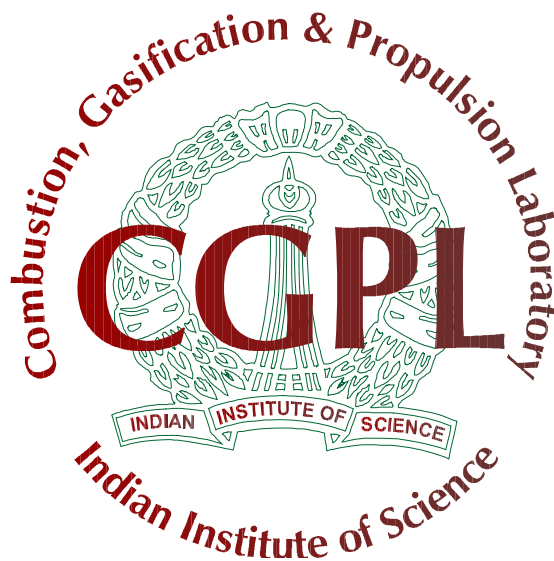


Biomass Mapping for Power Generation for Uttarakhand

Biomass Manual



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

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



Biomass Assessment for Uttarakhand

1. Kharif

| | |
|-------------------------------------|----|
| a. State-level Residue-wise----- | 01 |
| b. State-level District-wise----- | 02 |
| c. State-level Taluk-wise----- | 02 |
| d. District-level Residue-wise----- | 05 |
| e. District-level-Taluk-wise----- | 09 |
| f. Taluk-level Residue-wise----- | 14 |

2. Rabi

| | |
|-------------------------------------|----|
| a. State-level Residue-wise----- | 36 |
| b. State-level District-wise----- | 37 |
| c. State-level Taluk-wise----- | 37 |
| d. District-level Residue-wise----- | 40 |
| e. District-level-Taluk-wise----- | 43 |
| f. Taluk-level Residue-wise----- | 47 |

3. Yearly

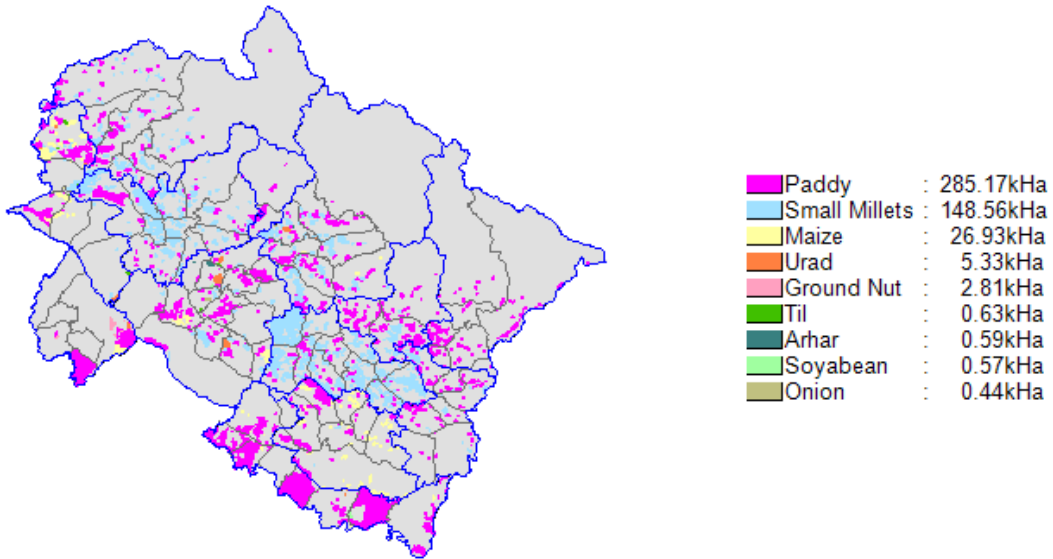
| | |
|-------------------------------------|----|
| a. State-level Residue-wise----- | 68 |
| b. State-level District-wise----- | 69 |
| c. State-level Taluk-wise----- | 69 |
| d. District-level Residue-wise----- | 70 |
| e. District-level-Taluk-wise----- | 71 |
| f. Taluk-level Residue-wise----- | 72 |

4. Agro

| | |
|-------------------------------------|----|
| a. State-level Residue-wise----- | 77 |
| b. State-level District-wise----- | 77 |
| c. State-level Taluk-wise----- | 78 |
| d. District-level Residue-wise----- | 81 |
| e. District-level-Taluk-wise----- | 85 |
| f. Taluk-level Residue-wise----- | 90 |

Kharif

Uttaranchal-Kharif



State Level Residue Wise

| State level Residue-wise Data for Uttaranchal; Season : Kharif | | | | | | |
|--|---------|--------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 285.2 | 649.9 | 975.5 | 243.9 | 29.3 |
| Paddy | Husk | 285.2 | 649.9 | 130.1 | 104.1 | 11.4 |
| Maize | Stalks | 26.9 | 39.2 | 78.4 | 31.4 | 4.1 |
| Smallmillets | Stalks | 148.6 | 194.4 | 233.5 | 23.3 | 3.0 |
| Maize | Cobs | 26.9 | 39.2 | 19.6 | 9.8 | 1.4 |
| Others | Others | 7.6 | 7.3 | 4.3 | 0.61 | 0.077 |
| Groundnut | Stalks | 2.8 | 2.5 | 5.0 | 0.50 | 0.065 |
| Groundnut | Shell | 2.8 | 2.5 | 0.75 | 0.53 | 0.063 |
| Total | | 471.1 | 893.3 | 1447.2 | 414.1 | 49.4 |

State Level District Wise

| State level District-wise Data for Uttarakhand ; Season : Kharif | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| District | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Udhamsinghnagar | 104.6 | 308.8 | 526.3 | 165.7 | 19.4 |
| Nainital | 25.6 | 62.1 | 119.3 | 42.0 | 5.2 |
| Haridwar | 32.4 | 75.9 | 133.9 | 42.4 | 5.0 |
| Dehradun | 28.6 | 52.6 | 97.1 | 32.6 | 4.0 |
| Pauri Garhwal | 54.2 | 71.4 | 112.5 | 33.4 | 4.0 |
| Uttar Kashi | 26.9 | 47.8 | 72.7 | 18.5 | 2.2 |
| Tehri Garhwal | 54.2 | 77.0 | 102.9 | 18.0 | 2.2 |
| Chamoli | 31.4 | 46.0 | 67.0 | 15.6 | 1.9 |
| Almora | 62.6 | 73.5 | 92.5 | 12.2 | 1.5 |
| Bagheshwar | 19.2 | 31.2 | 45.9 | 10.8 | 1.3 |
| Pithoragarh | 12.4 | 18.8 | 32.0 | 10.1 | 1.2 |
| Champawat | 11.3 | 16.5 | 25.6 | 6.7 | 0.80 |
| Rudraprayag | 7.7 | 11.5 | 19.6 | 6.2 | 0.72 |
| Total | 471.1 | 893.3 | 1447.2 | 414.1 | 49.4 |

