.00068	Wasteland
Mango	Branches	1.1	0.0074	0.0049	0.00068	Wasteland
Cottonwood	Twigs	1.1	0.0074	0.0049	0.00068	Wasteland
Cottonwood	Bark	1.1	0.0074	0.0049	0.00068	Wasteland
Cottonwood	Branches	1.1	0.0074	0.0049	0.00068	Wasteland
Neem	Bark	1.1	0.0074	0.0049	0.00068	Wasteland
Neem	Branches	1.1	0.0074	0.0049	0.00068	Wasteland
Neem	Twigs	1.1	0.0074	0.0049	0.00068	Wasteland
Umbrella Thorn Acacia	Twigs	1.1	0.0074	0.0049	0.00068	Wasteland
Umbrella Thorn Acacia	Bark	1.1	0.0074	0.0049	0.00068	Wasteland
Umbrella Thorn Acacia	Branches	1.1	0.0074	0.0049	0.00068	Wasteland
Total		1.1	1.5	1.0	0.14	

Taluk level Residue-wise Data for Palwal ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.3	0.11	0.072	0.010	Wasteland
Eucalyptus	Leaves	1.3	0.10	0.069	0.0096	Wasteland
Others	Leaves	1.3	0.094	0.062	0.0087	Wasteland
Babul	Twigs	1.3	0.093	0.062	0.0086	Wasteland
Babul	Bark	1.3	0.093	0.062	0.0086	Wasteland
Babul	Branches	1.3	0.093	0.062	0.0086	Wasteland
Eucalyptus	Twigs	1.3	0.089	0.059	0.0082	Wasteland
Eucalyptus	Bark	1.3	0.089	0.059	0.0082	Wasteland
Eucalyptus	Branches	1.3	0.089	0.059	0.0082	Wasteland
Others	Twigs	1.3	0.081	0.053	0.0074	Wasteland
Others	Bark	1.3	0.081	0.053	0.0074	Wasteland
Others	Branches	1.3	0.081	0.053	0.0074	Wasteland
Jand,Kandi	Leaves	1.3	0.075	0.049	0.0069	Wasteland
Jand,Kandi	Twigs	1.3	0.063	0.042	0.0059	Wasteland
Jand,Kandi	Bark	1.3	0.063	0.042	0.0059	Wasteland
Jand,Kandi	Branches	1.3	0.063	0.042	0.0059	Wasteland
Shisham	Leaves	1.3	0.059	0.039	0.0055	Wasteland
Shisham	Twigs	1.3	0.051	0.034	0.0047	Wasteland
Shisham	Bark	1.3	0.051	0.034	0.0047	Wasteland
Shisham	Branches	1.3	0.051	0.034	0.0047	Wasteland
Salvadora Spp.	Leaves	1.3	0.015	0.0098	0.0014	Wasteland
Salvadora Spp.	Twigs	1.3	0.013	0.0084	0.0012	Wasteland
Salvadora Spp.	Bark	1.3	0.013	0.0084	0.0012	Wasteland
Salvadora Spp.	Branches	1.3	0.013	0.0084	0.0012	Wasteland
Mango	Leaves	1.3	0.0099	0.0065	0.00091	Wasteland
Cottonwood	Leaves	1.3	0.0099	0.0065	0.00091	Wasteland
Neem	Leaves	1.3	0.0099	0.0065	0.00091	Wasteland
Umbrella Thorn Acacia	Leaves	1.3	0.0099	0.0065	0.00091	Wasteland
Mango	Twigs	1.3	0.0085	0.0056	0.00078	Wasteland
Mango	Bark	1.3	0.0085	0.0056	0.00078	Wasteland
Mango	Branches	1.3	0.0085	0.0056	0.00078	Wasteland
Cottonwood	Twigs	1.3	0.0085	0.0056	0.00078	Wasteland
Cottonwood	Bark	1.3	0.0085	0.0056	0.00078	Wasteland
Cottonwood	Branches	1.3	0.0085	0.0056	0.00078	Wasteland
Neem	Bark	1.3	0.0085	0.0056	0.00078	Wasteland
Neem	Branches	1.3	0.0085	0.0056	0.00078	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	1.3	0.0085	0.0056	0.00078	Wasteland
Umbrella Thorn Acacia	Twigs	1.3	0.0085	0.0056	0.00078	Wasteland
Umbrella Thorn Acacia	Bark	1.3	0.0085	0.0056	0.00078	Wasteland
Umbrella Thorn Acacia	Branches	1.3	0.0085	0.0056	0.00078	Wasteland
Total		1.3	1.8	1.2	0.16	

Taluk level Residue-wise Data for Fatehabad ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.9	0.24	0.16	0.023	Wasteland
Eucalyptus	Leaves	2.9	0.23	0.15	0.022	Wasteland
Others	Leaves	2.9	0.21	0.14	0.020	Wasteland
Babul	Twigs	2.9	0.21	0.14	0.019	Wasteland
Babul	Bark	2.9	0.21	0.14	0.019	Wasteland
Babul	Branches	2.9	0.21	0.14	0.019	Wasteland
Eucalyptus	Twigs	2.9	0.20	0.13	0.018	Wasteland
Eucalyptus	Bark	2.9	0.20	0.13	0.018	Wasteland
Eucalyptus	Branches	2.9	0.20	0.13	0.018	Wasteland
Others	Twigs	2.9	0.18	0.12	0.017	Wasteland
Others	Bark	2.9	0.18	0.12	0.017	Wasteland
Others	Branches	2.9	0.18	0.12	0.017	Wasteland
Jand,Kandi	Leaves	2.9	0.17	0.11	0.015	Wasteland
Jand,Kandi	Twigs	2.9	0.14	0.094	0.013	Wasteland
Jand,Kandi	Bark	2.9	0.14	0.094	0.013	Wasteland
Jand,Kandi	Branches	2.9	0.14	0.094	0.013	Wasteland
Shisham	Leaves	2.9	0.13	0.088	0.012	Wasteland
Shisham	Twigs	2.9	0.11	0.075	0.011	Wasteland
Shisham	Bark	2.9	0.11	0.075	0.011	Wasteland
Shisham	Branches	2.9	0.11	0.075	0.011	Wasteland
Salvadora Spp.	Leaves	2.9	0.033	0.022	0.0031	Wasteland
Salvadora Spp.	Twigs	2.9	0.029	0.019	0.0026	Wasteland
Salvadora Spp.	Bark	2.9	0.029	0.019	0.0026	Wasteland
Salvadora Spp.	Branches	2.9	0.029	0.019	0.0026	Wasteland
Mango	Leaves	2.9	0.022	0.015	0.0021	Wasteland
Cottonwood	Leaves	2.9	0.022	0.015	0.0021	Wasteland
Neem	Leaves	2.9	0.022	0.015	0.0021	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	2.9	0.022	0.015	0.0021	Wasteland
Mango	Twigs	2.9	0.019	0.013	0.0018	Wasteland
Mango	Bark	2.9	0.019	0.013	0.0018	Wasteland
Mango	Branches	2.9	0.019	0.013	0.0018	Wasteland
Cottonwood	Twigs	2.9	0.019	0.013	0.0018	Wasteland
Cottonwood	Bark	2.9	0.019	0.013	0.0018	Wasteland
Cottonwood	Branches	2.9	0.019	0.013	0.0018	Wasteland
Neem	Bark	2.9	0.019	0.013	0.0018	Wasteland
Neem	Branches	2.9	0.019	0.013	0.0018	Wasteland
Neem	Twigs	2.9	0.019	0.013	0.0018	Wasteland
Umbrella Thorn Acacia	Twigs	2.9	0.019	0.013	0.0018	Wasteland
Umbrella Thorn Acacia	Bark	2.9	0.019	0.013	0.0018	Wasteland
Umbrella Thorn Acacia	Branches	2.9	0.019	0.013	0.0018	Wasteland
Total		2.9	4.0	2.6	0.37	

Taluk level Residue-wise Data for Ratia ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.34	0.029	0.019	0.0027	Wasteland
Eucalyptus	Leaves	0.34	0.028	0.018	0.0025	Wasteland
Others	Leaves	0.34	0.025	0.016	0.0023	Wasteland
Babul	Twigs	0.34	0.025	0.016	0.0023	Wasteland
Babul	Bark	0.34	0.025	0.016	0.0023	Wasteland
Babul	Branches	0.34	0.025	0.016	0.0023	Wasteland
Eucalyptus	Twigs	0.34	0.024	0.016	0.0022	Wasteland
Eucalyptus	Bark	0.34	0.024	0.016	0.0022	Wasteland
Eucalyptus	Branches	0.34	0.024	0.016	0.0022	Wasteland
Others	Twigs	0.34	0.021	0.014	0.0020	Wasteland
Others	Bark	0.34	0.021	0.014	0.0020	Wasteland
Others	Branches	0.34	0.021	0.014	0.0020	Wasteland
Jand,Kandi	Leaves	0.34	0.020	0.013	0.0018	Wasteland
Jand,Kandi	Twigs	0.34	0.017	0.011	0.0016	Wasteland
Jand,Kandi	Bark	0.34	0.017	0.011	0.0016	Wasteland
Jand,Kandi	Branches	0.34	0.017	0.011	0.0016	Wasteland
Shisham	Leaves	0.34	0.016	0.010	0.0015	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Twigs	0.34	0.014	0.0089	0.0012	Wasteland
Shisham	Bark	0.34	0.014	0.0089	0.0012	Wasteland
Shisham	Branches	0.34	0.014	0.0089	0.0012	Wasteland
Salvadora Spp.	Leaves	0.34	0.0039	0.0026	0.00036	Wasteland
Salvadora Spp.	Twigs	0.34	0.0034	0.0022	0.00031	Wasteland
Salvadora Spp.	Bark	0.34	0.0034	0.0022	0.00031	Wasteland
Salvadora Spp.	Branches	0.34	0.0034	0.0022	0.00031	Wasteland
Mango	Leaves	0.34	0.0026	0.0017	0.00024	Wasteland
Cottonwood	Leaves	0.34	0.0026	0.0017	0.00024	Wasteland
Neem	Leaves	0.34	0.0026	0.0017	0.00024	Wasteland
Umbrella Thorn Acacia	Leaves	0.34	0.0026	0.0017	0.00024	Wasteland
Mango	Twigs	0.34	0.0023	0.0015	0.00021	Wasteland
Mango	Bark	0.34	0.0023	0.0015	0.00021	Wasteland
Mango	Branches	0.34	0.0023	0.0015	0.00021	Wasteland
Cottonwood	Twigs	0.34	0.0023	0.0015	0.00021	Wasteland
Cottonwood	Bark	0.34	0.0023	0.0015	0.00021	Wasteland
Cottonwood	Branches	0.34	0.0023	0.0015	0.00021	Wasteland
Neem	Bark	0.34	0.0023	0.0015	0.00021	Wasteland
Neem	Branches	0.34	0.0023	0.0015	0.00021	Wasteland
Neem	Twigs	0.34	0.0023	0.0015	0.00021	Wasteland
Umbrella Thorn Acacia	Twigs	0.34	0.0023	0.0015	0.00021	Wasteland
Umbrella Thorn Acacia	Bark	0.34	0.0023	0.0015	0.00021	Wasteland
Umbrella Thorn Acacia	Branches	0.34	0.0023	0.0015	0.00021	Wasteland
Total		0.34	0.47	0.31	0.043	

Taluk level Residue-wise Data for Tohana ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.2	0.10	0.067	0.0094	Wasteland
Eucalyptus	Leaves	1.2	0.097	0.064	0.0090	Wasteland
Others	Leaves	1.2	0.088	0.058	0.0081	Wasteland
Babul	Twigs	1.2	0.087	0.058	0.0081	Wasteland
Babul	Bark	1.2	0.087	0.058	0.0081	Wasteland
Babul	Branches	1.2	0.087	0.058	0.0081	Wasteland
Eucalyptus	Twigs	1.2	0.083	0.055	0.0077	Wasteland
Eucalyptus	Bark	1.2	0.083	0.055	0.0077	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Eucalyptus	Branches	1.2	0.083	0.055	0.0077	Wasteland
Others	Twigs	1.2	0.075	0.050	0.0070	Wasteland
Others	Bark	1.2	0.075	0.050	0.0070	Wasteland
Others	Branches	1.2	0.075	0.050	0.0070	Wasteland
Jand,Kandi	Leaves	1.2	0.070	0.046	0.0065	Wasteland
Jand,Kandi	Twigs	1.2	0.059	0.039	0.0055	Wasteland
Jand,Kandi	Bark	1.2	0.059	0.039	0.0055	Wasteland
Jand,Kandi	Branches	1.2	0.059	0.039	0.0055	Wasteland
Shisham	Leaves	1.2	0.056	0.037	0.0051	Wasteland
Shisham	Twigs	1.2	0.048	0.031	0.0044	Wasteland
Shisham	Bark	1.2	0.048	0.031	0.0044	Wasteland
Shisham	Branches	1.2	0.048	0.031	0.0044	Wasteland
Salvadora Spp.	Leaves	1.2	0.014	0.0092	0.0013	Wasteland
Salvadora Spp.	Twigs	1.2	0.012	0.0079	0.0011	Wasteland
Salvadora Spp.	Bark	1.2	0.012	0.0079	0.0011	Wasteland
Salvadora Spp.	Branches	1.2	0.012	0.0079	0.0011	Wasteland
Mango	Leaves	1.2	0.0093	0.0061	0.00086	Wasteland
Cottonwood	Leaves	1.2	0.0093	0.0061	0.00086	Wasteland
Neem	Leaves	1.2	0.0093	0.0061	0.00086	Wasteland
Umbrella Thorn Acacia	Leaves	1.2	0.0093	0.0061	0.00086	Wasteland
Mango	Twigs	1.2	0.0079	0.0052	0.00073	Wasteland
Mango	Bark	1.2	0.0079	0.0052	0.00073	Wasteland
Mango	Branches	1.2	0.0079	0.0052	0.00073	Wasteland
Cottonwood	Twigs	1.2	0.0079	0.0052	0.00073	Wasteland
Cottonwood	Bark	1.2	0.0079	0.0052	0.00073	Wasteland
Cottonwood	Branches	1.2	0.0079	0.0052	0.00073	Wasteland
Neem	Bark	1.2	0.0079	0.0052	0.00073	Wasteland
Neem	Branches	1.2	0.0079	0.0052	0.00073	Wasteland
Neem	Twigs	1.2	0.0079	0.0052	0.00073	Wasteland
Umbrella Thorn Acacia	Twigs	1.2	0.0079	0.0052	0.00073	Wasteland
Umbrella Thorn Acacia	Bark	1.2	0.0079	0.0052	0.00073	Wasteland
Umbrella Thorn Acacia	Branches	1.2	0.0079	0.0052	0.00073	Wasteland
Total		1.2	1.7	1.1	0.15	

Taluk level Residue-wise Data for Firozpur Jhirka ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	12.8	1.1	0.71	0.10	Wasteland
Eucalyptus	Leaves	12.8	1.0	0.68	0.096	Wasteland
Others	Leaves	12.8	0.94	0.62	0.086	Wasteland
Babul	Twigs	12.8	0.93	0.61	0.086	Wasteland
Babul	Bark	12.8	0.93	0.61	0.086	Wasteland
Babul	Branches	12.8	0.93	0.61	0.086	Wasteland
Eucalyptus	Twigs	12.8	0.89	0.58	0.082	Wasteland
Eucalyptus	Bark	12.8	0.89	0.58	0.082	Wasteland
Eucalyptus	Branches	12.8	0.89	0.58	0.082	Wasteland
Others	Twigs	12.8	0.80	0.53	0.074	Wasteland
Others	Bark	12.8	0.80	0.53	0.074	Wasteland
Others	Branches	12.8	0.80	0.53	0.074	Wasteland
Jand,Kandi	Leaves	12.8	0.74	0.49	0.069	Wasteland
Jand,Kandi	Twigs	12.8	0.63	0.42	0.058	Wasteland
Jand,Kandi	Bark	12.8	0.63	0.42	0.058	Wasteland
Jand,Kandi	Branches	12.8	0.63	0.42	0.058	Wasteland
Shisham	Leaves	12.8	0.59	0.39	0.055	Wasteland
Shisham	Twigs	12.8	0.51	0.33	0.047	Wasteland
Shisham	Bark	12.8	0.51	0.33	0.047	Wasteland
Shisham	Branches	12.8	0.51	0.33	0.047	Wasteland
Salvadora Spp.	Leaves	12.8	0.15	0.097	0.014	Wasteland
Salvadora Spp.	Twigs	12.8	0.13	0.084	0.012	Wasteland
Salvadora Spp.	Bark	12.8	0.13	0.084	0.012	Wasteland
Salvadora Spp.	Branches	12.8	0.13	0.084	0.012	Wasteland
Mango	Leaves	12.8	0.098	0.065	0.0091	Wasteland
Cottonwood	Leaves	12.8	0.098	0.065	0.0091	Wasteland
Neem	Leaves	12.8	0.098	0.065	0.0091	Wasteland
Umbrella Thorn Acacia	Leaves	12.8	0.098	0.065	0.0091	Wasteland
Mango	Twigs	12.8	0.084	0.056	0.0078	Wasteland
Mango	Bark	12.8	0.084	0.056	0.0078	Wasteland
Mango	Branches	12.8	0.084	0.056	0.0078	Wasteland
Cottonwood	Twigs	12.8	0.084	0.056	0.0078	Wasteland
Cottonwood	Bark	12.8	0.084	0.056	0.0078	Wasteland
Cottonwood	Branches	12.8	0.084	0.056	0.0078	Wasteland
Neem	Bark	12.8	0.084	0.056	0.0078	Wasteland
Neem	Branches	12.8	0.084	0.056	0.0078	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	12.8	0.084	0.056	0.0078	Wasteland
Umbrella Thorn Acacia	Twigs	12.8	0.084	0.056	0.0078	Wasteland
Umbrella Thorn Acacia	Bark	12.8	0.084	0.056	0.0078	Wasteland
Umbrella Thorn Acacia	Branches	12.8	0.084	0.056	0.0078	Wasteland
Total		12.8	17.6	11.6	1.6	

Taluk level Residue-wise Data for Gurgaon ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.6	0.13	0.088	0.012	Wasteland
Eucalyptus	Leaves	1.6	0.13	0.084	0.012	Wasteland
Others	Leaves	1.6	0.12	0.076	0.011	Wasteland
Babul	Twigs	1.6	0.11	0.076	0.011	Wasteland
Babul	Bark	1.6	0.11	0.076	0.011	Wasteland
Babul	Branches	1.6	0.11	0.076	0.011	Wasteland
Eucalyptus	Twigs	1.6	0.11	0.072	0.010	Wasteland
Eucalyptus	Bark	1.6	0.11	0.072	0.010	Wasteland
Eucalyptus	Branches	1.6	0.11	0.072	0.010	Wasteland
Others	Twigs	1.6	0.099	0.065	0.0091	Wasteland
Others	Bark	1.6	0.099	0.065	0.0091	Wasteland
Others	Branches	1.6	0.099	0.065	0.0091	Wasteland
Jand,Kandi	Leaves	1.6	0.092	0.060	0.0085	Wasteland
Jand,Kandi	Twigs	1.6	0.078	0.051	0.0072	Wasteland
Jand,Kandi	Bark	1.6	0.078	0.051	0.0072	Wasteland
Jand,Kandi	Branches	1.6	0.078	0.051	0.0072	Wasteland
Shisham	Leaves	1.6	0.073	0.048	0.0067	Wasteland
Shisham	Twigs	1.6	0.062	0.041	0.0058	Wasteland
Shisham	Bark	1.6	0.062	0.041	0.0058	Wasteland
Shisham	Branches	1.6	0.062	0.041	0.0058	Wasteland
Salvadora Spp.	Leaves	1.6	0.018	0.012	0.0017	Wasteland
Salvadora Spp.	Twigs	1.6	0.016	0.010	0.0014	Wasteland
Salvadora Spp.	Bark	1.6	0.016	0.010	0.0014	Wasteland
Salvadora Spp.	Branches	1.6	0.016	0.010	0.0014	Wasteland
Mango	Leaves	1.6	0.012	0.0080	0.0011	Wasteland
Cottonwood	Leaves	1.6	0.012	0.0080	0.0011	Wasteland
Neem	Leaves	1.6	0.012	0.0080	0.0011	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	1.6	0.012	0.0080	0.0011	Wasteland
Mango	Twigs	1.6	0.010	0.0069	0.00096	Wasteland
Mango	Bark	1.6	0.010	0.0069	0.00096	Wasteland
Mango	Branches	1.6	0.010	0.0069	0.00096	Wasteland
Cottonwood	Twigs	1.6	0.010	0.0069	0.00096	Wasteland
Cottonwood	Bark	1.6	0.010	0.0069	0.00096	Wasteland
Cottonwood	Branches	1.6	0.010	0.0069	0.00096	Wasteland
Neem	Bark	1.6	0.010	0.0069	0.00096	Wasteland
Neem	Branches	1.6	0.010	0.0069	0.00096	Wasteland
Neem	Twigs	1.6	0.010	0.0069	0.00096	Wasteland
Umbrella Thorn Acacia	Twigs	1.6	0.010	0.0069	0.00096	Wasteland
Umbrella Thorn Acacia	Bark	1.6	0.010	0.0069	0.00096	Wasteland
Umbrella Thorn Acacia	Branches	1.6	0.010	0.0069	0.00096	Wasteland
Total		1.6	2.2	1.4	0.20	

Taluk level Residue-wise Data for Nuh ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	16.8	1.4	0.93	0.13	Wasteland
Eucalyptus	Leaves	16.8	1.4	0.89	0.12	Wasteland
Others	Leaves	16.8	1.2	0.81	0.11	Wasteland
Babul	Twigs	16.8	1.2	0.80	0.11	Wasteland
Babul	Bark	16.8	1.2	0.80	0.11	Wasteland
Babul	Branches	16.8	1.2	0.80	0.11	Wasteland
Eucalyptus	Twigs	16.8	1.2	0.76	0.11	Wasteland
Eucalyptus	Bark	16.8	1.2	0.76	0.11	Wasteland
Eucalyptus	Branches	16.8	1.2	0.76	0.11	Wasteland
Others	Twigs	16.8	1.0	0.69	0.097	Wasteland
Others	Bark	16.8	1.0	0.69	0.097	Wasteland
Others	Branches	16.8	1.0	0.69	0.097	Wasteland
Jand,Kandi	Leaves	16.8	0.97	0.64	0.090	Wasteland
Jand,Kandi	Twigs	16.8	0.83	0.55	0.076	Wasteland
Jand,Kandi	Bark	16.8	0.83	0.55	0.076	Wasteland
Jand,Kandi	Branches	16.8	0.83	0.55	0.076	Wasteland
Shisham	Leaves	16.8	0.77	0.51	0.071	Wasteland
Shisham	Twigs	16.8	0.66	0.44	0.061	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	16.8	0.66	0.44	0.061	Wasteland
Shisham	Branches	16.8	0.66	0.44	0.061	Wasteland
Salvadora Spp.	Leaves	16.8	0.19	0.13	0.018	Wasteland
Salvadora Spp.	Twigs	16.8	0.17	0.11	0.015	Wasteland
Salvadora Spp.	Bark	16.8	0.17	0.11	0.015	Wasteland
Salvadora Spp.	Branches	16.8	0.17	0.11	0.015	Wasteland
Mango	Leaves	16.8	0.13	0.085	0.012	Wasteland
Cottonwood	Leaves	16.8	0.13	0.085	0.012	Wasteland
Neem	Leaves	16.8	0.13	0.085	0.012	Wasteland
Umbrella Thorn Acacia	Leaves	16.8	0.13	0.085	0.012	Wasteland
Umbrella Thorn Acacia	Twigs	16.8	0.11	0.073	0.010	Wasteland
Umbrella Thorn Acacia	Bark	16.8	0.11	0.073	0.010	Wasteland
Umbrella Thorn Acacia	Branches	16.8	0.11	0.073	0.010	Wasteland
Neem	Twigs	16.8	0.11	0.073	0.010	Wasteland
Mango	Twigs	16.8	0.11	0.073	0.010	Wasteland
Neem	Bark	16.8	0.11	0.073	0.010	Wasteland
Neem	Branches	16.8	0.11	0.073	0.010	Wasteland
Cottonwood	Twigs	16.8	0.11	0.073	0.010	Wasteland
Cottonwood	Bark	16.8	0.11	0.073	0.010	Wasteland
Cottonwood	Branches	16.8	0.11	0.073	0.010	Wasteland
Mango	Bark	16.8	0.11	0.073	0.010	Wasteland
Mango	Branches	16.8	0.11	0.073	0.010	Wasteland
Total		16.8	23.0	15.2	2.1	

Taluk level Residue-wise Data for Pataudi ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.73	0.062	0.041	0.0057	Wasteland
Eucalyptus	Leaves	0.73	0.059	0.039	0.0054	Wasteland
Others	Leaves	0.73	0.053	0.035	0.0049	Wasteland
Babul	Twigs	0.73	0.053	0.035	0.0049	Wasteland
Babul	Bark	0.73	0.053	0.035	0.0049	Wasteland
Babul	Branches	0.73	0.053	0.035	0.0049	Wasteland
Eucalyptus	Twigs	0.73	0.051	0.033	0.0047	Wasteland
Eucalyptus	Bark	0.73	0.051	0.033	0.0047	Wasteland
Eucalyptus	Branches	0.73	0.051	0.033	0.0047	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	0.73	0.046	0.030	0.0042	Wasteland
Others	Bark	0.73	0.046	0.030	0.0042	Wasteland
Others	Branches	0.73	0.046	0.030	0.0042	Wasteland
Jand,Kandi	Leaves	0.73	0.042	0.028	0.0039	Wasteland
Jand,Kandi	Twigs	0.73	0.036	0.024	0.0033	Wasteland
Jand,Kandi	Bark	0.73	0.036	0.024	0.0033	Wasteland
Jand,Kandi	Branches	0.73	0.036	0.024	0.0033	Wasteland
Shisham	Leaves	0.73	0.034	0.022	0.0031	Wasteland
Shisham	Twigs	0.73	0.029	0.019	0.0027	Wasteland
Shisham	Bark	0.73	0.029	0.019	0.0027	Wasteland
Shisham	Branches	0.73	0.029	0.019	0.0027	Wasteland
Salvadora Spp.	Leaves	0.73	0.0084	0.0056	0.00078	Wasteland
Salvadora Spp.	Twigs	0.73	0.0072	0.0048	0.00067	Wasteland
Salvadora Spp.	Bark	0.73	0.0072	0.0048	0.00067	Wasteland
Salvadora Spp.	Branches	0.73	0.0072	0.0048	0.00067	Wasteland
Mango	Leaves	0.73	0.0056	0.0037	0.00052	Wasteland
Cottonwood	Leaves	0.73	0.0056	0.0037	0.00052	Wasteland
Neem	Leaves	0.73	0.0056	0.0037	0.00052	Wasteland
Umbrella Thorn Acacia	Leaves	0.73	0.0056	0.0037	0.00052	Wasteland
Mango	Twigs	0.73	0.0048	0.0032	0.00044	Wasteland
Mango	Bark	0.73	0.0048	0.0032	0.00044	Wasteland
Mango	Branches	0.73	0.0048	0.0032	0.00044	Wasteland
Cottonwood	Twigs	0.73	0.0048	0.0032	0.00044	Wasteland
Cottonwood	Bark	0.73	0.0048	0.0032	0.00044	Wasteland
Cottonwood	Branches	0.73	0.0048	0.0032	0.00044	Wasteland
Neem	Bark	0.73	0.0048	0.0032	0.00044	Wasteland
Neem	Branches	0.73	0.0048	0.0032	0.00044	Wasteland
Neem	Twigs	0.73	0.0048	0.0032	0.00044	Wasteland
Umbrella Thorn Acacia	Twigs	0.73	0.0048	0.0032	0.00044	Wasteland
Umbrella Thorn Acacia	Bark	0.73	0.0048	0.0032	0.00044	Wasteland
Umbrella Thorn Acacia	Branches	0.73	0.0048	0.0032	0.00044	Wasteland
Total		0.73	1.0	0.66	0.093	