State Level Taluk Wise

| State level Taluk-wise Data for Uttarakhand ; Season : Kharif | | | | | | |
|--|--------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Udhamsinghnagar | Sitrganj | 28.9 | 85.4 | 145.4 | 45.7 | 5.3 |
| Udhamsinghnagar | Gdarpur | 24.2 | 72.2 | 123.0 | 38.7 | 4.5 |
| Udhamsinghnagar | Jaspur | 19.1 | 56.8 | 96.7 | 30.4 | 3.6 |
| Udhamsinghnagar | Kashipur | 15.6 | 46.2 | 78.7 | 24.8 | 2.9 |
| Haridwar | Khanpur | 16.4 | 43.3 | 73.6 | 23.2 | 2.7 |
| Dehradun | Chakrota | 17.6 | 33.9 | 63.7 | 21.9 | 2.7 |
| Haridwar | Bahdrabad | 15.3 | 31.8 | 58.7 | 18.9 | 2.3 |
| Udhamsinghnagar | Ramgarh | 8.2 | 23.9 | 40.9 | 12.9 | 1.5 |
| Nainital | Betalghat | 7.9 | 21.6 | 37.8 | 12.2 | 1.5 |
| Nainital | Haldwani | 5.9 | 12.6 | 26.9 | 10.2 | 1.3 |
| Pauri Garhwal | Akeshwar | 14.0 | 18.9 | 32.2 | 10.1 | 1.2 |
| Udhamsinghnagar | Khatima | 6.4 | 18.6 | 31.8 | 10.1 | 1.2 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Dehradun | Vikasnagar | 6.4 | 12.9 | 24.5 | 8.6 | 1.1 |
| Tehri Garhwal | Jaunpur | 13.8 | 21.2 | 31.3 | 7.5 | 0.89 |
| Uttar Kashi | Naugaon | 9.0 | 16.5 | 26.1 | 7.2 | 0.85 |
| Nainital | Katabagh | 4.0 | 10.3 | 19.1 | 6.5 | 0.79 |
| Pauri Garhwal | Dwarikhal | 6.7 | 8.4 | 16.0 | 5.6 | 0.69 |
| Bagheshwar | Bageshwer | 13.5 | 21.6 | 29.6 | 5.6 | 0.68 |
| Uttar Kashi | Mori | 6.2 | 11.3 | 17.9 | 4.9 | 0.58 |
| Nainital | Okhal Kanda | 2.4 | 4.7 | 10.8 | 4.3 | 0.56 |
| Rudraprayag | Augustmuni | 4.9 | 7.3 | 12.4 | 3.9 | 0.46 |
| Nainital | Ram Nagar | 1.9 | 4.0 | 8.8 | 3.4 | 0.43 |
| Bagheshwar | Garur | 4.1 | 6.8 | 11.5 | 3.6 | 0.42 |
| Pauri Garhwal | Pokhra | 4.8 | 6.5 | 11.2 | 3.5 | 0.41 |
| Pithoragarh | Dharchula | 4.2 | 6.3 | 10.7 | 3.4 | 0.40 |
| Chamoli | Karanprayag | 4.7 | 6.9 | 11.3 | 3.2 | 0.38 |
| Pithoragarh | Berinag | 3.9 | 6.0 | 10.2 | 3.2 | 0.38 |
| Almora | Shiyalday | 19.6 | 22.8 | 27.7 | 2.9 | 0.37 |
| Chamoli | Dasoli | 5.0 | 7.6 | 11.8 | 3.1 | 0.37 |
| Chamoli | Gairsain | 6.1 | 9.0 | 13.2 | 3.1 | 0.37 |
| Uttar Kashi | Chinyali Sour | 4.8 | 8.3 | 12.3 | 2.9 | 0.35 |
| Pauri Garhwal | Nainidanda | 3.1 | 3.7 | 7.3 | 2.6 | 0.34 |
| Udhamsinghnagar | Rudrapur | 1.9 | 5.1 | 8.7 | 2.8 | 0.33 |
| Nainital | Ramgarh | 1.7 | 4.7 | 8.3 | 2.7 | 0.33 |
| Rudraprayag | Ukhimath | 2.8 | 4.3 | 7.2 | 2.3 | 0.26 |
| Pauri Garhwal | Pavo | 3.6 | 6.1 | 7.7 | 2.2 | 0.26 |
| Champawat | Gangahhat | 3.7 | 5.6 | 8.3 | 2.0 | 0.24 |
| Tehri Garhwal | Narender Nagar | 6.5 | 9.0 | 11.8 | 1.9 | 0.23 |
| Champawat | Pati | 2.8 | 3.9 | 6.5 | 2.0 | 0.23 |
| Tehri Garhwal | Jakholi | 4.1 | 6.2 | 8.8 | 1.9 | 0.23 |
| Nainital | Bhimtal | 1.2 | 2.9 | 5.4 | 1.9 | 0.23 |
| Almora | Bikyasain | 5.0 | 6.1 | 8.7 | 1.9 | 0.23 |
| Pauri Garhwal | Dugadda | 3.1 | 4.1 | 6.6 | 1.9 | 0.22 |
| Tehri Garhwal | Tholdhar | 8.0 | 10.9 | 13.6 | 1.7 | 0.22 |
| Almora | Salt | 8.5 | 10.0 | 12.6 | 1.7 | 0.21 |
| Chamoli | Narayan Bagad | 3.4 | 5.1 | 7.3 | 1.7 | 0.20 |
| Pauri Garhwal | Rikhnikhal | 4.1 | 4.2 | 6.4 | 1.6 | 0.19 |
| Chamoli | Tharali | 2.7 | 3.9 | 6.1 | 1.6 | 0.19 |
| Chamoli | Pokhri | 5.1 | 7.3 | 9.1 | 1.5 | 0.18 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|---------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Bagheshwar | Kapkote | 1.7 | 2.9 | 4.8 | 1.5 | 0.18 |
| Pauri Garhwal | Yamkeshwar | 2.2 | 2.9 | 4.8 | 1.5 | 0.17 |
| Uttar Kashi | Bhatwadi | 2.6 | 4.3 | 6.2 | 1.3 | 0.16 |
| Almora | Doladevi | 7.5 | 8.8 | 10.8 | 1.2 | 0.16 |
| Tehri Garhwal | Pratapnagar | 5.0 | 6.8 | 8.7 | 1.2 | 0.15 |
| Uttar Kashi | Purola | 2.5 | 4.2 | 6.0 | 1.3 | 0.15 |
| Chamoli | Ghat | 3.9 | 5.6 | 7.3 | 1.2 | 0.14 |
| Almora | Takula | 5.1 | 6.0 | 7.7 | 1.1 | 0.14 |
| Pauri Garhwal | Jahrikhal | 3.8 | 5.1 | 6.7 | 1.1 | 0.13 |
| Dehradun | Sahaspur | 0.75 | 1.0 | 2.5 | 1.0 | 0.13 |
| Pithoragarh | Nunakoti | 1.4 | 2.1 | 3.5 | 1.1 | 0.13 |
| Pauri Garhwal | Pauri | 3.4 | 2.4 | 4.1 | 1.1 | 0.13 |
| Tehri Garhwal | Chamba | 5.6 | 7.5 | 8.9 | 0.91 | 0.12 |
| Pithoragarh | Kauli Chhina | 1.2 | 1.9 | 3.2 | 0.99 | 0.12 |
| Almora | Lamgara | 4.5 | 5.3 | 6.7 | 0.93 | 0.12 |
| Pithoragarh | Gangahhat | 1.2 | 1.8 | 3.0 | 0.94 | 0.11 |
| Champawat | Munshyari | 1.5 | 2.3 | 3.5 | 0.90 | 0.11 |
| Almora | Dwarahat | 2.5 | 3.0 | 4.2 | 0.87 | 0.10 |
| Uttar Kashi | Dunda | 1.9 | 3.1 | 4.3 | 0.84 | 0.10 |
| Tehri Garhwal | Devprayag | 3.4 | 4.6 | 5.8 | 0.79 | 0.099 |
| Almora | Hawalbag | 4.6 | 5.4 | 6.6 | 0.77 | 0.098 |
| Tehri Garhwal | Jakhnidhar | 4.0 | 5.4 | 6.6 | 0.77 | 0.098 |
| Nainital | Dhari | 0.46 | 1.1 | 2.1 | 0.76 | 0.095 |
| Pauri Garhwal | Kot | 1.4 | 1.9 | 2.8 | 0.76 | 0.090 |
| Pauri Garhwal | Narayan Bagad | 1.8 | 1.9 | 2.9 | 0.73 | 0.087 |
| Champawat | Bin | 1.2 | 1.8 | 2.8 | 0.73 | 0.086 |
| Tehri Garhwal | Bhilangna | 2.4 | 3.3 | 4.3 | 0.69 | 0.085 |
| Tehri Garhwal | Kirtinagar | 1.4 | 2.1 | 2.9 | 0.61 | 0.073 |
| Dehradun | Kalsi | 1.9 | 2.6 | 3.5 | 0.57 | 0.073 |
| Champawat | Lohaghat | 1.1 | 1.7 | 2.5 | 0.59 | 0.070 |
| Dehradun | Doiwala | 1.8 | 1.9 | 2.6 | 0.46 | 0.059 |
| Almora | Thadikhet | 2.4 | 2.9 | 3.5 | 0.41 | 0.052 |
| Champawat | Barakoti | 0.61 | 0.89 | 1.4 | 0.37 | 0.043 |
| Pithoragarh | Didihat | 0.44 | 0.67 | 1.1 | 0.36 | 0.042 |
| Udhamsinghnagar | Katabagh | 0.21 | 0.60 | 1.0 | 0.32 | 0.038 |
| Pauri Garhwal | Kaljeekhal | 0.92 | 3.6 | 1.4 | 0.31 | 0.037 |
| Pauri Garhwal | Beeronkhal | 0.57 | 0.77 | 1.1 | 0.28 | 0.033 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|-------------|--------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Almora | Basiyachana | 1.4 | 1.7 | 2.1 | 0.25 | 0.031 |
| Haridwar | Narsan | 0.26 | 0.50 | 0.91 | 0.26 | 0.030 |
| Almora | Chukutia | 1.3 | 1.5 | 1.9 | 0.22 | 0.028 |
| Chamoli | Joshimath | 0.35 | 0.52 | 0.82 | 0.23 | 0.027 |
| Champawat | Champawat | 0.30 | 0.44 | 0.70 | 0.19 | 0.022 |
| Pauri Garhwal | Taalisain | 0.69 | 0.92 | 1.1 | 0.11 | 0.014 |
| Haridwar | Bhagwanpur | 0.26 | 0.21 | 0.46 | 0.082 | 0.010 |
| Pithoragarh | Munshyari | 0.097 | 0.15 | 0.25 | 0.079 | 0.0092 |
| Dehradun | Raipur | 0.12 | 0.16 | 0.25 | 0.062 | 0.0082 |
| Nainital | Bajpur | 0.019 | 0.033 | 0.082 | 0.035 | 0.0046 |
| Haridwar | Roorkee | 0.14 | 0.085 | 0.13 | 0.022 | 0.0027 |
| Udhamsinghnagar | Bajpur | 0.0022 | 0.0022 | 0.0055 | 0.0023 | 0.00031 |
| Haridwar | Luksar | 0.00028 | 0.00025 | 0.00057 | 0.00010 | 1.27E-05 |
| Total | | 471.1 | 893.3 | 1447.2 | 414.1 | 49.4 |