Taluk level Residue-wise Data for Hansi ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.6	0.22	0.14	0.020	Wasteland
Eucalyptus	Leaves	2.6	0.21	0.14	0.019	Wasteland
Others	Leaves	2.6	0.19	0.13	0.018	Wasteland
Babul	Twigs	2.6	0.19	0.12	0.017	Wasteland
Babul	Bark	2.6	0.19	0.12	0.017	Wasteland
Babul	Branches	2.6	0.19	0.12	0.017	Wasteland
Eucalyptus	Twigs	2.6	0.18	0.12	0.017	Wasteland
Eucalyptus	Bark	2.6	0.18	0.12	0.017	Wasteland
Eucalyptus	Branches	2.6	0.18	0.12	0.017	Wasteland
Others	Twigs	2.6	0.16	0.11	0.015	Wasteland
Others	Bark	2.6	0.16	0.11	0.015	Wasteland
Others	Branches	2.6	0.16	0.11	0.015	Wasteland
Jand,Kandi	Leaves	2.6	0.15	0.099	0.014	Wasteland
Jand,Kandi	Twigs	2.6	0.13	0.085	0.012	Wasteland
Jand,Kandi	Bark	2.6	0.13	0.085	0.012	Wasteland
Jand,Kandi	Branches	2.6	0.13	0.085	0.012	Wasteland
Shisham	Leaves	2.6	0.12	0.079	0.011	Wasteland
Shisham	Twigs	2.6	0.10	0.068	0.0095	Wasteland
Shisham	Bark	2.6	0.10	0.068	0.0095	Wasteland
Shisham	Branches	2.6	0.10	0.068	0.0095	Wasteland
Salvadora Spp.	Leaves	2.6	0.030	0.020	0.0028	Wasteland
Salvadora Spp.	Twigs	2.6	0.026	0.017	0.0024	Wasteland
Salvadora Spp.	Bark	2.6	0.026	0.017	0.0024	Wasteland
Salvadora Spp.	Branches	2.6	0.026	0.017	0.0024	Wasteland
Mango	Leaves	2.6	0.020	0.013	0.0018	Wasteland
Cottonwood	Leaves	2.6	0.020	0.013	0.0018	Wasteland
Neem	Leaves	2.6	0.020	0.013	0.0018	Wasteland
Umbrella Thorn Acacia	Leaves	2.6	0.020	0.013	0.0018	Wasteland
Mango	Twigs	2.6	0.017	0.011	0.0016	Wasteland
Mango	Bark	2.6	0.017	0.011	0.0016	Wasteland
Mango	Branches	2.6	0.017	0.011	0.0016	Wasteland
Cottonwood	Twigs	2.6	0.017	0.011	0.0016	Wasteland
Cottonwood	Bark	2.6	0.017	0.011	0.0016	Wasteland
Cottonwood	Branches	2.6	0.017	0.011	0.0016	Wasteland
Neem	Bark	2.6	0.017	0.011	0.0016	Wasteland
Neem	Branches	2.6	0.017	0.011	0.0016	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	2.6	0.017	0.011	0.0016	Wasteland
Umbrella Thorn Acacia	Twigs	2.6	0.017	0.011	0.0016	Wasteland
Umbrella Thorn Acacia	Bark	2.6	0.017	0.011	0.0016	Wasteland
Umbrella Thorn Acacia	Branches	2.6	0.017	0.011	0.0016	Wasteland
Total		2.6	3.6	2.4	0.33	

Taluk level Residue-wise Data for Hisar ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	30.8	2.6	1.7	0.24	Wasteland
Eucalyptus	Leaves	30.8	2.5	1.6	0.23	Wasteland
Others	Leaves	30.8	2.2	1.5	0.21	Wasteland
Babul	Twigs	30.8	2.2	1.5	0.21	Wasteland
Babul	Bark	30.8	2.2	1.5	0.21	Wasteland
Babul	Branches	30.8	2.2	1.5	0.21	Wasteland
Eucalyptus	Twigs	30.8	2.1	1.4	0.20	Wasteland
Eucalyptus	Bark	30.8	2.1	1.4	0.20	Wasteland
Eucalyptus	Branches	30.8	2.1	1.4	0.20	Wasteland
Others	Twigs	30.8	1.9	1.3	0.18	Wasteland
Others	Bark	30.8	1.9	1.3	0.18	Wasteland
Others	Branches	30.8	1.9	1.3	0.18	Wasteland
Jand,Kandi	Leaves	30.8	1.8	1.2	0.16	Wasteland
Jand,Kandi	Twigs	30.8	1.5	1.0	0.14	Wasteland
Jand,Kandi	Bark	30.8	1.5	1.0	0.14	Wasteland
Jand,Kandi	Branches	30.8	1.5	1.0	0.14	Wasteland
Shisham	Leaves	30.8	1.4	0.94	0.13	Wasteland
Shisham	Twigs	30.8	1.2	0.80	0.11	Wasteland
Shisham	Bark	30.8	1.2	0.80	0.11	Wasteland
Shisham	Branches	30.8	1.2	0.80	0.11	Wasteland
Salvadora Spp.	Leaves	30.8	0.35	0.23	0.033	Wasteland
Salvadora Spp.	Twigs	30.8	0.30	0.20	0.028	Wasteland
Salvadora Spp.	Bark	30.8	0.30	0.20	0.028	Wasteland
Salvadora Spp.	Branches	30.8	0.30	0.20	0.028	Wasteland
Mango	Leaves	30.8	0.24	0.16	0.022	Wasteland
Cottonwood	Leaves	30.8	0.24	0.16	0.022	Wasteland
Neem	Leaves	30.8	0.24	0.16	0.022	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	30.8	0.24	0.16	0.022	Wasteland
Umbrella Thorn Acacia	Twigs	30.8	0.20	0.13	0.019	Wasteland
Umbrella Thorn Acacia	Bark	30.8	0.20	0.13	0.019	Wasteland
Umbrella Thorn Acacia	Branches	30.8	0.20	0.13	0.019	Wasteland
Neem	Twigs	30.8	0.20	0.13	0.019	Wasteland
Mango	Twigs	30.8	0.20	0.13	0.019	Wasteland
Neem	Bark	30.8	0.20	0.13	0.019	Wasteland
Neem	Branches	30.8	0.20	0.13	0.019	Wasteland
Cottonwood	Twigs	30.8	0.20	0.13	0.019	Wasteland
Cottonwood	Bark	30.8	0.20	0.13	0.019	Wasteland
Cottonwood	Branches	30.8	0.20	0.13	0.019	Wasteland
Mango	Bark	30.8	0.20	0.13	0.019	Wasteland
Mango	Branches	30.8	0.20	0.13	0.019	Wasteland
Total		30.8	42.2	27.9	3.9	

Taluk level Residue-wise Data for Bahadurgarh ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	4.6	0.39	0.26	0.036	Wasteland
Eucalyptus	Leaves	4.6	0.37	0.24	0.034	Wasteland
Others	Leaves	4.6	0.33	0.22	0.031	Wasteland
Babul	Twigs	4.6	0.33	0.22	0.031	Wasteland
Babul	Bark	4.6	0.33	0.22	0.031	Wasteland
Babul	Branches	4.6	0.33	0.22	0.031	Wasteland
Eucalyptus	Twigs	4.6	0.32	0.21	0.029	Wasteland
Eucalyptus	Bark	4.6	0.32	0.21	0.029	Wasteland
Eucalyptus	Branches	4.6	0.32	0.21	0.029	Wasteland
Others	Twigs	4.6	0.29	0.19	0.026	Wasteland
Others	Bark	4.6	0.29	0.19	0.026	Wasteland
Others	Branches	4.6	0.29	0.19	0.026	Wasteland
Jand,Kandi	Leaves	4.6	0.27	0.17	0.024	Wasteland
Jand,Kandi	Twigs	4.6	0.23	0.15	0.021	Wasteland
Jand,Kandi	Bark	4.6	0.23	0.15	0.021	Wasteland
Jand,Kandi	Branches	4.6	0.23	0.15	0.021	Wasteland
Shisham	Leaves	4.6	0.21	0.14	0.019	Wasteland
Shisham	Twigs	4.6	0.18	0.12	0.017	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	4.6	0.18	0.12	0.017	Wasteland
Shisham	Branches	4.6	0.18	0.12	0.017	Wasteland
Salvadora Spp.	Leaves	4.6	0.053	0.035	0.0049	Wasteland
Salvadora Spp.	Twigs	4.6	0.045	0.030	0.0042	Wasteland
Salvadora Spp.	Bark	4.6	0.045	0.030	0.0042	Wasteland
Salvadora Spp.	Branches	4.6	0.045	0.030	0.0042	Wasteland
Mango	Leaves	4.6	0.035	0.023	0.0032	Wasteland
Cottonwood	Leaves	4.6	0.035	0.023	0.0032	Wasteland
Neem	Leaves	4.6	0.035	0.023	0.0032	Wasteland
Umbrella Thorn Acacia	Leaves	4.6	0.035	0.023	0.0032	Wasteland
Mango	Twigs	4.6	0.030	0.020	0.0028	Wasteland
Mango	Bark	4.6	0.030	0.020	0.0028	Wasteland
Mango	Branches	4.6	0.030	0.020	0.0028	Wasteland
Cottonwood	Twigs	4.6	0.030	0.020	0.0028	Wasteland
Cottonwood	Bark	4.6	0.030	0.020	0.0028	Wasteland
Cottonwood	Branches	4.6	0.030	0.020	0.0028	Wasteland
Neem	Bark	4.6	0.030	0.020	0.0028	Wasteland
Neem	Branches	4.6	0.030	0.020	0.0028	Wasteland
Neem	Twigs	4.6	0.030	0.020	0.0028	Wasteland
Umbrella Thorn Acacia	Twigs	4.6	0.030	0.020	0.0028	Wasteland
Umbrella Thorn Acacia	Bark	4.6	0.030	0.020	0.0028	Wasteland
Umbrella Thorn Acacia	Branches	4.6	0.030	0.020	0.0028	Wasteland
Total		4.6	6.3	4.1	0.58	

Taluk level Residue-wise Data for Jhajjar ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.1	0.18	0.12	0.017	Wasteland
Eucalyptus	Leaves	2.1	0.17	0.11	0.016	Wasteland
Others	Leaves	2.1	0.16	0.10	0.014	Wasteland
Babul	Twigs	2.1	0.16	0.10	0.014	Wasteland
Babul	Bark	2.1	0.16	0.10	0.014	Wasteland
Babul	Branches	2.1	0.16	0.10	0.014	Wasteland
Eucalyptus	Twigs	2.1	0.15	0.098	0.014	Wasteland
Eucalyptus	Bark	2.1	0.15	0.098	0.014	Wasteland
Eucalyptus	Branches	2.1	0.15	0.098	0.014	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	2.1	0.13	0.089	0.012	Wasteland
Others	Bark	2.1	0.13	0.089	0.012	Wasteland
Others	Branches	2.1	0.13	0.089	0.012	Wasteland
Jand,Kandi	Leaves	2.1	0.12	0.082	0.011	Wasteland
Jand,Kandi	Twigs	2.1	0.11	0.070	0.0098	Wasteland
Jand,Kandi	Bark	2.1	0.11	0.070	0.0098	Wasteland
Jand,Kandi	Branches	2.1	0.11	0.070	0.0098	Wasteland
Shisham	Leaves	2.1	0.099	0.065	0.0091	Wasteland
Shisham	Twigs	2.1	0.085	0.056	0.0078	Wasteland
Shisham	Bark	2.1	0.085	0.056	0.0078	Wasteland
Shisham	Branches	2.1	0.085	0.056	0.0078	Wasteland
Salvadora Spp.	Leaves	2.1	0.025	0.016	0.0023	Wasteland
Salvadora Spp.	Twigs	2.1	0.021	0.014	0.0020	Wasteland
Salvadora Spp.	Bark	2.1	0.021	0.014	0.0020	Wasteland
Salvadora Spp.	Branches	2.1	0.021	0.014	0.0020	Wasteland
Mango	Leaves	2.1	0.016	0.011	0.0015	Wasteland
Cottonwood	Leaves	2.1	0.016	0.011	0.0015	Wasteland
Neem	Leaves	2.1	0.016	0.011	0.0015	Wasteland
Umbrella Thorn Acacia	Leaves	2.1	0.016	0.011	0.0015	Wasteland
Mango	Twigs	2.1	0.014	0.0093	0.0013	Wasteland
Mango	Bark	2.1	0.014	0.0093	0.0013	Wasteland
Mango	Branches	2.1	0.014	0.0093	0.0013	Wasteland
Cottonwood	Twigs	2.1	0.014	0.0093	0.0013	Wasteland
Cottonwood	Bark	2.1	0.014	0.0093	0.0013	Wasteland
Cottonwood	Branches	2.1	0.014	0.0093	0.0013	Wasteland
Neem	Bark	2.1	0.014	0.0093	0.0013	Wasteland
Neem	Branches	2.1	0.014	0.0093	0.0013	Wasteland
Neem	Twigs	2.1	0.014	0.0093	0.0013	Wasteland
Umbrella Thorn Acacia	Twigs	2.1	0.014	0.0093	0.0013	Wasteland
Umbrella Thorn Acacia	Bark	2.1	0.014	0.0093	0.0013	Wasteland
Umbrella Thorn Acacia	Branches	2.1	0.014	0.0093	0.0013	Wasteland
Total		2.1	2.9	1.9	0.27	

Taluk level Residue-wise Data for Jind ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.90	0.076	0.050	0.0070	Wasteland
Eucalyptus	Leaves	0.90	0.073	0.048	0.0067	Wasteland
Others	Leaves	0.90	0.066	0.043	0.0061	Wasteland
Babul	Twigs	0.90	0.065	0.043	0.0060	Wasteland
Babul	Bark	0.90	0.065	0.043	0.0060	Wasteland
Babul	Branches	0.90	0.065	0.043	0.0060	Wasteland
Eucalyptus	Twigs	0.90	0.062	0.041	0.0058	Wasteland
Eucalyptus	Bark	0.90	0.062	0.041	0.0058	Wasteland
Eucalyptus	Branches	0.90	0.062	0.041	0.0058	Wasteland
Others	Twigs	0.90	0.056	0.037	0.0052	Wasteland
Others	Bark	0.90	0.056	0.037	0.0052	Wasteland
Others	Branches	0.90	0.056	0.037	0.0052	Wasteland
Jand,Kandi	Leaves	0.90	0.052	0.034	0.0048	Wasteland
Jand,Kandi	Twigs	0.90	0.044	0.029	0.0041	Wasteland
Jand,Kandi	Bark	0.90	0.044	0.029	0.0041	Wasteland
Jand,Kandi	Branches	0.90	0.044	0.029	0.0041	Wasteland
Shisham	Leaves	0.90	0.042	0.027	0.0038	Wasteland
Shisham	Twigs	0.90	0.036	0.024	0.0033	Wasteland
Shisham	Bark	0.90	0.036	0.024	0.0033	Wasteland
Shisham	Branches	0.90	0.036	0.024	0.0033	Wasteland
Salvadora Spp.	Leaves	0.90	0.010	0.0069	0.00096	Wasteland
Salvadora Spp.	Twigs	0.90	0.0089	0.0059	0.00082	Wasteland
Salvadora Spp.	Bark	0.90	0.0089	0.0059	0.00082	Wasteland
Salvadora Spp.	Branches	0.90	0.0089	0.0059	0.00082	Wasteland
Mango	Leaves	0.90	0.0069	0.0046	0.00064	Wasteland
Cottonwood	Leaves	0.90	0.0069	0.0046	0.00064	Wasteland
Neem	Leaves	0.90	0.0069	0.0046	0.00064	Wasteland
Umbrella Thorn Acacia	Leaves	0.90	0.0069	0.0046	0.00064	Wasteland
Umbrella Thorn Acacia	Twigs	0.90	0.0059	0.0039	0.00055	Wasteland
Umbrella Thorn Acacia	Bark	0.90	0.0059	0.0039	0.00055	Wasteland
Umbrella Thorn Acacia	Branches	0.90	0.0059	0.0039	0.00055	Wasteland
Neem	Twigs	0.90	0.0059	0.0039	0.00055	Wasteland
Mango	Twigs	0.90	0.0059	0.0039	0.00055	Wasteland
Neem	Bark	0.90	0.0059	0.0039	0.00055	Wasteland
Neem	Branches	0.90	0.0059	0.0039	0.00055	Wasteland
Cottonwood	Twigs	0.90	0.0059	0.0039	0.00055	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	0.90	0.0059	0.0039	0.00055	Wasteland
Cottonwood	Branches	0.90	0.0059	0.0039	0.00055	Wasteland
Mango	Bark	0.90	0.0059	0.0039	0.00055	Wasteland
Mango	Branches	0.90	0.0059	0.0039	0.00055	Wasteland
Total		0.90	1.2	0.82	0.11	