District Level Residue Wise

| District level Residue-wise Data for Almora; Season : Kharif | | | | | | |
|--|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 56.3 | 65.3 | 78.6 | 7.9 | 1.0 |
| Paddy | Straw | 6.3 | 8.2 | 12.3 | 3.1 | 0.37 |
| Paddy | Husk | 6.3 | 8.2 | 1.6 | 1.3 | 0.14 |
| Others | Others | 0.00036 | 0.00039 | 0.00097 | 0.00041 | 5.39E-05 |
| Total | | 62.6 | 73.5 | 92.5 | 12.2 | 1.5 |

| District level Residue-wise Data for Bagheshwar; Season : Kharif | | | | | | |
|--|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 10.1 | 16.9 | 25.4 | 6.3 | 0.76 |
| Paddy | Husk | 10.1 | 16.9 | 3.4 | 2.7 | 0.30 |
| Smallmillets | Stalks | 9.1 | 14.3 | 17.1 | 1.7 | 0.22 |
| Total | | 19.2 | 31.2 | 45.9 | 10.8 | 1.3 |

| District level Residue-wise Data for Chamoli; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.2 | 23.8 | 35.5 | 8.9 | 1.1 |
| Paddy | Husk | 15.2 | 23.8 | 4.7 | 3.8 | 0.42 |
| Smallmillets | Stalks | 15.1 | 21.1 | 25.4 | 2.5 | 0.33 |
| Others | Others | 1.0 | 1.1 | 1.3 | 0.40 | 0.052 |
| Total | | 31.4 | 46.0 | 67.0 | 15.6 | 1.9 |

| District level Residue-wise Data for Champawat; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 8.1 | 11.4 | 17.2 | 4.3 | 0.51 |
| Paddy | Husk | 8.1 | 11.4 | 2.3 | 1.8 | 0.20 |
| Smallmillets | Stalks | 3.2 | 5.1 | 6.1 | 0.61 | 0.080 |
| Total | | 11.3 | 16.5 | 25.6 | 6.7 | 0.80 |

| District level Residue-wise Data for Dehradun; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 14.6 | 34.9 | 52.4 | 13.1 | 1.6 |
| Maize | Stalks | 9.4 | 12.6 | 25.2 | 10.1 | 1.3 |
| Paddy | Husk | 14.6 | 34.9 | 7.0 | 5.6 | 0.62 |
| Maize | Cobs | 9.4 | 12.6 | 6.3 | 3.2 | 0.44 |
| Smallmillets | Stalks | 3.6 | 4.8 | 5.7 | 0.57 | 0.075 |
| Others | Others | 1.1 | 0.28 | 0.44 | 0.060 | 0.0076 |
| Total | | 28.6 | 52.6 | 97.1 | 32.6 | 4.0 |

| District level Residue-wise Data for Haridwar; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 25.9 | 68.5 | 102.6 | 25.7 | 3.1 |
| Paddy | Husk | 25.9 | 68.5 | 13.7 | 10.9 | 1.2 |
| Maize | Stalks | 2.8 | 4.5 | 8.9 | 3.6 | 0.47 |
| Maize | Cobs | 2.8 | 4.5 | 2.2 | 1.1 | 0.16 |
| Groundnut | Stalks | 2.8 | 2.5 | 5.0 | 0.50 | 0.065 |
| Groundnut | Shell | 2.8 | 2.5 | 0.75 | 0.53 | 0.063 |
| Others | Others | 0.79 | 0.43 | 0.55 | 0.089 | 0.011 |
| Total | | 32.4 | 75.9 | 133.9 | 42.4 | 5.0 |

| District level Residue-wise Data for Nainital; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.7 | 44.7 | 67.1 | 16.8 | 2.0 |
| Maize | Stalks | 9.7 | 17.1 | 34.3 | 13.7 | 1.8 |
| Paddy | Husk | 15.7 | 44.7 | 8.9 | 7.2 | 0.79 |
| Maize | Cobs | 9.7 | 17.1 | 8.6 | 4.3 | 0.60 |
| Others | Others | 0.21 | 0.30 | 0.36 | 0.036 | 0.0047 |
| Total | | 25.6 | 62.1 | 119.3 | 42.0 | 5.2 |

| District level Residue-wise Data for Pauri Garhwal; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 38.2 | 51.5 | 77.5 | 19.4 | 2.3 |
| Paddy | Husk | 38.2 | 51.5 | 10.3 | 8.3 | 0.91 |
| Maize | Stalks | 3.8 | 4.0 | 7.9 | 3.2 | 0.41 |
| Smallmillets | Stalks | 7.7 | 10.3 | 12.4 | 1.2 | 0.16 |
| Maize | Cobs | 3.8 | 4.0 | 2.0 | 0.98 | 0.14 |
| Others | Others | 4.4 | 5.6 | 2.4 | 0.34 | 0.043 |
| Total | | 54.2 | 71.4 | 112.5 | 33.4 | 4.0 |

| District level Residue-wise Data for Pithoragarh; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 12.4 | 18.8 | 28.2 | 7.1 | 0.85 |
| Paddy | Husk | 12.4 | 18.8 | 3.8 | 3.0 | 0.33 |
| Total | | 12.4 | 18.8 | 32.0 | 10.1 | 1.2 |

| District level Residue-wise Data for Rudraprayag; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 7.7 | 11.5 | 17.2 | 4.3 | 0.52 |
| Paddy | Husk | 7.7 | 11.5 | 2.3 | 1.8 | 0.20 |
| Others | Others | 0.041 | 0.051 | 0.062 | 0.0062 | 0.00080 |
| Total | | 7.7 | 11.5 | 19.6 | 6.2 | 0.72 |

| District level Residue-wise Data for Tehri Garhwal; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 12.0 | 20.9 | 31.4 | 7.8 | 0.94 |
| Smallmillets | Stalks | 42.1 | 56.1 | 67.2 | 6.7 | 0.87 |
| Paddy | Husk | 12.0 | 20.9 | 4.2 | 3.3 | 0.37 |
| Others | Others | 0.043 | 0.049 | 0.12 | 0.051 | 0.0068 |
| Total | | 54.2 | 77.0 | 102.9 | 18.0 | 2.2 |

| District level Residue-wise Data for Udhamasinghnagar; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 103.3 | 307.9 | 462.5 | 115.6 | 13.9 |
| Paddy | Husk | 103.3 | 307.9 | 61.7 | 49.3 | 5.4 |
| Maize | Stalks | 0.69 | 0.69 | 1.4 | 0.55 | 0.071 |
| Others | Others | 0.59 | 0.25 | 0.74 | 0.22 | 0.030 |
| Total | | 104.6 | 308.8 | 526.3 | 165.7 | 19.4 |

| District level Residue-wise Data for Uttar Kashi; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.7 | 30.8 | 46.1 | 11.5 | 1.4 |
| Paddy | Husk | 15.7 | 30.8 | 6.1 | 4.9 | 0.54 |
| Smallmillets | Stalks | 11.2 | 17.1 | 20.5 | 2.0 | 0.27 |
| Total | | 26.9 | 47.8 | 72.7 | 18.5 | 2.2 |

District Level Taluk Wise

| DistrictLevel Taluk-wise Data for Almora ; Season : Kharif | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Shiyalday | 19.6 | 22.8 | 27.7 | 2.9 | 0.37 |
| Bikyasain | 5.0 | 6.1 | 8.7 | 1.9 | 0.23 |
| Salt | 8.5 | 10.0 | 12.6 | 1.7 | 0.21 |
| Doladevi | 7.5 | 8.8 | 10.8 | 1.2 | 0.16 |
| Takula | 5.1 | 6.0 | 7.7 | 1.1 | 0.14 |
| Lamgara | 4.5 | 5.3 | 6.7 | 0.93 | 0.12 |
| Dwarahat | 2.5 | 3.0 | 4.2 | 0.87 | 0.10 |
| Hawalbag | 4.6 | 5.4 | 6.6 | 0.77 | 0.098 |
| Thadikhet | 2.4 | 2.9 | 3.5 | 0.41 | 0.052 |
| Basiyachana | 1.4 | 1.7 | 2.1 | 0.25 | 0.031 |
| Chukutia | 1.3 | 1.5 | 1.9 | 0.22 | 0.028 |
| Total | 62.6 | 73.5 | 92.5 | 12.2 | 1.5 |

| DistrictLevel Taluk-wise Data for Bagheshwar ; Season : Kharif | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Bageshwer | 13.5 | 21.6 | 29.6 | 5.6 | 0.68 |
| Garur | 4.1 | 6.8 | 11.5 | 3.6 | 0.42 |
| Kapkote | 1.7 | 2.9 | 4.8 | 1.5 | 0.18 |
| Total | 19.2 | 31.2 | 45.9 | 10.8 | 1.3 |

| DistrictLevel Taluk-wise Data for Chamoli ; Season : Kharif | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Karanprayag | 4.7 | 6.9 | 11.3 | 3.2 | 0.38 |
| Dasoli | 5.0 | 7.6 | 11.8 | 3.1 | 0.37 |
| Gairsain | 6.1 | 9.0 | 13.2 | 3.1 | 0.37 |
| Narayan Bagad | 3.4 | 5.1 | 7.3 | 1.7 | 0.20 |
| Tharali | 2.7 | 3.9 | 6.1 | 1.6 | 0.19 |
| Pokhri | 5.1 | 7.3 | 9.1 | 1.5 | 0.18 |
| Ghat | 3.9 | 5.6 | 7.3 | 1.2 | 0.14 |
| Joshimath | 0.35 | 0.52 | 0.82 | 0.23 | 0.027 |
| Total | 31.4 | 46.0 | 67.0 | 15.6 | 1.9 |