Taluk level Residue-wise Data for Narwana ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.5	0.12	0.082	0.012	Wasteland
Eucalyptus	Leaves	1.5	0.12	0.079	0.011	Wasteland
Others	Leaves	1.5	0.11	0.071	0.0100	Wasteland
Babul	Twigs	1.5	0.11	0.071	0.0099	Wasteland
Babul	Bark	1.5	0.11	0.071	0.0099	Wasteland
Babul	Branches	1.5	0.11	0.071	0.0099	Wasteland
Eucalyptus	Twigs	1.5	0.10	0.067	0.0094	Wasteland
Eucalyptus	Bark	1.5	0.10	0.067	0.0094	Wasteland
Eucalyptus	Branches	1.5	0.10	0.067	0.0094	Wasteland
Others	Twigs	1.5	0.092	0.061	0.0085	Wasteland
Others	Bark	1.5	0.092	0.061	0.0085	Wasteland
Others	Branches	1.5	0.092	0.061	0.0085	Wasteland
Jand,Kandi	Leaves	1.5	0.086	0.056	0.0079	Wasteland
Jand,Kandi	Twigs	1.5	0.073	0.048	0.0067	Wasteland
Jand,Kandi	Bark	1.5	0.073	0.048	0.0067	Wasteland
Jand,Kandi	Branches	1.5	0.073	0.048	0.0067	Wasteland
Shisham	Leaves	1.5	0.068	0.045	0.0063	Wasteland
Shisham	Twigs	1.5	0.058	0.039	0.0054	Wasteland
Shisham	Bark	1.5	0.058	0.039	0.0054	Wasteland
Shisham	Branches	1.5	0.058	0.039	0.0054	Wasteland
Salvadora Spp.	Leaves	1.5	0.017	0.011	0.0016	Wasteland
Salvadora Spp.	Twigs	1.5	0.015	0.0096	0.0013	Wasteland
Salvadora Spp.	Bark	1.5	0.015	0.0096	0.0013	Wasteland
Salvadora Spp.	Branches	1.5	0.015	0.0096	0.0013	Wasteland
Mango	Leaves	1.5	0.011	0.0075	0.0010	Wasteland
Cottonwood	Leaves	1.5	0.011	0.0075	0.0010	Wasteland
Neem	Leaves	1.5	0.011	0.0075	0.0010	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	1.5	0.011	0.0075	0.0010	Wasteland
Mango	Twigs	1.5	0.0097	0.0064	0.00090	Wasteland
Mango	Bark	1.5	0.0097	0.0064	0.00090	Wasteland
Mango	Branches	1.5	0.0097	0.0064	0.00090	Wasteland
Cottonwood	Twigs	1.5	0.0097	0.0064	0.00090	Wasteland
Cottonwood	Bark	1.5	0.0097	0.0064	0.00090	Wasteland
Cottonwood	Branches	1.5	0.0097	0.0064	0.00090	Wasteland
Neem	Bark	1.5	0.0097	0.0064	0.00090	Wasteland
Neem	Branches	1.5	0.0097	0.0064	0.00090	Wasteland
Neem	Twigs	1.5	0.0097	0.0064	0.00090	Wasteland
Umbrella Thorn Acacia	Twigs	1.5	0.0097	0.0064	0.00090	Wasteland
Umbrella Thorn Acacia	Bark	1.5	0.0097	0.0064	0.00090	Wasteland
Umbrella Thorn Acacia	Branches	1.5	0.0097	0.0064	0.00090	Wasteland
Total		1.5	2.0	1.3	0.19	

Taluk level Residue-wise Data for Safidon ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.074	0.0063	0.0041	0.00058	Wasteland
Eucalyptus	Leaves	0.074	0.0060	0.0039	0.00055	Wasteland
Others	Leaves	0.074	0.0054	0.0036	0.00050	Wasteland
Babul	Twigs	0.074	0.0054	0.0035	0.00050	Wasteland
Babul	Bark	0.074	0.0054	0.0035	0.00050	Wasteland
Babul	Branches	0.074	0.0054	0.0035	0.00050	Wasteland
Eucalyptus	Twigs	0.074	0.0051	0.0034	0.00047	Wasteland
Eucalyptus	Bark	0.074	0.0051	0.0034	0.00047	Wasteland
Eucalyptus	Branches	0.074	0.0051	0.0034	0.00047	Wasteland
Others	Twigs	0.074	0.0046	0.0031	0.00043	Wasteland
Others	Bark	0.074	0.0046	0.0031	0.00043	Wasteland
Others	Branches	0.074	0.0046	0.0031	0.00043	Wasteland
Jand,Kandi	Leaves	0.074	0.0043	0.0028	0.00040	Wasteland
Jand,Kandi	Twigs	0.074	0.0037	0.0024	0.00034	Wasteland
Jand,Kandi	Bark	0.074	0.0037	0.0024	0.00034	Wasteland
Jand,Kandi	Branches	0.074	0.0037	0.0024	0.00034	Wasteland
Shisham	Leaves	0.074	0.0034	0.0023	0.00032	Wasteland
Shisham	Twigs	0.074	0.0029	0.0019	0.00027	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	0.074	0.0029	0.0019	0.00027	Wasteland
Shisham	Branches	0.074	0.0029	0.0019	0.00027	Wasteland
Salvadora Spp.	Leaves	0.074	0.00085	0.00056	7.89E-05	Wasteland
Salvadora Spp.	Twigs	0.074	0.00073	0.00048	6.76E-05	Wasteland
Salvadora Spp.	Bark	0.074	0.00073	0.00048	6.76E-05	Wasteland
Salvadora Spp.	Branches	0.074	0.00073	0.00048	6.76E-05	Wasteland
Mango	Leaves	0.074	0.00057	0.00038	5.26E-05	Wasteland
Cottonwood	Leaves	0.074	0.00057	0.00038	5.26E-05	Wasteland
Neem	Leaves	0.074	0.00057	0.00038	5.26E-05	Wasteland
Umbrella Thorn Acacia	Leaves	0.074	0.00057	0.00038	5.26E-05	Wasteland
Mango	Twigs	0.074	0.00049	0.00032	4.51E-05	Wasteland
Mango	Bark	0.074	0.00049	0.00032	4.51E-05	Wasteland
Mango	Branches	0.074	0.00049	0.00032	4.51E-05	Wasteland
Cottonwood	Twigs	0.074	0.00049	0.00032	4.51E-05	Wasteland
Cottonwood	Bark	0.074	0.00049	0.00032	4.51E-05	Wasteland
Cottonwood	Branches	0.074	0.00049	0.00032	4.51E-05	Wasteland
Neem	Bark	0.074	0.00049	0.00032	4.51E-05	Wasteland
Neem	Branches	0.074	0.00049	0.00032	4.51E-05	Wasteland
Neem	Twigs	0.074	0.00049	0.00032	4.51E-05	Wasteland
Umbrella Thorn Acacia	Twigs	0.074	0.00049	0.00032	4.51E-05	Wasteland
Umbrella Thorn Acacia	Bark	0.074	0.00049	0.00032	4.51E-05	Wasteland
Umbrella Thorn Acacia	Branches	0.074	0.00049	0.00032	4.51E-05	Wasteland
Total		0.074	0.10	0.067	0.0094	

Taluk level Residue-wise Data for Gulha ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	3.3	0.27	0.18	0.025	Wasteland
Eucalyptus	Leaves	3.3	0.26	0.17	0.024	Wasteland
Others	Leaves	3.3	0.24	0.16	0.022	Wasteland
Babul	Twigs	3.3	0.24	0.16	0.022	Wasteland
Babul	Bark	3.3	0.24	0.16	0.022	Wasteland
Babul	Branches	3.3	0.24	0.16	0.022	Wasteland
Eucalyptus	Twigs	3.3	0.22	0.15	0.021	Wasteland
Eucalyptus	Bark	3.3	0.22	0.15	0.021	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Eucalyptus	Branches	3.3	0.22	0.15	0.021	Wasteland
Others	Twigs	3.3	0.20	0.13	0.019	Wasteland
Others	Bark	3.3	0.20	0.13	0.019	Wasteland
Others	Branches	3.3	0.20	0.13	0.019	Wasteland
Jand,Kandi	Leaves	3.3	0.19	0.12	0.017	Wasteland
Jand,Kandi	Twigs	3.3	0.16	0.11	0.015	Wasteland
Jand,Kandi	Bark	3.3	0.16	0.11	0.015	Wasteland
Jand,Kandi	Branches	3.3	0.16	0.11	0.015	Wasteland
Shisham	Leaves	3.3	0.15	0.099	0.014	Wasteland
Shisham	Twigs	3.3	0.13	0.085	0.012	Wasteland
Shisham	Bark	3.3	0.13	0.085	0.012	Wasteland
Shisham	Branches	3.3	0.13	0.085	0.012	Wasteland
Salvadora Spp.	Leaves	3.3	0.037	0.025	0.0035	Wasteland
Salvadora Spp.	Twigs	3.3	0.032	0.021	0.0030	Wasteland
Salvadora Spp.	Bark	3.3	0.032	0.021	0.0030	Wasteland
Salvadora Spp.	Branches	3.3	0.032	0.021	0.0030	Wasteland
Mango	Leaves	3.3	0.025	0.016	0.0023	Wasteland
Cottonwood	Leaves	3.3	0.025	0.016	0.0023	Wasteland
Neem	Leaves	3.3	0.025	0.016	0.0023	Wasteland
Umbrella Thorn Acacia	Leaves	3.3	0.025	0.016	0.0023	Wasteland
Umbrella Thorn Acacia	Twigs	3.3	0.021	0.014	0.0020	Wasteland
Umbrella Thorn Acacia	Bark	3.3	0.021	0.014	0.0020	Wasteland
Umbrella Thorn Acacia	Branches	3.3	0.021	0.014	0.0020	Wasteland
Neem	Twigs	3.3	0.021	0.014	0.0020	Wasteland
Mango	Twigs	3.3	0.021	0.014	0.0020	Wasteland
Neem	Bark	3.3	0.021	0.014	0.0020	Wasteland
Neem	Branches	3.3	0.021	0.014	0.0020	Wasteland
Cottonwood	Twigs	3.3	0.021	0.014	0.0020	Wasteland
Cottonwood	Bark	3.3	0.021	0.014	0.0020	Wasteland
Cottonwood	Branches	3.3	0.021	0.014	0.0020	Wasteland
Mango	Bark	3.3	0.021	0.014	0.0020	Wasteland
Mango	Branches	3.3	0.021	0.014	0.0020	Wasteland
Total		3.3	4.5	2.9	0.41	

Taluk level Residue-wise Data for Kaithal ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	3.3	0.28	0.19	0.026	Wasteland
Eucalyptus	Leaves	3.3	0.27	0.18	0.025	Wasteland
Others	Leaves	3.3	0.24	0.16	0.023	Wasteland
Babul	Twigs	3.3	0.24	0.16	0.022	Wasteland
Babul	Bark	3.3	0.24	0.16	0.022	Wasteland
Babul	Branches	3.3	0.24	0.16	0.022	Wasteland
Eucalyptus	Twigs	3.3	0.23	0.15	0.021	Wasteland
Eucalyptus	Bark	3.3	0.23	0.15	0.021	Wasteland
Eucalyptus	Branches	3.3	0.23	0.15	0.021	Wasteland
Others	Twigs	3.3	0.21	0.14	0.019	Wasteland
Others	Bark	3.3	0.21	0.14	0.019	Wasteland
Others	Branches	3.3	0.21	0.14	0.019	Wasteland
Jand,Kandi	Leaves	3.3	0.19	0.13	0.018	Wasteland
Jand,Kandi	Twigs	3.3	0.16	0.11	0.015	Wasteland
Jand,Kandi	Bark	3.3	0.16	0.11	0.015	Wasteland
Jand,Kandi	Branches	3.3	0.16	0.11	0.015	Wasteland
Shisham	Leaves	3.3	0.15	0.10	0.014	Wasteland
Shisham	Twigs	3.3	0.13	0.087	0.012	Wasteland
Shisham	Bark	3.3	0.13	0.087	0.012	Wasteland
Shisham	Branches	3.3	0.13	0.087	0.012	Wasteland
Salvadora Spp.	Leaves	3.3	0.038	0.025	0.0036	Wasteland
Salvadora Spp.	Twigs	3.3	0.033	0.022	0.0030	Wasteland
Salvadora Spp.	Bark	3.3	0.033	0.022	0.0030	Wasteland
Salvadora Spp.	Branches	3.3	0.033	0.022	0.0030	Wasteland
Mango	Leaves	3.3	0.026	0.017	0.0024	Wasteland
Cottonwood	Leaves	3.3	0.026	0.017	0.0024	Wasteland
Neem	Leaves	3.3	0.026	0.017	0.0024	Wasteland
Umbrella Thorn Acacia	Leaves	3.3	0.026	0.017	0.0024	Wasteland
Mango	Twigs	3.3	0.022	0.015	0.0020	Wasteland
Mango	Bark	3.3	0.022	0.015	0.0020	Wasteland
Mango	Branches	3.3	0.022	0.015	0.0020	Wasteland
Cottonwood	Twigs	3.3	0.022	0.015	0.0020	Wasteland
Cottonwood	Bark	3.3	0.022	0.015	0.0020	Wasteland
Cottonwood	Branches	3.3	0.022	0.015	0.0020	Wasteland
Neem	Bark	3.3	0.022	0.015	0.0020	Wasteland
Neem	Branches	3.3	0.022	0.015	0.0020	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	3.3	0.022	0.015	0.0020	Wasteland
Umbrella Thorn Acacia	Twigs	3.3	0.022	0.015	0.0020	Wasteland
Umbrella Thorn Acacia	Bark	3.3	0.022	0.015	0.0020	Wasteland
Umbrella Thorn Acacia	Branches	3.3	0.022	0.015	0.0020	Wasteland
Total		3.3	4.6	3.0	0.42	

Taluk level Residue-wise Data for Asandh ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.9	0.16	0.11	0.015	Wasteland
Eucalyptus	Leaves	1.9	0.16	0.10	0.014	Wasteland
Others	Leaves	1.9	0.14	0.093	0.013	Wasteland
Babul	Twigs	1.9	0.14	0.092	0.013	Wasteland
Babul	Bark	1.9	0.14	0.092	0.013	Wasteland
Babul	Branches	1.9	0.14	0.092	0.013	Wasteland
Eucalyptus	Twigs	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Bark	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Branches	1.9	0.13	0.088	0.012	Wasteland
Others	Twigs	1.9	0.12	0.080	0.011	Wasteland
Others	Bark	1.9	0.12	0.080	0.011	Wasteland
Others	Branches	1.9	0.12	0.080	0.011	Wasteland
Jand,Kandi	Leaves	1.9	0.11	0.074	0.010	Wasteland
Jand,Kandi	Twigs	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Bark	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Branches	1.9	0.095	0.063	0.0088	Wasteland
Shisham	Leaves	1.9	0.089	0.059	0.0082	Wasteland
Shisham	Twigs	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Bark	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Branches	1.9	0.076	0.050	0.0070	Wasteland
Salvadora Spp.	Leaves	1.9	0.022	0.015	0.0021	Wasteland
Salvadora Spp.	Twigs	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Bark	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Branches	1.9	0.019	0.013	0.0018	Wasteland
Mango	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Cottonwood	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Neem	Leaves	1.9	0.015	0.0098	0.0014	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Mango	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Total		1.9	2.6	1.7	0.24	

Taluk level Residue-wise Data for Karnal ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	5.8	0.49	0.32	0.045	Wasteland
Eucalyptus	Leaves	5.8	0.46	0.31	0.043	Wasteland
Others	Leaves	5.8	0.42	0.28	0.039	Wasteland
Babul	Twigs	5.8	0.42	0.27	0.038	Wasteland
Babul	Bark	5.8	0.42	0.27	0.038	Wasteland
Babul	Branches	5.8	0.42	0.27	0.038	Wasteland
Eucalyptus	Twigs	5.8	0.40	0.26	0.037	Wasteland
Eucalyptus	Bark	5.8	0.40	0.26	0.037	Wasteland
Eucalyptus	Branches	5.8	0.40	0.26	0.037	Wasteland
Others	Twigs	5.8	0.36	0.24	0.033	Wasteland
Others	Bark	5.8	0.36	0.24	0.033	Wasteland
Others	Branches	5.8	0.36	0.24	0.033	Wasteland
Jand,Kandi	Leaves	5.8	0.33	0.22	0.031	Wasteland
Jand,Kandi	Twigs	5.8	0.28	0.19	0.026	Wasteland
Jand,Kandi	Bark	5.8	0.28	0.19	0.026	Wasteland
Jand,Kandi	Branches	5.8	0.28	0.19	0.026	Wasteland
Shisham	Leaves	5.8	0.27	0.17	0.024	Wasteland
Shisham	Twigs	5.8	0.23	0.15	0.021	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	5.8	0.23	0.15	0.021	Wasteland
Shisham	Branches	5.8	0.23	0.15	0.021	Wasteland
Salvadora Spp.	Leaves	5.8	0.066	0.044	0.0061	Wasteland
Salvadora Spp.	Twigs	5.8	0.057	0.037	0.0052	Wasteland
Salvadora Spp.	Bark	5.8	0.057	0.037	0.0052	Wasteland
Salvadora Spp.	Branches	5.8	0.057	0.037	0.0052	Wasteland
Mango	Leaves	5.8	0.044	0.029	0.0041	Wasteland
Cottonwood	Leaves	5.8	0.044	0.029	0.0041	Wasteland
Neem	Leaves	5.8	0.044	0.029	0.0041	Wasteland
Umbrella Thorn Acacia	Leaves	5.8	0.044	0.029	0.0041	Wasteland
Mango	Twigs	5.8	0.038	0.025	0.0035	Wasteland
Mango	Bark	5.8	0.038	0.025	0.0035	Wasteland
Mango	Branches	5.8	0.038	0.025	0.0035	Wasteland
Cottonwood	Twigs	5.8	0.038	0.025	0.0035	Wasteland
Cottonwood	Bark	5.8	0.038	0.025	0.0035	Wasteland
Cottonwood	Branches	5.8	0.038	0.025	0.0035	Wasteland
Neem	Bark	5.8	0.038	0.025	0.0035	Wasteland
Neem	Branches	5.8	0.038	0.025	0.0035	Wasteland
Neem	Twigs	5.8	0.038	0.025	0.0035	Wasteland
Umbrella Thorn Acacia	Twigs	5.8	0.038	0.025	0.0035	Wasteland
Umbrella Thorn Acacia	Bark	5.8	0.038	0.025	0.0035	Wasteland
Umbrella Thorn Acacia	Branches	5.8	0.038	0.025	0.0035	Wasteland
Total		5.8	7.9	5.2	0.73	

Taluk level Residue-wise Data for Pehowa ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.9	0.16	0.11	0.015	Wasteland
Eucalyptus	Leaves	1.9	0.16	0.10	0.014	Wasteland
Others	Leaves	1.9	0.14	0.093	0.013	Wasteland
Babul	Twigs	1.9	0.14	0.092	0.013	Wasteland
Babul	Bark	1.9	0.14	0.092	0.013	Wasteland
Babul	Branches	1.9	0.14	0.092	0.013	Wasteland
Eucalyptus	Twigs	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Bark	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Branches	1.9	0.13	0.088	0.012	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	1.9	0.12	0.080	0.011	Wasteland
Others	Bark	1.9	0.12	0.080	0.011	Wasteland
Others	Branches	1.9	0.12	0.080	0.011	Wasteland
Jand,Kandi	Leaves	1.9	0.11	0.074	0.010	Wasteland
Jand,Kandi	Twigs	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Bark	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Branches	1.9	0.095	0.063	0.0088	Wasteland
Shisham	Leaves	1.9	0.089	0.059	0.0082	Wasteland
Shisham	Twigs	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Bark	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Branches	1.9	0.076	0.050	0.0070	Wasteland
Salvadora Spp.	Leaves	1.9	0.022	0.015	0.0021	Wasteland
Salvadora Spp.	Twigs	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Bark	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Branches	1.9	0.019	0.013	0.0018	Wasteland
Mango	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Cottonwood	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Neem	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Umbrella Thorn Acacia	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Mango	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Total		1.9	2.6	1.7	0.24	

Taluk level Residue-wise Data for Thanesar ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.9	0.16	0.10	0.014	Wasteland
Eucalyptus	Leaves	1.9	0.15	0.098	0.014	Wasteland
Others	Leaves	1.9	0.13	0.089	0.012	Wasteland
Babul	Twigs	1.9	0.13	0.088	0.012	Wasteland
Babul	Bark	1.9	0.13	0.088	0.012	Wasteland
Babul	Branches	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Twigs	1.9	0.13	0.084	0.012	Wasteland
Eucalyptus	Bark	1.9	0.13	0.084	0.012	Wasteland
Eucalyptus	Branches	1.9	0.13	0.084	0.012	Wasteland
Others	Twigs	1.9	0.12	0.076	0.011	Wasteland
Others	Bark	1.9	0.12	0.076	0.011	Wasteland
Others	Branches	1.9	0.12	0.076	0.011	Wasteland
Jand,Kandi	Leaves	1.9	0.11	0.071	0.0099	Wasteland
Jand,Kandi	Twigs	1.9	0.091	0.060	0.0084	Wasteland
Jand,Kandi	Bark	1.9	0.091	0.060	0.0084	Wasteland
Jand,Kandi	Branches	1.9	0.091	0.060	0.0084	Wasteland
Shisham	Leaves	1.9	0.085	0.056	0.0079	Wasteland
Shisham	Twigs	1.9	0.073	0.048	0.0068	Wasteland
Shisham	Bark	1.9	0.073	0.048	0.0068	Wasteland
Shisham	Branches	1.9	0.073	0.048	0.0068	Wasteland
Salvadora Spp.	Leaves	1.9	0.021	0.014	0.0020	Wasteland
Salvadora Spp.	Twigs	1.9	0.018	0.012	0.0017	Wasteland
Salvadora Spp.	Bark	1.9	0.018	0.012	0.0017	Wasteland
Salvadora Spp.	Branches	1.9	0.018	0.012	0.0017	Wasteland
Mango	Leaves	1.9	0.014	0.0094	0.0013	Wasteland
Cottonwood	Leaves	1.9	0.014	0.0094	0.0013	Wasteland
Neem	Leaves	1.9	0.014	0.0094	0.0013	Wasteland
Umbrella Thorn Acacia	Leaves	1.9	0.014	0.0094	0.0013	Wasteland
Umbrella Thorn Acacia	Twigs	1.9	0.012	0.0080	0.0011	Wasteland
Umbrella Thorn Acacia	Bark	1.9	0.012	0.0080	0.0011	Wasteland
Umbrella Thorn Acacia	Branches	1.9	0.012	0.0080	0.0011	Wasteland
Neem	Twigs	1.9	0.012	0.0080	0.0011	Wasteland
Mango	Twigs	1.9	0.012	0.0080	0.0011	Wasteland
Neem	Bark	1.9	0.012	0.0080	0.0011	Wasteland
Neem	Branches	1.9	0.012	0.0080	0.0011	Wasteland
Cottonwood	Twigs	1.9	0.012	0.0080	0.0011	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	1.9	0.012	0.0080	0.0011	Wasteland
Cottonwood	Branches	1.9	0.012	0.0080	0.0011	Wasteland
Mango	Bark	1.9	0.012	0.0080	0.0011	Wasteland
Mango	Branches	1.9	0.012	0.0080	0.0011	Wasteland
Total		1.9	2.5	1.7	0.23	

Taluk level Residue-wise Data for Mahendragarh ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	6.8	0.57	0.38	0.053	Wasteland
Eucalyptus	Leaves	6.8	0.54	0.36	0.050	Wasteland
Others	Leaves	6.8	0.49	0.32	0.045	Wasteland
Babul	Twigs	6.8	0.49	0.32	0.045	Wasteland
Babul	Bark	6.8	0.49	0.32	0.045	Wasteland
Babul	Branches	6.8	0.49	0.32	0.045	Wasteland
Eucalyptus	Twigs	6.8	0.47	0.31	0.043	Wasteland
Eucalyptus	Bark	6.8	0.47	0.31	0.043	Wasteland
Eucalyptus	Branches	6.8	0.47	0.31	0.043	Wasteland
Others	Twigs	6.8	0.42	0.28	0.039	Wasteland
Others	Bark	6.8	0.42	0.28	0.039	Wasteland
Others	Branches	6.8	0.42	0.28	0.039	Wasteland
Jand,Kandi	Leaves	6.8	0.39	0.26	0.036	Wasteland
Jand,Kandi	Twigs	6.8	0.33	0.22	0.031	Wasteland
Jand,Kandi	Bark	6.8	0.33	0.22	0.031	Wasteland
Jand,Kandi	Branches	6.8	0.33	0.22	0.031	Wasteland
Shisham	Leaves	6.8	0.31	0.21	0.029	Wasteland
Shisham	Twigs	6.8	0.27	0.18	0.025	Wasteland
Shisham	Bark	6.8	0.27	0.18	0.025	Wasteland
Shisham	Branches	6.8	0.27	0.18	0.025	Wasteland
Salvadora Spp.	Leaves	6.8	0.078	0.051	0.0072	Wasteland
Salvadora Spp.	Twigs	6.8	0.067	0.044	0.0062	Wasteland
Salvadora Spp.	Bark	6.8	0.067	0.044	0.0062	Wasteland
Salvadora Spp.	Branches	6.8	0.067	0.044	0.0062	Wasteland
Mango	Leaves	6.8	0.052	0.034	0.0048	Wasteland
Cottonwood	Leaves	6.8	0.052	0.034	0.0048	Wasteland
Neem	Leaves	6.8	0.052	0.034	0.0048	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	6.8	0.052	0.034	0.0048	Wasteland
Umbrella Thorn Acacia	Twigs	6.8	0.044	0.029	0.0041	Wasteland
Umbrella Thorn Acacia	Bark	6.8	0.044	0.029	0.0041	Wasteland
Umbrella Thorn Acacia	Branches	6.8	0.044	0.029	0.0041	Wasteland
Neem	Twigs	6.8	0.044	0.029	0.0041	Wasteland
Mango	Twigs	6.8	0.044	0.029	0.0041	Wasteland
Neem	Bark	6.8	0.044	0.029	0.0041	Wasteland
Neem	Branches	6.8	0.044	0.029	0.0041	Wasteland
Cottonwood	Twigs	6.8	0.044	0.029	0.0041	Wasteland
Cottonwood	Bark	6.8	0.044	0.029	0.0041	Wasteland
Cottonwood	Branches	6.8	0.044	0.029	0.0041	Wasteland
Mango	Bark	6.8	0.044	0.029	0.0041	Wasteland
Mango	Branches	6.8	0.044	0.029	0.0041	Wasteland
Total		6.8	9.3	6.1	0.85	