| DistrictLevel Taluk-wise Data for Champawat ; Season : Kharif | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Gangahhat | 3.7 | 5.6 | 8.3 | 2.0 | 0.24 |
| Pati | 2.8 | 3.9 | 6.5 | 2.0 | 0.23 |
| Munshyari | 1.5 | 2.3 | 3.5 | 0.90 | 0.11 |
| Bin | 1.2 | 1.8 | 2.8 | 0.73 | 0.086 |
| Lohaghat | 1.1 | 1.7 | 2.5 | 0.59 | 0.070 |
| Barakoti | 0.61 | 0.89 | 1.4 | 0.37 | 0.043 |
| Champawat | 0.30 | 0.44 | 0.70 | 0.19 | 0.022 |
| Total | 11.3 | 16.5 | 25.6 | 6.7 | 0.80 |

| DistrictLevel Taluk-wise Data for Dehradun ; Season : Kharif | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Chakrota | 17.6 | 33.9 | 63.7 | 21.9 | 2.7 |
| Vikasnagar | 6.4 | 12.9 | 24.5 | 8.6 | 1.1 |
| Sahaspur | 0.75 | 1.0 | 2.5 | 1.0 | 0.13 |
| Kalsi | 1.9 | 2.6 | 3.5 | 0.57 | 0.073 |
| Doiwala | 1.8 | 1.9 | 2.6 | 0.46 | 0.059 |
| Raipur | 0.12 | 0.16 | 0.25 | 0.062 | 0.0082 |
| Total | 28.6 | 52.6 | 97.1 | 32.6 | 4.0 |

| DistrictLevel Taluk-wise Data for Haridwar ; Season : Kharif | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Khanpur | 16.4 | 43.3 | 73.6 | 23.2 | 2.7 |
| Bahdrabad | 15.3 | 31.8 | 58.7 | 18.9 | 2.3 |
| Narsan | 0.26 | 0.50 | 0.91 | 0.26 | 0.030 |
| Bhagwanpur | 0.26 | 0.21 | 0.46 | 0.082 | 0.010 |
| Roorkee | 0.14 | 0.085 | 0.13 | 0.022 | 0.0027 |
| Luksar | 0.00028 | 0.00025 | 0.00057 | 0.00010 | 1.27E-05 |
| Total | 32.4 | 75.9 | 133.9 | 42.4 | 5.0 |

| DistrictLevel Taluk-wise Data for Nainital ; Season : Kharif | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Betalghat | 7.9 | 21.6 | 37.8 | 12.2 | 1.5 |
| Haldwani | 5.9 | 12.6 | 26.9 | 10.2 | 1.3 |
| Katabagh | 4.0 | 10.3 | 19.1 | 6.5 | 0.79 |
| Okhal Kanda | 2.4 | 4.7 | 10.8 | 4.3 | 0.56 |
| Ram Nagar | 1.9 | 4.0 | 8.8 | 3.4 | 0.43 |
| Ramgarh | 1.7 | 4.7 | 8.3 | 2.7 | 0.33 |
| Bhimal | 1.2 | 2.9 | 5.4 | 1.9 | 0.23 |
| Dhari | 0.46 | 1.1 | 2.1 | 0.76 | 0.095 |
| Bajpur | 0.019 | 0.033 | 0.082 | 0.035 | 0.0046 |
| Total | 25.6 | 62.1 | 119.3 | 42.0 | 5.2 |

| DistrictLevel Taluk-wise Data for Pauri Garhwal ; Season : Kharif | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Akeshwar | 14.0 | 18.9 | 32.2 | 10.1 | 1.2 |
| Dwarikhal | 6.7 | 8.4 | 16.0 | 5.6 | 0.69 |
| Pokhra | 4.8 | 6.5 | 11.2 | 3.5 | 0.41 |
| Nainidanda | 3.1 | 3.7 | 7.3 | 2.6 | 0.34 |
| Pavo | 3.6 | 6.1 | 7.7 | 2.2 | 0.26 |
| Dugadda | 3.1 | 4.1 | 6.6 | 1.9 | 0.22 |
| Rikhnikhal | 4.1 | 4.2 | 6.4 | 1.6 | 0.19 |
| Yamkeshwar | 2.2 | 2.9 | 4.8 | 1.5 | 0.17 |
| Jahrikhal | 3.8 | 5.1 | 6.7 | 1.1 | 0.13 |
| Pauri | 3.4 | 2.4 | 4.1 | 1.1 | 0.13 |
| Kot | 1.4 | 1.9 | 2.8 | 0.76 | 0.090 |
| Narayan Bagad | 1.8 | 1.9 | 2.9 | 0.73 | 0.087 |
| Kaljeekhal | 0.92 | 3.6 | 1.4 | 0.31 | 0.037 |
| Beeronkhal | 0.57 | 0.77 | 1.1 | 0.28 | 0.033 |
| Taalisain | 0.69 | 0.92 | 1.1 | 0.11 | 0.014 |
| Total | 54.2 | 71.4 | 112.5 | 33.4 | 4.0 |

| DistrictLevel Taluk-wise Data for Pithoragarh ; Season : Kharif | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Dharchula | 4.2 | 6.3 | 10.7 | 3.4 | 0.40 |
| Berinag | 3.9 | 6.0 | 10.2 | 3.2 | 0.38 |
| Nunakoti | 1.4 | 2.1 | 3.5 | 1.1 | 0.13 |
| Kauli Chhina | 1.2 | 1.9 | 3.2 | 0.99 | 0.12 |
| Gangahhat | 1.2 | 1.8 | 3.0 | 0.94 | 0.11 |
| Didihat | 0.44 | 0.67 | 1.1 | 0.36 | 0.042 |
| Munshyari | 0.097 | 0.15 | 0.25 | 0.079 | 0.0092 |
| Total | 12.4 | 18.8 | 32.0 | 10.1 | 1.2 |

| DistrictLevel Taluk-wise Data for Rudraprayag ; Season : Kharif | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Augustmuni | 4.9 | 7.3 | 12.4 | 3.9 | 0.46 |
| Ukhimath | 2.8 | 4.3 | 7.2 | 2.3 | 0.26 |
| Total | 7.7 | 11.5 | 19.6 | 6.2 | 0.72 |

| DistrictLevel Taluk-wise Data for Tehri Garhwal ; Season : Kharif | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Jaunpur | 13.8 | 21.2 | 31.3 | 7.5 | 0.89 |
| Narender Nagar | 6.5 | 9.0 | 11.8 | 1.9 | 0.23 |
| Jakholi | 4.1 | 6.2 | 8.8 | 1.9 | 0.23 |
| Tholdhar | 8.0 | 10.9 | 13.6 | 1.7 | 0.22 |
| Pratapnagar | 5.0 | 6.8 | 8.7 | 1.2 | 0.15 |
| Chamba | 5.6 | 7.5 | 8.9 | 0.91 | 0.12 |
| Devprayag | 3.4 | 4.6 | 5.8 | 0.79 | 0.099 |
| Jakhnidhar | 4.0 | 5.4 | 6.6 | 0.77 | 0.098 |
| Bhilangna | 2.4 | 3.3 | 4.3 | 0.69 | 0.085 |
| Kirtinagar | 1.4 | 2.1 | 2.9 | 0.61 | 0.073 |
| Total | 54.2 | 77.0 | 102.9 | 18.0 | 2.2 |

| DistrictLevel Taluk-wise Data for Udhamasinghnagar ; Season : Kharif | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sitrganj | 28.9 | 85.4 | 145.4 | 45.7 | 5.3 |
| Gdarpur | 24.2 | 72.2 | 123.0 | 38.7 | 4.5 |
| Jaspur | 19.1 | 56.8 | 96.7 | 30.4 | 3.6 |
| Kashipur | 15.6 | 46.2 | 78.7 | 24.8 | 2.9 |
| Ramgarh | 8.2 | 23.9 | 40.9 | 12.9 | 1.5 |
| Khatima | 6.4 | 18.6 | 31.8 | 10.1 | 1.2 |
| Rudrapur | 1.9 | 5.1 | 8.7 | 2.8 | 0.33 |
| Katabagh | 0.21 | 0.60 | 1.0 | 0.32 | 0.038 |
| Bajpur | 0.0022 | 0.0022 | 0.0055 | 0.0023 | 0.00031 |
| Total | 104.6 | 308.8 | 526.3 | 165.7 | 19.4 |

| DistrictLevel Taluk-wise Data for Uttar Kashi ; Season : Kharif | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Naugaon | 9.0 | 16.5 | 26.1 | 7.2 | 0.85 |
| Mori | 6.2 | 11.3 | 17.9 | 4.9 | 0.58 |
| Chinyali Sour | 4.8 | 8.3 | 12.3 | 2.9 | 0.35 |
| Bhatwadi | 2.6 | 4.3 | 6.2 | 1.3 | 0.16 |
| Purola | 2.5 | 4.2 | 6.0 | 1.3 | 0.15 |
| Dunda | 1.9 | 3.1 | 4.3 | 0.84 | 0.10 |
| Total | 26.9 | 47.8 | 72.7 | 18.5 | 2.2 |