Taluk level Residue-wise Data for Narnaul ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	10.6	0.90	0.59	0.083	Wasteland
Eucalyptus	Leaves	10.6	0.86	0.57	0.079	Wasteland
Others	Leaves	10.6	0.77	0.51	0.072	Wasteland
Babul	Twigs	10.6	0.77	0.51	0.071	Wasteland
Babul	Bark	10.6	0.77	0.51	0.071	Wasteland
Babul	Branches	10.6	0.77	0.51	0.071	Wasteland
Eucalyptus	Twigs	10.6	0.73	0.48	0.068	Wasteland
Eucalyptus	Bark	10.6	0.73	0.48	0.068	Wasteland
Eucalyptus	Branches	10.6	0.73	0.48	0.068	Wasteland
Others	Twigs	10.6	0.66	0.44	0.061	Wasteland
Others	Bark	10.6	0.66	0.44	0.061	Wasteland
Others	Branches	10.6	0.66	0.44	0.061	Wasteland
Jand,Kandi	Leaves	10.6	0.61	0.41	0.057	Wasteland
Jand,Kandi	Twigs	10.6	0.52	0.35	0.048	Wasteland
Jand,Kandi	Bark	10.6	0.52	0.35	0.048	Wasteland
Jand,Kandi	Branches	10.6	0.52	0.35	0.048	Wasteland
Shisham	Leaves	10.6	0.49	0.32	0.045	Wasteland
Shisham	Twigs	10.6	0.42	0.28	0.039	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	10.6	0.42	0.28	0.039	Wasteland
Shisham	Branches	10.6	0.42	0.28	0.039	Wasteland
Salvadora Spp.	Leaves	10.6	0.12	0.081	0.011	Wasteland
Salvadora Spp.	Twigs	10.6	0.10	0.069	0.0097	Wasteland
Salvadora Spp.	Bark	10.6	0.10	0.069	0.0097	Wasteland
Salvadora Spp.	Branches	10.6	0.10	0.069	0.0097	Wasteland
Mango	Leaves	10.6	0.082	0.054	0.0075	Wasteland
Cottonwood	Leaves	10.6	0.082	0.054	0.0075	Wasteland
Neem	Leaves	10.6	0.082	0.054	0.0075	Wasteland
Umbrella Thorn Acacia	Leaves	10.6	0.082	0.054	0.0075	Wasteland
Mango	Twigs	10.6	0.070	0.046	0.0065	Wasteland
Mango	Bark	10.6	0.070	0.046	0.0065	Wasteland
Mango	Branches	10.6	0.070	0.046	0.0065	Wasteland
Cottonwood	Twigs	10.6	0.070	0.046	0.0065	Wasteland
Cottonwood	Bark	10.6	0.070	0.046	0.0065	Wasteland
Cottonwood	Branches	10.6	0.070	0.046	0.0065	Wasteland
Neem	Bark	10.6	0.070	0.046	0.0065	Wasteland
Neem	Branches	10.6	0.070	0.046	0.0065	Wasteland
Neem	Twigs	10.6	0.070	0.046	0.0065	Wasteland
Umbrella Thorn Acacia	Twigs	10.6	0.070	0.046	0.0065	Wasteland
Umbrella Thorn Acacia	Bark	10.6	0.070	0.046	0.0065	Wasteland
Umbrella Thorn Acacia	Branches	10.6	0.070	0.046	0.0065	Wasteland
Total		10.6	14.6	9.6	1.3	

Taluk level Residue-wise Data for Kalka ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.2	0.18	0.12	0.017	Wasteland
Eucalyptus	Leaves	2.2	0.18	0.12	0.016	Wasteland
Others	Leaves	2.2	0.16	0.11	0.015	Wasteland
Babul	Twigs	2.2	0.16	0.10	0.015	Wasteland
Babul	Bark	2.2	0.16	0.10	0.015	Wasteland
Babul	Branches	2.2	0.16	0.10	0.015	Wasteland
Eucalyptus	Twigs	2.2	0.15	0.100	0.014	Wasteland
Eucalyptus	Bark	2.2	0.15	0.100	0.014	Wasteland
Eucalyptus	Branches	2.2	0.15	0.100	0.014	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	2.2	0.14	0.090	0.013	Wasteland
Others	Bark	2.2	0.14	0.090	0.013	Wasteland
Others	Branches	2.2	0.14	0.090	0.013	Wasteland
Jand,Kandi	Leaves	2.2	0.13	0.084	0.012	Wasteland
Jand,Kandi	Twigs	2.2	0.11	0.071	0.0100	Wasteland
Jand,Kandi	Bark	2.2	0.11	0.071	0.0100	Wasteland
Jand,Kandi	Branches	2.2	0.11	0.071	0.0100	Wasteland
Shisham	Leaves	2.2	0.10	0.067	0.0093	Wasteland
Shisham	Twigs	2.2	0.086	0.057	0.0080	Wasteland
Shisham	Bark	2.2	0.086	0.057	0.0080	Wasteland
Shisham	Branches	2.2	0.086	0.057	0.0080	Wasteland
Salvadora Spp.	Leaves	2.2	0.025	0.017	0.0023	Wasteland
Salvadora Spp.	Twigs	2.2	0.022	0.014	0.0020	Wasteland
Salvadora Spp.	Bark	2.2	0.022	0.014	0.0020	Wasteland
Salvadora Spp.	Branches	2.2	0.022	0.014	0.0020	Wasteland
Mango	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Cottonwood	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Neem	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Umbrella Thorn Acacia	Leaves	2.2	0.017	0.011	0.0016	Wasteland
Mango	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Mango	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Mango	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Cottonwood	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Cottonwood	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Cottonwood	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Neem	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Neem	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Neem	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Umbrella Thorn Acacia	Twigs	2.2	0.014	0.0095	0.0013	Wasteland
Umbrella Thorn Acacia	Bark	2.2	0.014	0.0095	0.0013	Wasteland
Umbrella Thorn Acacia	Branches	2.2	0.014	0.0095	0.0013	Wasteland
Total		2.2	3.0	2.0	0.28	

Taluk level Residue-wise Data for Panipat ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	2.0	0.17	0.11	0.016	Wasteland
Eucalyptus	Leaves	2.0	0.16	0.11	0.015	Wasteland
Others	Leaves	2.0	0.15	0.096	0.014	Wasteland
Babul	Twigs	2.0	0.15	0.096	0.013	Wasteland
Babul	Bark	2.0	0.15	0.096	0.013	Wasteland
Babul	Branches	2.0	0.15	0.096	0.013	Wasteland
Eucalyptus	Twigs	2.0	0.14	0.091	0.013	Wasteland
Eucalyptus	Bark	2.0	0.14	0.091	0.013	Wasteland
Eucalyptus	Branches	2.0	0.14	0.091	0.013	Wasteland
Others	Twigs	2.0	0.13	0.083	0.012	Wasteland
Others	Bark	2.0	0.13	0.083	0.012	Wasteland
Others	Branches	2.0	0.13	0.083	0.012	Wasteland
Jand,Kandi	Leaves	2.0	0.12	0.077	0.011	Wasteland
Jand,Kandi	Twigs	2.0	0.099	0.065	0.0091	Wasteland
Jand,Kandi	Bark	2.0	0.099	0.065	0.0091	Wasteland
Jand,Kandi	Branches	2.0	0.099	0.065	0.0091	Wasteland
Shisham	Leaves	2.0	0.092	0.061	0.0085	Wasteland
Shisham	Twigs	2.0	0.079	0.052	0.0073	Wasteland
Shisham	Bark	2.0	0.079	0.052	0.0073	Wasteland
Shisham	Branches	2.0	0.079	0.052	0.0073	Wasteland
Salvadora Spp.	Leaves	2.0	0.023	0.015	0.0021	Wasteland
Salvadora Spp.	Twigs	2.0	0.020	0.013	0.0018	Wasteland
Salvadora Spp.	Bark	2.0	0.020	0.013	0.0018	Wasteland
Salvadora Spp.	Branches	2.0	0.020	0.013	0.0018	Wasteland
Mango	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Cottonwood	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Neem	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Umbrella Thorn Acacia	Leaves	2.0	0.015	0.010	0.0014	Wasteland
Umbrella Thorn Acacia	Twigs	2.0	0.013	0.0087	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Neem	Twigs	2.0	0.013	0.0087	0.0012	Wasteland
Mango	Twigs	2.0	0.013	0.0087	0.0012	Wasteland
Neem	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Neem	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Cottonwood	Twigs	2.0	0.013	0.0087	0.0012	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Cottonwood	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Cottonwood	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Mango	Bark	2.0	0.013	0.0087	0.0012	Wasteland
Mango	Branches	2.0	0.013	0.0087	0.0012	Wasteland
Total		2.0	2.7	1.8	0.25	

Taluk level Residue-wise Data for Bawal ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.4	0.12	0.080	0.011	Wasteland
Eucalyptus	Leaves	1.4	0.12	0.077	0.011	Wasteland
Others	Leaves	1.4	0.11	0.070	0.0097	Wasteland
Babul	Twigs	1.4	0.10	0.069	0.0097	Wasteland
Babul	Bark	1.4	0.10	0.069	0.0097	Wasteland
Babul	Branches	1.4	0.10	0.069	0.0097	Wasteland
Eucalyptus	Twigs	1.4	0.100	0.066	0.0092	Wasteland
Eucalyptus	Bark	1.4	0.100	0.066	0.0092	Wasteland
Eucalyptus	Branches	1.4	0.100	0.066	0.0092	Wasteland
Others	Twigs	1.4	0.090	0.060	0.0083	Wasteland
Others	Bark	1.4	0.090	0.060	0.0083	Wasteland
Others	Branches	1.4	0.090	0.060	0.0083	Wasteland
Jand,Kandi	Leaves	1.4	0.084	0.055	0.0077	Wasteland
Jand,Kandi	Twigs	1.4	0.071	0.047	0.0066	Wasteland
Jand,Kandi	Bark	1.4	0.071	0.047	0.0066	Wasteland
Jand,Kandi	Branches	1.4	0.071	0.047	0.0066	Wasteland
Shisham	Leaves	1.4	0.067	0.044	0.0061	Wasteland
Shisham	Twigs	1.4	0.057	0.038	0.0053	Wasteland
Shisham	Bark	1.4	0.057	0.038	0.0053	Wasteland
Shisham	Branches	1.4	0.057	0.038	0.0053	Wasteland
Salvadora Spp.	Leaves	1.4	0.017	0.011	0.0015	Wasteland
Salvadora Spp.	Twigs	1.4	0.014	0.0094	0.0013	Wasteland
Salvadora Spp.	Bark	1.4	0.014	0.0094	0.0013	Wasteland
Salvadora Spp.	Branches	1.4	0.014	0.0094	0.0013	Wasteland
Mango	Leaves	1.4	0.011	0.0073	0.0010	Wasteland
Cottonwood	Leaves	1.4	0.011	0.0073	0.0010	Wasteland
Neem	Leaves	1.4	0.011	0.0073	0.0010	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	1.4	0.011	0.0073	0.0010	Wasteland
Mango	Twigs	1.4	0.0095	0.0063	0.00088	Wasteland
Mango	Bark	1.4	0.0095	0.0063	0.00088	Wasteland
Mango	Branches	1.4	0.0095	0.0063	0.00088	Wasteland
Cottonwood	Twigs	1.4	0.0095	0.0063	0.00088	Wasteland
Cottonwood	Bark	1.4	0.0095	0.0063	0.00088	Wasteland
Cottonwood	Branches	1.4	0.0095	0.0063	0.00088	Wasteland
Neem	Bark	1.4	0.0095	0.0063	0.00088	Wasteland
Neem	Branches	1.4	0.0095	0.0063	0.00088	Wasteland
Neem	Twigs	1.4	0.0095	0.0063	0.00088	Wasteland
Umbrella Thorn Acacia	Twigs	1.4	0.0095	0.0063	0.00088	Wasteland
Umbrella Thorn Acacia	Bark	1.4	0.0095	0.0063	0.00088	Wasteland
Umbrella Thorn Acacia	Branches	1.4	0.0095	0.0063	0.00088	Wasteland
Total		1.4	2.0	1.3	0.18	

Taluk level Residue-wise Data for Kosli ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.1	0.090	0.060	0.0083	Wasteland
Eucalyptus	Leaves	1.1	0.086	0.057	0.0080	Wasteland
Others	Leaves	1.1	0.078	0.052	0.0072	Wasteland
Babul	Twigs	1.1	0.077	0.051	0.0072	Wasteland
Babul	Bark	1.1	0.077	0.051	0.0072	Wasteland
Babul	Branches	1.1	0.077	0.051	0.0072	Wasteland
Eucalyptus	Twigs	1.1	0.074	0.049	0.0068	Wasteland
Eucalyptus	Bark	1.1	0.074	0.049	0.0068	Wasteland
Eucalyptus	Branches	1.1	0.074	0.049	0.0068	Wasteland
Others	Twigs	1.1	0.067	0.044	0.0062	Wasteland
Others	Bark	1.1	0.067	0.044	0.0062	Wasteland
Others	Branches	1.1	0.067	0.044	0.0062	Wasteland
Jand,Kandi	Leaves	1.1	0.062	0.041	0.0057	Wasteland
Jand,Kandi	Twigs	1.1	0.053	0.035	0.0049	Wasteland
Jand,Kandi	Bark	1.1	0.053	0.035	0.0049	Wasteland
Jand,Kandi	Branches	1.1	0.053	0.035	0.0049	Wasteland
Shisham	Leaves	1.1	0.049	0.033	0.0046	Wasteland
Shisham	Twigs	1.1	0.042	0.028	0.0039	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	1.1	0.042	0.028	0.0039	Wasteland
Shisham	Branches	1.1	0.042	0.028	0.0039	Wasteland
Salvadora Spp.	Leaves	1.1	0.012	0.0081	0.0011	Wasteland
Salvadora Spp.	Twigs	1.1	0.011	0.0070	0.00098	Wasteland
Salvadora Spp.	Bark	1.1	0.011	0.0070	0.00098	Wasteland
Salvadora Spp.	Branches	1.1	0.011	0.0070	0.00098	Wasteland
Mango	Leaves	1.1	0.0082	0.0054	0.00076	Wasteland
Cottonwood	Leaves	1.1	0.0082	0.0054	0.00076	Wasteland
Neem	Leaves	1.1	0.0082	0.0054	0.00076	Wasteland
Umbrella Thorn Acacia	Leaves	1.1	0.0082	0.0054	0.00076	Wasteland
Mango	Twigs	1.1	0.0070	0.0046	0.00065	Wasteland
Mango	Bark	1.1	0.0070	0.0046	0.00065	Wasteland
Mango	Branches	1.1	0.0070	0.0046	0.00065	Wasteland
Cottonwood	Twigs	1.1	0.0070	0.0046	0.00065	Wasteland
Cottonwood	Bark	1.1	0.0070	0.0046	0.00065	Wasteland
Cottonwood	Branches	1.1	0.0070	0.0046	0.00065	Wasteland
Neem	Bark	1.1	0.0070	0.0046	0.00065	Wasteland
Neem	Branches	1.1	0.0070	0.0046	0.00065	Wasteland
Neem	Twigs	1.1	0.0070	0.0046	0.00065	Wasteland
Umbrella Thorn Acacia	Twigs	1.1	0.0070	0.0046	0.00065	Wasteland
Umbrella Thorn Acacia	Bark	1.1	0.0070	0.0046	0.00065	Wasteland
Umbrella Thorn Acacia	Branches	1.1	0.0070	0.0046	0.00065	Wasteland
Total		1.1	1.5	0.97	0.14	