Taluk Level Residue Wise

| Taluk level Residue-wise Data for Basiyachana ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.4 | 1.7 | 2.1 | 0.25 | 0.031 |
| Total | | 1.4 | 1.7 | 2.1 | 0.25 | 0.031 |

| Taluk level Residue-wise Data for Bikyasain ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.1 | 2.8 | 4.2 | 1.0 | 0.12 |
| Smallmillets | Stalks | 2.9 | 3.3 | 4.0 | 0.40 | 0.052 |
| Others | Others | 0 | 0 | 0.55 | 0.44 | 0.049 |
| Total | | 5.0 | 6.1 | 8.7 | 1.9 | 0.23 |

| Taluk level Residue-wise Data for Chukutia ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.3 | 1.5 | 1.9 | 0.22 | 0.028 |
| Total | | 1.3 | 1.5 | 1.9 | 0.22 | 0.028 |

| Taluk level Residue-wise Data for Doladevi ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 7.2 | 8.3 | 10.0 | 1.0 | 0.13 |
| Others | Others | 0.34 | 0.44 | 0.75 | 0.24 | 0.028 |
| Total | | 7.5 | 8.8 | 10.8 | 1.2 | 0.16 |

| Taluk level Residue-wise Data for Dwarahat ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 0.93 | 1.2 | 1.8 | 0.46 | 0.055 |
| Others | Others | 1.6 | 1.8 | 2.4 | 0.41 | 0.050 |
| Total | | 2.5 | 3.0 | 4.2 | 0.87 | 0.10 |

| Taluk level Residue-wise Data for Hawalbag ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 4.4 | 5.1 | 6.1 | 0.61 | 0.080 |
| Others | Others | 0.23 | 0.30 | 0.50 | 0.16 | 0.018 |
| Total | | 4.6 | 5.4 | 6.6 | 0.77 | 0.098 |

| Taluk level Residue-wise Data for Lamgara ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 4.0 | 4.6 | 5.5 | 0.55 | 0.072 |
| Others | Others | 0.54 | 0.71 | 1.2 | 0.38 | 0.044 |
| Total | | 4.5 | 5.3 | 6.7 | 0.93 | 0.12 |

| Taluk level Residue-wise Data for Salt ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 7.6 | 8.9 | 10.7 | 1.1 | 0.14 |
| Paddy | Straw | 0.85 | 1.1 | 1.7 | 0.42 | 0.050 |
| Others | Others | 0 | 0 | 0.22 | 0.18 | 0.020 |
| Total | | 8.5 | 10.0 | 12.6 | 1.7 | 0.21 |

| Taluk level Residue-wise Data for Shiyalday ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 19.4 | 22.5 | 27.0 | 2.7 | 0.35 |
| Others | Others | 0.28 | 0.37 | 0.62 | 0.20 | 0.023 |
| Total | | 19.6 | 22.8 | 27.7 | 2.9 | 0.37 |

| Taluk level Residue-wise Data for Takula ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 4.4 | 5.1 | 6.2 | 0.62 | 0.080 |
| Others | Others | 0.70 | 0.92 | 1.6 | 0.49 | 0.057 |
| Total | | 5.1 | 6.0 | 7.7 | 1.1 | 0.14 |

| Taluk level Residue-wise Data for Thadikhet ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.4 | 2.9 | 3.5 | 0.41 | 0.052 |
| Total | | 2.4 | 2.9 | 3.5 | 0.41 | 0.052 |

| Taluk level Residue-wise Data for Bageshwer ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.4 | 7.3 | 11.0 | 2.8 | 0.33 |
| Smallmillets | Stalks | 9.1 | 14.3 | 17.1 | 1.7 | 0.22 |
| Paddy | Husk | 4.4 | 7.3 | 1.5 | 1.2 | 0.13 |
| Total | | 13.5 | 21.6 | 29.6 | 5.6 | 0.68 |

| Taluk level Residue-wise Data for Garur ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.1 | 6.8 | 10.2 | 2.5 | 0.31 |
| Paddy | Husk | 4.1 | 6.8 | 1.4 | 1.1 | 0.12 |
| Total | | 4.1 | 6.8 | 11.5 | 3.6 | 0.42 |

| Taluk level Residue-wise Data for Kapkote ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.7 | 2.8 | 4.2 | 1.1 | 0.13 |
| Others | Others | 0.031 | 0.049 | 0.62 | 0.46 | 0.050 |
| Total | | 1.7 | 2.9 | 4.8 | 1.5 | 0.18 |

| Taluk level Residue-wise Data for Dasoli ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.5 | 5.4 | 8.1 | 2.0 | 0.24 |
| Paddy | Husk | 3.5 | 5.4 | 1.1 | 0.86 | 0.095 |
| Others | Others | 1.6 | 2.2 | 2.7 | 0.27 | 0.035 |
| Total | | 5.0 | 7.6 | 11.8 | 3.1 | 0.37 |

| Taluk level Residue-wise Data for Gairsain ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.1 | 4.8 | 7.2 | 1.8 | 0.22 |
| Paddy | Husk | 3.1 | 4.8 | 0.96 | 0.77 | 0.085 |
| Smallmillets | Stalks | 2.9 | 4.1 | 4.9 | 0.49 | 0.064 |
| Others | Others | 0.10 | 0.084 | 0.14 | 0.014 | 0.0019 |
| Total | | 6.1 | 9.0 | 13.2 | 3.1 | 0.37 |

| Taluk level Residue-wise Data for Ghat ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 3.1 | 4.4 | 5.3 | 0.53 | 0.069 |
| Paddy | Straw | 0.76 | 1.2 | 1.8 | 0.44 | 0.053 |
| Others | Others | 0 | 0 | 0.24 | 0.19 | 0.021 |
| Total | | 3.9 | 5.6 | 7.3 | 1.2 | 0.14 |

| Taluk level Residue-wise Data for Joshimath ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.35 | 0.52 | 0.82 | 0.23 | 0.027 |
| Total | | 0.35 | 0.52 | 0.82 | 0.23 | 0.027 |

| Taluk level Residue-wise Data for Karanprayag ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.4 | 5.4 | 8.0 | 2.0 | 0.24 |
| Paddy | Husk | 3.4 | 5.4 | 1.1 | 0.85 | 0.094 |
| Others | Others | 1.3 | 1.6 | 2.2 | 0.38 | 0.050 |
| Total | | 4.7 | 6.9 | 11.3 | 3.2 | 0.38 |

| Taluk level Residue-wise Data for Narayan Bagad ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.6 | 2.5 | 3.8 | 0.94 | 0.11 |
| Others | Others | 1.8 | 2.5 | 3.5 | 0.71 | 0.084 |
| Total | | 3.4 | 5.1 | 7.3 | 1.7 | 0.20 |

| Taluk level Residue-wise Data for Pokhri ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 3.7 | 5.1 | 6.1 | 0.61 | 0.080 |
| Paddy | Straw | 0.99 | 1.6 | 2.3 | 0.58 | 0.070 |
| Others | Others | 0.49 | 0.66 | 0.63 | 0.30 | 0.034 |
| Total | | 5.1 | 7.3 | 9.1 | 1.5 | 0.18 |

| Taluk level Residue-wise Data for Tharali ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.6 | 2.5 | 3.8 | 0.94 | 0.11 |
| Others | Others | 1.0 | 1.4 | 2.3 | 0.66 | 0.078 |
| Total | | 2.7 | 3.9 | 6.1 | 1.6 | 0.19 |

| Taluk level Residue-wise Data for Barakoti ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.61 | 0.89 | 1.4 | 0.37 | 0.043 |
| Total | | 0.61 | 0.89 | 1.4 | 0.37 | 0.043 |

| Taluk level Residue-wise Data for Bin ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 0.88 | 1.2 | 1.9 | 0.47 | 0.056 |
| Others | Others | 0.33 | 0.53 | 0.88 | 0.26 | 0.030 |
| Total | | 1.2 | 1.8 | 2.8 | 0.73 | 0.086 |

| Taluk level Residue-wise Data for Champawat ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.30 | 0.44 | 0.70 | 0.19 | 0.022 |
| Total | | 0.30 | 0.44 | 0.70 | 0.19 | 0.022 |

| Taluk level Residue-wise Data for Gangahhat ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.3 | 3.2 | 4.8 | 1.2 | 0.14 |
| Paddy | Husk | 2.3 | 3.2 | 0.64 | 0.51 | 0.056 |
| Others | Others | 1.5 | 2.4 | 2.9 | 0.29 | 0.037 |
| Total | | 3.7 | 5.6 | 8.3 | 2.0 | 0.24 |

| Taluk level Residue-wise Data for Lohaghat ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.1 | 1.7 | 2.5 | 0.59 | 0.070 |
| Total | | 1.1 | 1.7 | 2.5 | 0.59 | 0.070 |

| Taluk level Residue-wise Data for Munshyari ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.1 | 1.5 | 2.2 | 0.56 | 0.067 |
| Others | Others | 0.48 | 0.78 | 1.2 | 0.33 | 0.039 |
| Total | | 1.5 | 2.3 | 3.5 | 0.90 | 0.11 |

| Taluk level Residue-wise Data for Pati ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.6 | 3.6 | 5.4 | 1.4 | 0.16 |
| Paddy | Husk | 2.6 | 3.6 | 0.72 | 0.58 | 0.064 |
| Others | Others | 0.19 | 0.31 | 0.38 | 0.038 | 0.0049 |
| Total | | 2.8 | 3.9 | 6.5 | 2.0 | 0.23 |

| Taluk level Residue-wise Data for Chakrota ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 10.3 | 24.7 | 37.0 | 9.3 | 1.1 |
| Maize | Stalks | 6.1 | 8.1 | 16.3 | 6.5 | 0.85 |
| Paddy | Husk | 10.3 | 24.7 | 4.9 | 3.9 | 0.43 |
| Maize | Cobs | 6.1 | 8.1 | 4.1 | 2.0 | 0.28 |
| Others | Others | 1.3 | 1.1 | 1.4 | 0.15 | 0.019 |
| Total | | 17.6 | 33.9 | 63.7 | 21.9 | 2.7 |

| Taluk level Residue-wise Data for Doiwala ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.8 | 1.9 | 2.6 | 0.46 | 0.059 |
| Total | | 1.8 | 1.9 | 2.6 | 0.46 | 0.059 |

| Taluk level Residue-wise Data for Kalsi ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.9 | 2.6 | 3.5 | 0.57 | 0.073 |
| Total | | 1.9 | 2.6 | 3.5 | 0.57 | 0.073 |

| Taluk level Residue-wise Data for Raipur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.12 | 0.16 | 0.25 | 0.062 | 0.0082 |
| Total | | 0.12 | 0.16 | 0.25 | 0.062 | 0.0082 |

| Taluk level Residue-wise Data for Sahaspur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 0.67 | 0.90 | 1.8 | 0.72 | 0.094 |
| Others | Others | 0.081 | 0.14 | 0.69 | 0.29 | 0.040 |
| Total | | 0.75 | 1.0 | 2.5 | 1.0 | 0.13 |

| Taluk level Residue-wise Data for Vikasnagar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.0 | 9.7 | 14.5 | 3.6 | 0.43 |
| Maize | Stalks | 2.4 | 3.2 | 6.5 | 2.6 | 0.34 |
| Paddy | Husk | 4.0 | 9.7 | 1.9 | 1.5 | 0.17 |
| Maize | Cobs | 2.4 | 3.2 | 1.6 | 0.81 | 0.11 |
| Total | | 6.4 | 12.9 | 24.5 | 8.6 | 1.1 |

| Taluk level Residue-wise Data for Bahdrabad ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 9.4 | 24.8 | 37.1 | 9.3 | 1.1 |
| Maize | Stalks | 2.8 | 4.5 | 8.9 | 3.6 | 0.47 |
| Paddy | Husk | 9.4 | 24.8 | 4.9 | 4.0 | 0.44 |
| Maize | Cobs | 2.8 | 4.5 | 2.2 | 1.1 | 0.16 |
| Groundnut | Stalks | 2.5 | 2.2 | 4.4 | 0.44 | 0.057 |
| Groundnut | Shell | 2.5 | 2.2 | 0.66 | 0.46 | 0.055 |
| Others | Others | 0.62 | 0.33 | 0.43 | 0.070 | 0.0087 |
| Total | | 15.3 | 31.8 | 58.7 | 18.9 | 2.3 |

| Taluk level Residue-wise Data for Bhagwanpur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.26 | 0.21 | 0.46 | 0.082 | 0.010 |
| Total | | 0.26 | 0.21 | 0.46 | 0.082 | 0.010 |

| Taluk level Residue-wise Data for Khanpur ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 16.4 | 43.3 | 64.9 | 16.2 | 1.9 |
| Paddy | Husk | 16.4 | 43.3 | 8.7 | 6.9 | 0.76 |
| Others | Others | 0.019 | 0.017 | 0.040 | 0.0071 | 0.00089 |
| Total | | 16.4 | 43.3 | 73.6 | 23.2 | 2.7 |

| Taluk level Residue-wise Data for Luksar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.00028 | 0.00025 | 0.00057 | 0.00010 | 1.27E-05 |
| Total | | 0.00028 | 0.00025 | 0.00057 | 0.00010 | 1.27E-05 |

| Taluk level Residue-wise Data for Narsan ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.26 | 0.50 | 0.91 | 0.26 | 0.030 |
| Total | | 0.26 | 0.50 | 0.91 | 0.26 | 0.030 |

| Taluk level Residue-wise Data for Roorkee ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.14 | 0.085 | 0.13 | 0.022 | 0.0027 |
| Total | | 0.14 | 0.085 | 0.13 | 0.022 | 0.0027 |

| Taluk level Residue-wise Data for Bajpur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.019 | 0.033 | 0.082 | 0.035 | 0.0046 |
| Total | | 0.019 | 0.033 | 0.082 | 0.035 | 0.0046 |

| Taluk level Residue-wise Data for Betalghat ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 7.1 | 20.3 | 30.5 | 7.6 | 0.92 |
| Paddy | Husk | 7.1 | 20.3 | 4.1 | 3.3 | 0.36 |
| Maize | Stalks | 0.73 | 1.3 | 2.6 | 1.0 | 0.13 |
| Others | Others | 0.033 | 0.048 | 0.70 | 0.33 | 0.046 |
| Total | | 7.9 | 21.6 | 37.8 | 12.2 | 1.5 |

| Taluk level Residue-wise Data for Bhimtal ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 0.70 | 2.0 | 3.0 | 0.75 | 0.090 |
| Maize | Stalks | 0.41 | 0.72 | 1.4 | 0.58 | 0.075 |
| Others | Others | 0.13 | 0.19 | 0.99 | 0.52 | 0.063 |
| Total | | 1.2 | 2.9 | 5.4 | 1.9 | 0.23 |

| Taluk level Residue-wise Data for Dhari ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.46 | 1.1 | 2.1 | 0.76 | 0.095 |
| Total | | 0.46 | 1.1 | 2.1 | 0.76 | 0.095 |

| Taluk level Residue-wise Data for Haldwani ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 3.8 | 6.7 | 13.5 | 5.4 | 0.70 |
| Paddy | Straw | 2.1 | 5.9 | 8.8 | 2.2 | 0.26 |
| Maize | Cobs | 3.8 | 6.7 | 3.4 | 1.7 | 0.24 |
| Paddy | Husk | 2.1 | 5.9 | 1.2 | 0.94 | 0.10 |
| Others | Others | 0.039 | 0.056 | 0.067 | 0.0067 | 0.00087 |
| Total | | 5.9 | 12.6 | 26.9 | 10.2 | 1.3 |

| Taluk level Residue-wise Data for Katabagh ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.0 | 8.5 | 12.8 | 3.2 | 0.38 |
| Maize | Stalks | 1.0 | 1.8 | 3.7 | 1.5 | 0.19 |
| Paddy | Husk | 3.0 | 8.5 | 1.7 | 1.4 | 0.15 |
| Maize | Cobs | 1.0 | 1.8 | 0.92 | 0.46 | 0.064 |
| Others | Others | 0.0046 | 0.0067 | 0.0080 | 0.00080 | 0.00010 |
| Total | | 4.0 | 10.3 | 19.1 | 6.5 | 0.79 |

| Taluk level Residue-wise Data for Okhal Kanda ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 1.9 | 3.4 | 6.8 | 2.7 | 0.36 |
| Maize | Cobs | 1.9 | 3.4 | 1.7 | 0.85 | 0.12 |
| Paddy | Straw | 0.47 | 1.3 | 2.0 | 0.50 | 0.060 |
| Others | Others | 0 | 0 | 0.27 | 0.21 | 0.023 |
| Total | | 2.4 | 4.7 | 10.8 | 4.3 | 0.56 |

| Taluk level Residue-wise Data for Ram Nagar ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 1.3 | 2.4 | 4.7 | 1.9 | 0.25 |
| Maize | Cobs | 1.3 | 2.4 | 1.2 | 0.59 | 0.083 |
| Paddy | Straw | 0.59 | 1.7 | 2.5 | 0.63 | 0.076 |
| Others | Others | 0 | 0 | 0.34 | 0.27 | 0.030 |
| Total | | 1.9 | 4.0 | 8.8 | 3.4 | 0.43 |

| Taluk level Residue-wise Data for Ramgarh ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.5 | 4.3 | 6.4 | 1.6 | 0.19 |
| Paddy | Husk | 1.5 | 4.3 | 0.86 | 0.69 | 0.075 |
| Others | Others | 0.24 | 0.42 | 1.1 | 0.44 | 0.059 |
| Total | | 1.7 | 4.7 | 8.3 | 2.7 | 0.33 |

| Taluk level Residue-wise Data for Akeshwar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 14.0 | 18.9 | 28.4 | 7.1 | 0.85 |
| Paddy | Husk | 14.0 | 18.9 | 3.8 | 3.0 | 0.33 |
| Total | | 14.0 | 18.9 | 32.2 | 10.1 | 1.2 |

| Taluk level Residue-wise Data for Beeronkhal ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.57 | 0.77 | 1.1 | 0.28 | 0.033 |
| Total | | 0.57 | 0.77 | 1.1 | 0.28 | 0.033 |

| Taluk level Residue-wise Data for Dugadda ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.4 | 3.3 | 5.0 | 1.2 | 0.15 |
| Paddy | Husk | 2.4 | 3.3 | 0.66 | 0.53 | 0.058 |
| Others | Others | 0.61 | 0.81 | 0.97 | 0.097 | 0.013 |
| Total | | 3.1 | 4.1 | 6.6 | 1.9 | 0.22 |