Taluk level Residue-wise Data for Rewari ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	7.6	0.64	0.42	0.059	Wasteland
Eucalyptus	Leaves	7.6	0.61	0.40	0.056	Wasteland
Others	Leaves	7.6	0.55	0.36	0.051	Wasteland
Babul	Twigs	7.6	0.55	0.36	0.051	Wasteland
Babul	Bark	7.6	0.55	0.36	0.051	Wasteland
Babul	Branches	7.6	0.55	0.36	0.051	Wasteland
Eucalyptus	Twigs	7.6	0.52	0.35	0.048	Wasteland
Eucalyptus	Bark	7.6	0.52	0.35	0.048	Wasteland
Eucalyptus	Branches	7.6	0.52	0.35	0.048	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	7.6	0.47	0.31	0.044	Wasteland
Others	Bark	7.6	0.47	0.31	0.044	Wasteland
Others	Branches	7.6	0.47	0.31	0.044	Wasteland
Jand,Kandi	Leaves	7.6	0.44	0.29	0.041	Wasteland
Jand,Kandi	Twigs	7.6	0.37	0.25	0.034	Wasteland
Jand,Kandi	Bark	7.6	0.37	0.25	0.034	Wasteland
Jand,Kandi	Branches	7.6	0.37	0.25	0.034	Wasteland
Shisham	Leaves	7.6	0.35	0.23	0.032	Wasteland
Shisham	Twigs	7.6	0.30	0.20	0.028	Wasteland
Shisham	Bark	7.6	0.30	0.20	0.028	Wasteland
Shisham	Branches	7.6	0.30	0.20	0.028	Wasteland
Salvadora Spp.	Leaves	7.6	0.087	0.058	0.0081	Wasteland
Salvadora Spp.	Twigs	7.6	0.075	0.049	0.0069	Wasteland
Salvadora Spp.	Bark	7.6	0.075	0.049	0.0069	Wasteland
Salvadora Spp.	Branches	7.6	0.075	0.049	0.0069	Wasteland
Mango	Leaves	7.6	0.058	0.038	0.0054	Wasteland
Cottonwood	Leaves	7.6	0.058	0.038	0.0054	Wasteland
Neem	Leaves	7.6	0.058	0.038	0.0054	Wasteland
Umbrella Thorn Acacia	Leaves	7.6	0.058	0.038	0.0054	Wasteland
Mango	Twigs	7.6	0.050	0.033	0.0046	Wasteland
Mango	Bark	7.6	0.050	0.033	0.0046	Wasteland
Mango	Branches	7.6	0.050	0.033	0.0046	Wasteland
Cottonwood	Twigs	7.6	0.050	0.033	0.0046	Wasteland
Cottonwood	Bark	7.6	0.050	0.033	0.0046	Wasteland
Cottonwood	Branches	7.6	0.050	0.033	0.0046	Wasteland
Neem	Bark	7.6	0.050	0.033	0.0046	Wasteland
Neem	Branches	7.6	0.050	0.033	0.0046	Wasteland
Neem	Twigs	7.6	0.050	0.033	0.0046	Wasteland
Umbrella Thorn Acacia	Twigs	7.6	0.050	0.033	0.0046	Wasteland
Umbrella Thorn Acacia	Bark	7.6	0.050	0.033	0.0046	Wasteland
Umbrella Thorn Acacia	Branches	7.6	0.050	0.033	0.0046	Wasteland
Total		7.6	10.4	6.9	0.96	

Taluk level Residue-wise Data for Maham ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.9	0.16	0.11	0.015	Wasteland
Eucalyptus	Leaves	1.9	0.15	0.10	0.014	Wasteland
Others	Leaves	1.9	0.14	0.091	0.013	Wasteland
Babul	Twigs	1.9	0.14	0.091	0.013	Wasteland
Babul	Bark	1.9	0.14	0.091	0.013	Wasteland
Babul	Branches	1.9	0.14	0.091	0.013	Wasteland
Eucalyptus	Twigs	1.9	0.13	0.087	0.012	Wasteland
Eucalyptus	Bark	1.9	0.13	0.087	0.012	Wasteland
Eucalyptus	Branches	1.9	0.13	0.087	0.012	Wasteland
Others	Twigs	1.9	0.12	0.078	0.011	Wasteland
Others	Bark	1.9	0.12	0.078	0.011	Wasteland
Others	Branches	1.9	0.12	0.078	0.011	Wasteland
Jand,Kandi	Leaves	1.9	0.11	0.073	0.010	Wasteland
Jand,Kandi	Twigs	1.9	0.094	0.062	0.0086	Wasteland
Jand,Kandi	Bark	1.9	0.094	0.062	0.0086	Wasteland
Jand,Kandi	Branches	1.9	0.094	0.062	0.0086	Wasteland
Shisham	Leaves	1.9	0.087	0.058	0.0081	Wasteland
Shisham	Twigs	1.9	0.075	0.049	0.0069	Wasteland
Shisham	Bark	1.9	0.075	0.049	0.0069	Wasteland
Shisham	Branches	1.9	0.075	0.049	0.0069	Wasteland
Salvadora Spp.	Leaves	1.9	0.022	0.014	0.0020	Wasteland
Salvadora Spp.	Twigs	1.9	0.019	0.012	0.0017	Wasteland
Salvadora Spp.	Bark	1.9	0.019	0.012	0.0017	Wasteland
Salvadora Spp.	Branches	1.9	0.019	0.012	0.0017	Wasteland
Mango	Leaves	1.9	0.015	0.0096	0.0013	Wasteland
Cottonwood	Leaves	1.9	0.015	0.0096	0.0013	Wasteland
Neem	Leaves	1.9	0.015	0.0096	0.0013	Wasteland
Umbrella Thorn Acacia	Leaves	1.9	0.015	0.0096	0.0013	Wasteland
Mango	Twigs	1.9	0.012	0.0082	0.0012	Wasteland
Mango	Bark	1.9	0.012	0.0082	0.0012	Wasteland
Mango	Branches	1.9	0.012	0.0082	0.0012	Wasteland
Cottonwood	Twigs	1.9	0.012	0.0082	0.0012	Wasteland
Cottonwood	Bark	1.9	0.012	0.0082	0.0012	Wasteland
Cottonwood	Branches	1.9	0.012	0.0082	0.0012	Wasteland
Neem	Bark	1.9	0.012	0.0082	0.0012	Wasteland
Neem	Branches	1.9	0.012	0.0082	0.0012	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	1.9	0.012	0.0082	0.0012	Wasteland
Umbrella Thorn Acacia	Twigs	1.9	0.012	0.0082	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	1.9	0.012	0.0082	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	1.9	0.012	0.0082	0.0012	Wasteland
Total		1.9	2.6	1.7	0.24	

Taluk level Residue-wise Data for Rohtak ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	4.2	0.35	0.23	0.033	Wasteland
Eucalyptus	Leaves	4.2	0.34	0.22	0.031	Wasteland
Others	Leaves	4.2	0.30	0.20	0.028	Wasteland
Babul	Twigs	4.2	0.30	0.20	0.028	Wasteland
Babul	Bark	4.2	0.30	0.20	0.028	Wasteland
Babul	Branches	4.2	0.30	0.20	0.028	Wasteland
Eucalyptus	Twigs	4.2	0.29	0.19	0.027	Wasteland
Eucalyptus	Bark	4.2	0.29	0.19	0.027	Wasteland
Eucalyptus	Branches	4.2	0.29	0.19	0.027	Wasteland
Others	Twigs	4.2	0.26	0.17	0.024	Wasteland
Others	Bark	4.2	0.26	0.17	0.024	Wasteland
Others	Branches	4.2	0.26	0.17	0.024	Wasteland
Jand,Kandi	Leaves	4.2	0.24	0.16	0.022	Wasteland
Jand,Kandi	Twigs	4.2	0.21	0.14	0.019	Wasteland
Jand,Kandi	Bark	4.2	0.21	0.14	0.019	Wasteland
Jand,Kandi	Branches	4.2	0.21	0.14	0.019	Wasteland
Shisham	Leaves	4.2	0.19	0.13	0.018	Wasteland
Shisham	Twigs	4.2	0.16	0.11	0.015	Wasteland
Shisham	Bark	4.2	0.16	0.11	0.015	Wasteland
Shisham	Branches	4.2	0.16	0.11	0.015	Wasteland
Salvadora Spp.	Leaves	4.2	0.048	0.032	0.0044	Wasteland
Salvadora Spp.	Twigs	4.2	0.041	0.027	0.0038	Wasteland
Salvadora Spp.	Bark	4.2	0.041	0.027	0.0038	Wasteland
Salvadora Spp.	Branches	4.2	0.041	0.027	0.0038	Wasteland
Mango	Leaves	4.2	0.032	0.021	0.0030	Wasteland
Cottonwood	Leaves	4.2	0.032	0.021	0.0030	Wasteland
Neem	Leaves	4.2	0.032	0.021	0.0030	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	4.2	0.032	0.021	0.0030	Wasteland
Mango	Twigs	4.2	0.027	0.018	0.0025	Wasteland
Mango	Bark	4.2	0.027	0.018	0.0025	Wasteland
Mango	Branches	4.2	0.027	0.018	0.0025	Wasteland
Cottonwood	Twigs	4.2	0.027	0.018	0.0025	Wasteland
Cottonwood	Bark	4.2	0.027	0.018	0.0025	Wasteland
Cottonwood	Branches	4.2	0.027	0.018	0.0025	Wasteland
Neem	Bark	4.2	0.027	0.018	0.0025	Wasteland
Neem	Branches	4.2	0.027	0.018	0.0025	Wasteland
Neem	Twigs	4.2	0.027	0.018	0.0025	Wasteland
Umbrella Thorn Acacia	Twigs	4.2	0.027	0.018	0.0025	Wasteland
Umbrella Thorn Acacia	Bark	4.2	0.027	0.018	0.0025	Wasteland
Umbrella Thorn Acacia	Branches	4.2	0.027	0.018	0.0025	Wasteland
Total		4.2	5.7	3.8	0.53	

Taluk level Residue-wise Data for Dabwali ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	5.1	0.43	0.28	0.039	Wasteland
Eucalyptus	Leaves	5.1	0.41	0.27	0.038	Wasteland
Others	Leaves	5.1	0.37	0.24	0.034	Wasteland
Babul	Twigs	5.1	0.37	0.24	0.034	Wasteland
Babul	Bark	5.1	0.37	0.24	0.034	Wasteland
Babul	Branches	5.1	0.37	0.24	0.034	Wasteland
Eucalyptus	Twigs	5.1	0.35	0.23	0.032	Wasteland
Eucalyptus	Bark	5.1	0.35	0.23	0.032	Wasteland
Eucalyptus	Branches	5.1	0.35	0.23	0.032	Wasteland
Others	Twigs	5.1	0.32	0.21	0.029	Wasteland
Others	Bark	5.1	0.32	0.21	0.029	Wasteland
Others	Branches	5.1	0.32	0.21	0.029	Wasteland
Jand,Kandi	Leaves	5.1	0.29	0.19	0.027	Wasteland
Jand,Kandi	Twigs	5.1	0.25	0.16	0.023	Wasteland
Jand,Kandi	Bark	5.1	0.25	0.16	0.023	Wasteland
Jand,Kandi	Branches	5.1	0.25	0.16	0.023	Wasteland
Shisham	Leaves	5.1	0.23	0.15	0.021	Wasteland
Shisham	Twigs	5.1	0.20	0.13	0.018	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	5.1	0.20	0.13	0.018	Wasteland
Shisham	Branches	5.1	0.20	0.13	0.018	Wasteland
Salvadora Spp.	Leaves	5.1	0.058	0.038	0.0054	Wasteland
Salvadora Spp.	Twigs	5.1	0.050	0.033	0.0046	Wasteland
Salvadora Spp.	Bark	5.1	0.050	0.033	0.0046	Wasteland
Salvadora Spp.	Branches	5.1	0.050	0.033	0.0046	Wasteland
Mango	Leaves	5.1	0.039	0.026	0.0036	Wasteland
Cottonwood	Leaves	5.1	0.039	0.026	0.0036	Wasteland
Neem	Leaves	5.1	0.039	0.026	0.0036	Wasteland
Umbrella Thorn Acacia	Leaves	5.1	0.039	0.026	0.0036	Wasteland
Mango	Twigs	5.1	0.033	0.022	0.0031	Wasteland
Mango	Bark	5.1	0.033	0.022	0.0031	Wasteland
Mango	Branches	5.1	0.033	0.022	0.0031	Wasteland
Cottonwood	Twigs	5.1	0.033	0.022	0.0031	Wasteland
Cottonwood	Bark	5.1	0.033	0.022	0.0031	Wasteland
Cottonwood	Branches	5.1	0.033	0.022	0.0031	Wasteland
Neem	Bark	5.1	0.033	0.022	0.0031	Wasteland
Neem	Branches	5.1	0.033	0.022	0.0031	Wasteland
Neem	Twigs	5.1	0.033	0.022	0.0031	Wasteland
Umbrella Thorn Acacia	Twigs	5.1	0.033	0.022	0.0031	Wasteland
Umbrella Thorn Acacia	Bark	5.1	0.033	0.022	0.0031	Wasteland
Umbrella Thorn Acacia	Branches	5.1	0.033	0.022	0.0031	Wasteland
Total		5.1	6.9	4.6	0.64	

Taluk level Residue-wise Data for Sirsa ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	34.9	2.9	1.9	0.27	Wasteland
Eucalyptus	Leaves	34.9	2.8	1.9	0.26	Wasteland
Others	Leaves	34.9	2.5	1.7	0.24	Wasteland
Babul	Twigs	34.9	2.5	1.7	0.23	Wasteland
Babul	Bark	34.9	2.5	1.7	0.23	Wasteland
Babul	Branches	34.9	2.5	1.7	0.23	Wasteland
Eucalyptus	Twigs	34.9	2.4	1.6	0.22	Wasteland
Eucalyptus	Bark	34.9	2.4	1.6	0.22	Wasteland
Eucalyptus	Branches	34.9	2.4	1.6	0.22	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	34.9	2.2	1.4	0.20	Wasteland
Others	Bark	34.9	2.2	1.4	0.20	Wasteland
Others	Branches	34.9	2.2	1.4	0.20	Wasteland
Jand,Kandi	Leaves	34.9	2.0	1.3	0.19	Wasteland
Jand,Kandi	Twigs	34.9	1.7	1.1	0.16	Wasteland
Jand,Kandi	Bark	34.9	1.7	1.1	0.16	Wasteland
Jand,Kandi	Branches	34.9	1.7	1.1	0.16	Wasteland
Shisham	Leaves	34.9	1.6	1.1	0.15	Wasteland
Shisham	Twigs	34.9	1.4	0.91	0.13	Wasteland
Shisham	Bark	34.9	1.4	0.91	0.13	Wasteland
Shisham	Branches	34.9	1.4	0.91	0.13	Wasteland
Salvadora Spp.	Leaves	34.9	0.40	0.27	0.037	Wasteland
Salvadora Spp.	Twigs	34.9	0.34	0.23	0.032	Wasteland
Salvadora Spp.	Bark	34.9	0.34	0.23	0.032	Wasteland
Salvadora Spp.	Branches	34.9	0.34	0.23	0.032	Wasteland
Mango	Leaves	34.9	0.27	0.18	0.025	Wasteland
Cottonwood	Leaves	34.9	0.27	0.18	0.025	Wasteland
Neem	Leaves	34.9	0.27	0.18	0.025	Wasteland
Umbrella Thorn Acacia	Leaves	34.9	0.27	0.18	0.025	Wasteland
Mango	Twigs	34.9	0.23	0.15	0.021	Wasteland
Mango	Bark	34.9	0.23	0.15	0.021	Wasteland
Mango	Branches	34.9	0.23	0.15	0.021	Wasteland
Cottonwood	Twigs	34.9	0.23	0.15	0.021	Wasteland
Cottonwood	Bark	34.9	0.23	0.15	0.021	Wasteland
Cottonwood	Branches	34.9	0.23	0.15	0.021	Wasteland
Neem	Bark	34.9	0.23	0.15	0.021	Wasteland
Neem	Branches	34.9	0.23	0.15	0.021	Wasteland
Neem	Twigs	34.9	0.23	0.15	0.021	Wasteland
Umbrella Thorn Acacia	Twigs	34.9	0.23	0.15	0.021	Wasteland
Umbrella Thorn Acacia	Bark	34.9	0.23	0.15	0.021	Wasteland
Umbrella Thorn Acacia	Branches	34.9	0.23	0.15	0.021	Wasteland
Total		34.9	47.8	31.6	4.4	

Taluk level Residue-wise Data for Ganaur ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.070	0.0059	0.0039	0.00054	Wasteland
Eucalyptus	Leaves	0.070	0.0056	0.0037	0.00052	Wasteland
Others	Leaves	0.070	0.0051	0.0034	0.00047	Wasteland
Babul	Twigs	0.070	0.0050	0.0033	0.00047	Wasteland
Babul	Bark	0.070	0.0050	0.0033	0.00047	Wasteland
Babul	Branches	0.070	0.0050	0.0033	0.00047	Wasteland
Eucalyptus	Twigs	0.070	0.0048	0.0032	0.00044	Wasteland
Eucalyptus	Bark	0.070	0.0048	0.0032	0.00044	Wasteland
Eucalyptus	Branches	0.070	0.0048	0.0032	0.00044	Wasteland
Others	Twigs	0.070	0.0044	0.0029	0.00040	Wasteland
Others	Bark	0.070	0.0044	0.0029	0.00040	Wasteland
Others	Branches	0.070	0.0044	0.0029	0.00040	Wasteland
Jand,Kandi	Leaves	0.070	0.0040	0.0027	0.00037	Wasteland
Jand,Kandi	Twigs	0.070	0.0034	0.0023	0.00032	Wasteland
Jand,Kandi	Bark	0.070	0.0034	0.0023	0.00032	Wasteland
Jand,Kandi	Branches	0.070	0.0034	0.0023	0.00032	Wasteland
Shisham	Leaves	0.070	0.0032	0.0021	0.00030	Wasteland
Shisham	Twigs	0.070	0.0028	0.0018	0.00025	Wasteland
Shisham	Bark	0.070	0.0028	0.0018	0.00025	Wasteland
Shisham	Branches	0.070	0.0028	0.0018	0.00025	Wasteland
Salvadora Spp.	Leaves	0.070	0.00080	0.00053	7.42E-05	Wasteland
Salvadora Spp.	Twigs	0.070	0.00069	0.00045	6.36E-05	Wasteland
Salvadora Spp.	Bark	0.070	0.00069	0.00045	6.36E-05	Wasteland
Salvadora Spp.	Branches	0.070	0.00069	0.00045	6.36E-05	Wasteland
Mango	Leaves	0.070	0.00054	0.00035	4.94E-05	Wasteland
Cottonwood	Leaves	0.070	0.00054	0.00035	4.94E-05	Wasteland
Neem	Leaves	0.070	0.00054	0.00035	4.94E-05	Wasteland
Umbrella Thorn Acacia	Leaves	0.070	0.00054	0.00035	4.94E-05	Wasteland
Mango	Twigs	0.070	0.00046	0.00030	4.24E-05	Wasteland
Mango	Bark	0.070	0.00046	0.00030	4.24E-05	Wasteland
Mango	Branches	0.070	0.00046	0.00030	4.24E-05	Wasteland
Cottonwood	Twigs	0.070	0.00046	0.00030	4.24E-05	Wasteland
Cottonwood	Bark	0.070	0.00046	0.00030	4.24E-05	Wasteland
Cottonwood	Branches	0.070	0.00046	0.00030	4.24E-05	Wasteland
Neem	Bark	0.070	0.00046	0.00030	4.24E-05	Wasteland
Neem	Branches	0.070	0.00046	0.00030	4.24E-05	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Neem	Twigs	0.070	0.00046	0.00030	4.24E-05	Wasteland
Umbrella Thorn Acacia	Twigs	0.070	0.00046	0.00030	4.24E-05	Wasteland
Umbrella Thorn Acacia	Bark	0.070	0.00046	0.00030	4.24E-05	Wasteland
Umbrella Thorn Acacia	Branches	0.070	0.00046	0.00030	4.24E-05	Wasteland
Total		0.070	0.096	0.063	0.0088	

Taluk level Residue-wise Data for Gohana ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	0.41	0.034	0.023	0.0032	Wasteland
Eucalyptus	Leaves	0.41	0.033	0.022	0.0030	Wasteland
Others	Leaves	0.41	0.030	0.020	0.0027	Wasteland
Babul	Twigs	0.41	0.029	0.019	0.0027	Wasteland
Babul	Bark	0.41	0.029	0.019	0.0027	Wasteland
Babul	Branches	0.41	0.029	0.019	0.0027	Wasteland
Eucalyptus	Twigs	0.41	0.028	0.019	0.0026	Wasteland
Eucalyptus	Bark	0.41	0.028	0.019	0.0026	Wasteland
Eucalyptus	Branches	0.41	0.028	0.019	0.0026	Wasteland
Others	Twigs	0.41	0.025	0.017	0.0023	Wasteland
Others	Bark	0.41	0.025	0.017	0.0023	Wasteland
Others	Branches	0.41	0.025	0.017	0.0023	Wasteland
Jand,Kandi	Leaves	0.41	0.024	0.016	0.0022	Wasteland
Jand,Kandi	Twigs	0.41	0.020	0.013	0.0019	Wasteland
Jand,Kandi	Bark	0.41	0.020	0.013	0.0019	Wasteland
Jand,Kandi	Branches	0.41	0.020	0.013	0.0019	Wasteland
Shisham	Leaves	0.41	0.019	0.012	0.0017	Wasteland
Shisham	Twigs	0.41	0.016	0.011	0.0015	Wasteland
Shisham	Bark	0.41	0.016	0.011	0.0015	Wasteland
Shisham	Branches	0.41	0.016	0.011	0.0015	Wasteland
Salvadora Spp.	Leaves	0.41	0.0047	0.0031	0.00043	Wasteland
Salvadora Spp.	Twigs	0.41	0.0040	0.0026	0.00037	Wasteland
Salvadora Spp.	Bark	0.41	0.0040	0.0026	0.00037	Wasteland
Salvadora Spp.	Branches	0.41	0.0040	0.0026	0.00037	Wasteland
Mango	Leaves	0.41	0.0031	0.0021	0.00029	Wasteland
Cottonwood	Leaves	0.41	0.0031	0.0021	0.00029	Wasteland
Neem	Leaves	0.41	0.0031	0.0021	0.00029	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Umbrella Thorn Acacia	Leaves	0.41	0.0031	0.0021	0.00029	Wasteland
Mango	Twigs	0.41	0.0027	0.0018	0.00025	Wasteland
Mango	Bark	0.41	0.0027	0.0018	0.00025	Wasteland
Mango	Branches	0.41	0.0027	0.0018	0.00025	Wasteland
Cottonwood	Twigs	0.41	0.0027	0.0018	0.00025	Wasteland
Cottonwood	Bark	0.41	0.0027	0.0018	0.00025	Wasteland
Cottonwood	Branches	0.41	0.0027	0.0018	0.00025	Wasteland
Neem	Bark	0.41	0.0027	0.0018	0.00025	Wasteland
Neem	Branches	0.41	0.0027	0.0018	0.00025	Wasteland
Neem	Twigs	0.41	0.0027	0.0018	0.00025	Wasteland
Umbrella Thorn Acacia	Twigs	0.41	0.0027	0.0018	0.00025	Wasteland
Umbrella Thorn Acacia	Bark	0.41	0.0027	0.0018	0.00025	Wasteland
Umbrella Thorn Acacia	Branches	0.41	0.0027	0.0018	0.00025	Wasteland
Total		0.41	0.56	0.37	0.051	

Taluk level Residue-wise Data for Sonipat ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	3.4	0.29	0.19	0.026	Wasteland
Eucalyptus	Leaves	3.4	0.27	0.18	0.025	Wasteland
Others	Leaves	3.4	0.25	0.16	0.023	Wasteland
Babul	Twigs	3.4	0.25	0.16	0.023	Wasteland
Babul	Bark	3.4	0.25	0.16	0.023	Wasteland
Babul	Branches	3.4	0.25	0.16	0.023	Wasteland
Eucalyptus	Twigs	3.4	0.23	0.15	0.022	Wasteland
Eucalyptus	Bark	3.4	0.23	0.15	0.022	Wasteland
Eucalyptus	Branches	3.4	0.23	0.15	0.022	Wasteland
Others	Twigs	3.4	0.21	0.14	0.020	Wasteland
Others	Bark	3.4	0.21	0.14	0.020	Wasteland
Others	Branches	3.4	0.21	0.14	0.020	Wasteland
Jand,Kandi	Leaves	3.4	0.20	0.13	0.018	Wasteland
Jand,Kandi	Twigs	3.4	0.17	0.11	0.015	Wasteland
Jand,Kandi	Bark	3.4	0.17	0.11	0.015	Wasteland
Jand,Kandi	Branches	3.4	0.17	0.11	0.015	Wasteland
Shisham	Leaves	3.4	0.16	0.10	0.014	Wasteland
Shisham	Twigs	3.4	0.13	0.088	0.012	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Shisham	Bark	3.4	0.13	0.088	0.012	Wasteland
Shisham	Branches	3.4	0.13	0.088	0.012	Wasteland
Salvadora Spp.	Leaves	3.4	0.039	0.026	0.0036	Wasteland
Salvadora Spp.	Twigs	3.4	0.033	0.022	0.0031	Wasteland
Salvadora Spp.	Bark	3.4	0.033	0.022	0.0031	Wasteland
Salvadora Spp.	Branches	3.4	0.033	0.022	0.0031	Wasteland
Mango	Leaves	3.4	0.026	0.017	0.0024	Wasteland
Cottonwood	Leaves	3.4	0.026	0.017	0.0024	Wasteland
Neem	Leaves	3.4	0.026	0.017	0.0024	Wasteland
Umbrella Thorn Acacia	Leaves	3.4	0.026	0.017	0.0024	Wasteland
Mango	Twigs	3.4	0.022	0.015	0.0021	Wasteland
Mango	Bark	3.4	0.022	0.015	0.0021	Wasteland
Mango	Branches	3.4	0.022	0.015	0.0021	Wasteland
Cottonwood	Twigs	3.4	0.022	0.015	0.0021	Wasteland
Cottonwood	Bark	3.4	0.022	0.015	0.0021	Wasteland
Cottonwood	Branches	3.4	0.022	0.015	0.0021	Wasteland
Neem	Bark	3.4	0.022	0.015	0.0021	Wasteland
Neem	Branches	3.4	0.022	0.015	0.0021	Wasteland
Neem	Twigs	3.4	0.022	0.015	0.0021	Wasteland
Umbrella Thorn Acacia	Twigs	3.4	0.022	0.015	0.0021	Wasteland
Umbrella Thorn Acacia	Bark	3.4	0.022	0.015	0.0021	Wasteland
Umbrella Thorn Acacia	Branches	3.4	0.022	0.015	0.0021	Wasteland
Total		3.4	4.6	3.1	0.43	

Taluk level Residue-wise Data for Jagadiri ; Biomass Class : Wasteland						
Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Babul	Leaves	1.9	0.16	0.11	0.015	Wasteland
Eucalyptus	Leaves	1.9	0.16	0.10	0.014	Wasteland
Others	Leaves	1.9	0.14	0.093	0.013	Wasteland
Babul	Twigs	1.9	0.14	0.092	0.013	Wasteland
Babul	Bark	1.9	0.14	0.092	0.013	Wasteland
Babul	Branches	1.9	0.14	0.092	0.013	Wasteland
Eucalyptus	Twigs	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Bark	1.9	0.13	0.088	0.012	Wasteland
Eucalyptus	Branches	1.9	0.13	0.088	0.012	Wasteland

Species	Biomass	Area (kHa)	Biomass Generation (kT/Yr)	Biomass Surplus (kT/Yr)	Power Potential (MWe)	Biomass Class
Others	Twigs	1.9	0.12	0.080	0.011	Wasteland
Others	Bark	1.9	0.12	0.080	0.011	Wasteland
Others	Branches	1.9	0.12	0.080	0.011	Wasteland
Jand,Kandi	Leaves	1.9	0.11	0.074	0.010	Wasteland
Jand,Kandi	Twigs	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Bark	1.9	0.095	0.063	0.0088	Wasteland
Jand,Kandi	Branches	1.9	0.095	0.063	0.0088	Wasteland
Shisham	Leaves	1.9	0.089	0.059	0.0082	Wasteland
Shisham	Twigs	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Bark	1.9	0.076	0.050	0.0070	Wasteland
Shisham	Branches	1.9	0.076	0.050	0.0070	Wasteland
Salvadora Spp.	Leaves	1.9	0.022	0.015	0.0021	Wasteland
Salvadora Spp.	Twigs	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Bark	1.9	0.019	0.013	0.0018	Wasteland
Salvadora Spp.	Branches	1.9	0.019	0.013	0.0018	Wasteland
Mango	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Cottonwood	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Neem	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Umbrella Thorn Acacia	Leaves	1.9	0.015	0.0098	0.0014	Wasteland
Mango	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Mango	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Cottonwood	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Neem	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Twigs	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Bark	1.9	0.013	0.0084	0.0012	Wasteland
Umbrella Thorn Acacia	Branches	1.9	0.013	0.0084	0.0012	Wasteland
Total		1.9	2.6	1.7	0.24	

Note:**Agro, Kharif, Rabi and Yearly**

'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.

Forest and Wastelands:

The species wise area will be same for each class of forest because of the fact that the species are heterogeneously distributed in each packet of a state as given by FSI (Forest Survey of India). The assessed biomass potential for wasteland is a projection based on the species in a-forested area. For this assessment wasteland is considered as an extension of forest lands.