| Taluk level Residue-wise Data for Dwarikhhal ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.6 | 6.2 | 9.4 | 2.3 | 0.28 |
| Maize | Stalks | 2.1 | 2.2 | 4.3 | 1.7 | 0.22 |
| Paddy | Husk | 4.6 | 6.2 | 1.3 | 1.0 | 0.11 |
| Maize | Cobs | 2.1 | 2.2 | 1.1 | 0.54 | 0.075 |
| Total | | 6.7 | 8.4 | 16.0 | 5.6 | 0.69 |

| Taluk level Residue-wise Data for Jahrikhal ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 2.9 | 3.9 | 4.7 | 0.47 | 0.061 |
| Paddy | Straw | 0.86 | 1.2 | 1.7 | 0.44 | 0.052 |
| Others | Others | 0 | 0 | 0.23 | 0.19 | 0.021 |
| Total | | 3.8 | 5.1 | 6.7 | 1.1 | 0.13 |

| Taluk level Residue-wise Data for Kaljeekhal ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.92 | 3.6 | 1.4 | 0.31 | 0.037 |
| Total | | 0.92 | 3.6 | 1.4 | 0.31 | 0.037 |

| Taluk level Residue-wise Data for Kot ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 0.96 | 1.3 | 1.9 | 0.49 | 0.058 |
| Others | Others | 0.40 | 0.64 | 0.89 | 0.28 | 0.032 |
| Total | | 1.4 | 1.9 | 2.8 | 0.76 | 0.090 |

| Taluk level Residue-wise Data for Nainidanda ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 1.7 | 1.8 | 3.6 | 1.4 | 0.19 |
| Maize | Cobs | 1.7 | 1.8 | 0.89 | 0.45 | 0.062 |
| Paddy | Straw | 0.92 | 1.2 | 1.9 | 0.47 | 0.056 |
| Others | Others | 0.48 | 0.64 | 1.0 | 0.28 | 0.032 |
| Total | | 3.1 | 3.7 | 7.3 | 2.6 | 0.34 |

| Taluk level Residue-wise Data for Narayan Bagad ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 0.88 | 1.2 | 1.8 | 0.45 | 0.054 |
| Others | Others | 0.91 | 0.73 | 1.1 | 0.29 | 0.033 |
| Total | | 1.8 | 1.9 | 2.9 | 0.73 | 0.087 |

| Taluk level Residue-wise Data for Pauri ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.2 | 1.6 | 2.4 | 0.59 | 0.071 |
| Others | Others | 2.2 | 0.81 | 1.8 | 0.46 | 0.054 |
| Total | | 3.4 | 2.4 | 4.1 | 1.1 | 0.13 |

| Taluk level Residue-wise Data for Pavo ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.9 | 3.9 | 5.9 | 1.5 | 0.18 |
| Paddy | Husk | 2.9 | 3.9 | 0.78 | 0.63 | 0.069 |
| Others | Others | 0.75 | 2.2 | 1.1 | 0.11 | 0.014 |
| Total | | 3.6 | 6.1 | 7.7 | 2.2 | 0.26 |

| Taluk level Residue-wise Data for Pokhra ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.8 | 6.5 | 9.8 | 2.5 | 0.30 |
| Paddy | Husk | 4.8 | 6.5 | 1.3 | 1.0 | 0.12 |
| Total | | 4.8 | 6.5 | 11.2 | 3.5 | 0.41 |

| Taluk level Residue-wise Data for Rikhnikhil ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.0 | 2.6 | 4.0 | 0.99 | 0.12 |
| Others | Others | 2.2 | 1.5 | 2.4 | 0.64 | 0.074 |
| Total | | 4.1 | 4.2 | 6.4 | 1.6 | 0.19 |

| Taluk level Residue-wise Data for Taalisain ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.69 | 0.92 | 1.1 | 0.11 | 0.014 |
| Total | | 0.69 | 0.92 | 1.1 | 0.11 | 0.014 |

| Taluk level Residue-wise Data for Yamkeshwar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.0 | 2.6 | 4.0 | 0.99 | 0.12 |
| Others | Others | 0.20 | 0.26 | 0.85 | 0.46 | 0.051 |
| Total | | 2.2 | 2.9 | 4.8 | 1.5 | 0.17 |

| Taluk level Residue-wise Data for Berinag ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.9 | 6.0 | 9.0 | 2.2 | 0.27 |
| Paddy | Husk | 3.9 | 6.0 | 1.2 | 0.96 | 0.11 |
| Total | | 3.9 | 6.0 | 10.2 | 3.2 | 0.38 |

| Taluk level Residue-wise Data for Dharchula ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.2 | 6.3 | 9.5 | 2.4 | 0.28 |
| Paddy | Husk | 4.2 | 6.3 | 1.3 | 1.0 | 0.11 |
| Total | | 4.2 | 6.3 | 10.7 | 3.4 | 0.40 |

| Taluk level Residue-wise Data for Didihat ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.44 | 0.67 | 1.1 | 0.36 | 0.042 |
| Total | | 0.44 | 0.67 | 1.1 | 0.36 | 0.042 |

| Taluk level Residue-wise Data for Gangahhat ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.2 | 1.8 | 2.6 | 0.66 | 0.079 |
| Others | Others | 0 | 0 | 0.35 | 0.28 | 0.031 |
| Total | | 1.2 | 1.8 | 3.0 | 0.94 | 0.11 |

| Taluk level Residue-wise Data for Kauli Chhina ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.2 | 1.9 | 2.8 | 0.70 | 0.084 |
| Others | Others | 0 | 0 | 0.37 | 0.30 | 0.033 |
| Total | | 1.2 | 1.9 | 3.2 | 0.99 | 0.12 |

| Taluk level Residue-wise Data for Munshyari ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.097 | 0.15 | 0.25 | 0.079 | 0.0092 |
| Total | | 0.097 | 0.15 | 0.25 | 0.079 | 0.0092 |

| Taluk level Residue-wise Data for Nunakoti ; 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 | 2.1 | 3.1 | 0.78 | 0.093 |
| Others | Others | 0 | 0 | 0.42 | 0.33 | 0.037 |
| Total | | 1.4 | 2.1 | 3.5 | 1.1 | 0.13 |

| Taluk level Residue-wise Data for Augustmuni ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.9 | 7.3 | 10.9 | 2.7 | 0.33 |
| Paddy | Husk | 4.9 | 7.3 | 1.5 | 1.2 | 0.13 |
| Total | | 4.9 | 7.3 | 12.4 | 3.9 | 0.46 |

| Taluk level Residue-wise Data for Ukhimath ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.8 | 4.2 | 6.3 | 1.6 | 0.19 |
| Paddy | Husk | 2.8 | 4.2 | 0.84 | 0.67 | 0.074 |
| Others | Others | 0.041 | 0.051 | 0.062 | 0.0062 | 0.00080 |
| Total | | 2.8 | 4.3 | 7.2 | 2.3 | 0.26 |

| Taluk level Residue-wise Data for Bhilangna ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.4 | 3.3 | 4.3 | 0.69 | 0.085 |
| Total | | 2.4 | 3.3 | 4.3 | 0.69 | 0.085 |

| Taluk level Residue-wise Data for Chamba ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 5.6 | 7.4 | 8.9 | 0.89 | 0.12 |
| Others | Others | 0.017 | 0.029 | 0.049 | 0.016 | 0.0018 |
| Total | | 5.6 | 7.5 | 8.9 | 0.91 | 0.12 |

| Taluk level Residue-wise Data for Devprayag ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 3.1 | 4.1 | 4.9 | 0.49 | 0.064 |
| Others | Others | 0.32 | 0.56 | 0.95 | 0.30 | 0.035 |
| Total | | 3.4 | 4.6 | 5.8 | 0.79 | 0.099 |

| Taluk level Residue-wise Data for Jakhnidhar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 3.8 | 5.1 | 6.1 | 0.61 | 0.079 |
| Others | Others | 0.17 | 0.29 | 0.50 | 0.16 | 0.018 |
| Total | | 4.0 | 5.4 | 6.6 | 0.77 | 0.098 |

| Taluk level Residue-wise Data for Jakholi ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.6 | 2.8 | 4.3 | 1.1 | 0.13 |
| Smallmillets | Stalks | 2.5 | 3.3 | 4.0 | 0.40 | 0.052 |
| Others | Others | 0 | 0 | 0.57 | 0.45 | 0.050 |
| Total | | 4.1 | 6.2 | 8.8 | 1.9 | 0.23 |

| Taluk level Residue-wise Data for Jaunpur ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 6.8 | 11.8 | 17.6 | 4.4 | 0.53 |
| Paddy | Husk | 6.8 | 11.8 | 2.3 | 1.9 | 0.21 |
| Smallmillets | Stalks | 7.0 | 9.4 | 11.2 | 1.1 | 0.15 |
| Others | Others | 0.039 | 0.044 | 0.11 | 0.046 | 0.0061 |
| Total | | 13.8 | 21.2 | 31.3 | 7.5 | 0.89 |

| Taluk level Residue-wise Data for Kirtinagar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.4 | 2.1 | 2.9 | 0.61 | 0.073 |
| Total | | 1.4 | 2.1 | 2.9 | 0.61 | 0.073 |

| Taluk level Residue-wise Data for Narender Nagar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 5.3 | 7.1 | 8.5 | 0.85 | 0.11 |
| Paddy | Straw | 1.1 | 1.9 | 2.9 | 0.73 | 0.087 |
| Others | Others | 0 | 0 | 0.39 | 0.31 | 0.034 |
| Total | | 6.5 | 9.0 | 11.8 | 1.9 | 0.23 |

| Taluk level Residue-wise Data for Pratapnagar ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 4.4 | 5.9 | 7.0 | 0.70 | 0.092 |
| Others | Others | 0.55 | 0.96 | 1.6 | 0.51 | 0.060 |
| Total | | 5.0 | 6.8 | 8.7 | 1.2 | 0.15 |

| Taluk level Residue-wise Data for Tholdhar ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 7.5 | 10.0 | 11.9 | 1.2 | 0.16 |
| Others | Others | 0.56 | 0.97 | 1.7 | 0.52 | 0.061 |
| Total | | 8.0 | 10.9 | 13.6 | 1.7 | 0.22 |

| Taluk level Residue-wise Data for Bajpur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.0022 | 0.0022 | 0.0055 | 0.0023 | 0.00031 |
| Total | | 0.0022 | 0.0022 | 0.0055 | 0.0023 | 0.00031 |

| Taluk level Residue-wise Data for Gdarpur ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 24.2 | 72.2 | 108.5 | 27.1 | 3.3 |
| Paddy | Husk | 24.2 | 72.2 | 14.5 | 11.6 | 1.3 |
| Total | | 24.2 | 72.2 | 123.0 | 38.7 | 4.5 |

| Taluk level Residue-wise Data for Jaspur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 19.0 | 56.8 | 85.3 | 21.3 | 2.6 |
| Paddy | Husk | 19.0 | 56.8 | 11.4 | 9.1 | 1.0 |
| Others | Others | 0.071 | 0.018 | 0.024 | 0.0043 | 0.00055 |
| Total | | 19.1 | 56.8 | 96.7 | 30.4 | 3.6 |

| Taluk level Residue-wise Data for Kashipur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.5 | 46.1 | 69.3 | 17.3 | 2.1 |
| Paddy | Husk | 15.5 | 46.1 | 9.2 | 7.4 | 0.81 |
| Others | Others | 0.091 | 0.091 | 0.23 | 0.096 | 0.013 |
| Total | | 15.6 | 46.2 | 78.7 | 24.8 | 2.9 |

| Taluk level Residue-wise Data for Katabagh ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.21 | 0.60 | 1.0 | 0.32 | 0.038 |
| Total | | 0.21 | 0.60 | 1.0 | 0.32 | 0.038 |

| Taluk level Residue-wise Data for Khatima ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 6.2 | 18.5 | 27.7 | 6.9 | 0.83 |
| Paddy | Husk | 6.2 | 18.5 | 3.7 | 3.0 | 0.33 |
| Others | Others | 0.16 | 0.16 | 0.40 | 0.17 | 0.022 |
| Total | | 6.4 | 18.6 | 31.8 | 10.1 | 1.2 |

| Taluk level Residue-wise Data for Ramgarh ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 7.9 | 23.6 | 35.4 | 8.8 | 1.1 |
| Paddy | Husk | 7.9 | 23.6 | 4.7 | 3.8 | 0.42 |
| Others | Others | 0.34 | 0.31 | 0.76 | 0.31 | 0.041 |
| Total | | 8.2 | 23.9 | 40.9 | 12.9 | 1.5 |

| Taluk level Residue-wise Data for Rudrapur ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.6 | 4.9 | 7.4 | 1.8 | 0.22 |
| Paddy | Husk | 1.6 | 4.9 | 0.98 | 0.79 | 0.086 |
| Others | Others | 0.27 | 0.17 | 0.39 | 0.15 | 0.020 |
| Total | | 1.9 | 5.1 | 8.7 | 2.8 | 0.33 |

| Taluk level Residue-wise Data for Sitrganj ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 28.6 | 85.2 | 128.1 | 32.0 | 3.8 |
| Paddy | Husk | 28.6 | 85.2 | 17.1 | 13.7 | 1.5 |
| Others | Others | 0.34 | 0.17 | 0.29 | 0.030 | 0.0039 |
| Total | | 28.9 | 85.4 | 145.4 | 45.7 | 5.3 |

| Taluk level Residue-wise Data for Bhatwadi ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.0 | 2.0 | 3.0 | 0.75 | 0.090 |
| Others | Others | 1.5 | 2.3 | 3.2 | 0.60 | 0.071 |
| Total | | 2.6 | 4.3 | 6.2 | 1.3 | 0.16 |

| Taluk level Residue-wise Data for Chinyali Sour ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.4 | 4.7 | 7.0 | 1.7 | 0.21 |
| Paddy | Husk | 2.4 | 4.7 | 0.93 | 0.74 | 0.082 |
| Smallmillets | Stalks | 2.4 | 3.6 | 4.4 | 0.44 | 0.057 |
| Total | | 4.8 | 8.3 | 12.3 | 2.9 | 0.35 |

| Taluk level Residue-wise Data for Dunda ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 0.58 | 1.1 | 1.7 | 0.43 | 0.051 |
| Others | Others | 1.3 | 2.0 | 2.6 | 0.42 | 0.051 |
| Total | | 1.9 | 3.1 | 4.3 | 0.84 | 0.10 |

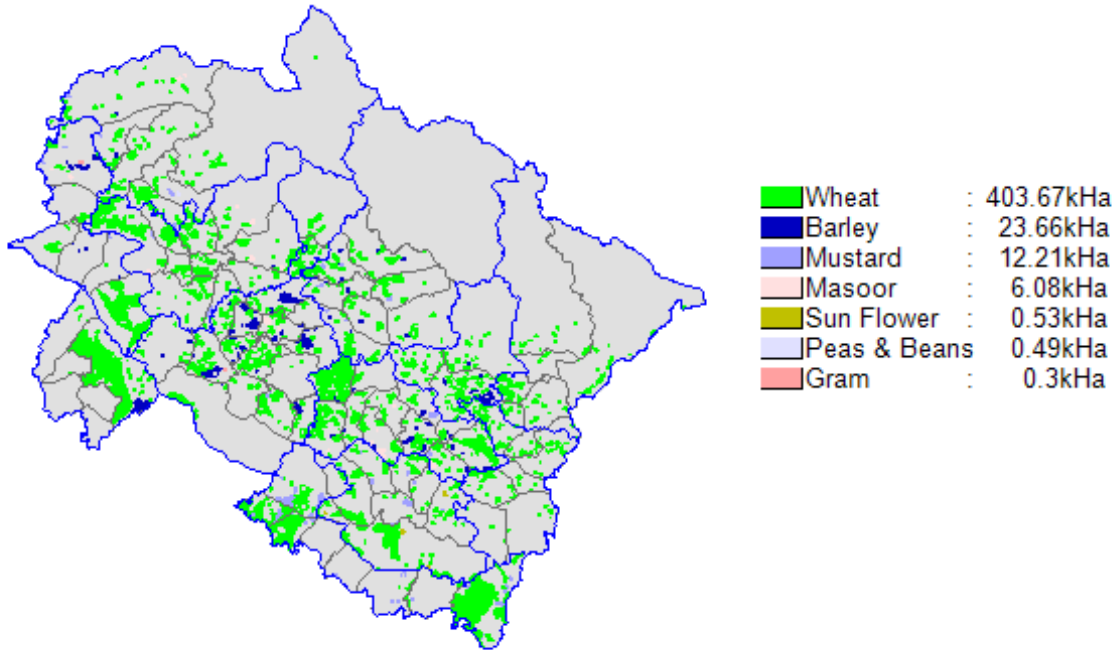
| Taluk level Residue-wise Data for Mori ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.4 | 8.6 | 12.9 | 3.2 | 0.39 |
| Paddy | Husk | 4.4 | 8.6 | 1.7 | 1.4 | 0.15 |
| Others | Others | 1.8 | 2.7 | 3.2 | 0.32 | 0.042 |
| Total | | 6.2 | 11.3 | 17.9 | 4.9 | 0.58 |

| Taluk level Residue-wise Data for Naugaon ; Season : Kharif | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 6.4 | 12.5 | 18.8 | 4.7 | 0.56 |
| Paddy | Husk | 6.4 | 12.5 | 2.5 | 2.0 | 0.22 |
| Smallmillets | Stalks | 2.6 | 4.0 | 4.8 | 0.48 | 0.062 |
| Total | | 9.0 | 16.5 | 26.1 | 7.2 | 0.85 |

| Taluk level Residue-wise Data for Purola ; Season : Kharif | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 0.92 | 1.8 | 2.7 | 0.68 | 0.081 |
| Others | Others | 1.6 | 2.4 | 3.3 | 0.58 | 0.070 |
| Total | | 2.5 | 4.2 | 6.0 | 1.3 | 0.15 |

Rabi

Uttaranchal-Rabi



State Level Residue Wise

| State level Residue-wise Data for Uttaranchal; Season : Rabi | | | | | | |
|--|---------|--------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 403.7 | 706.2 | 211.7 | 105.8 | 14.8 |
| Wheat | Stalks | 403.7 | 706.2 | 1058.4 | 105.8 | 13.8 |
| Mustard | Husk | 12.2 | 10.4 | 5.3 | 5.0 | 0.60 |
| Barley | Stalks | 23.7 | 27.3 | 35.4 | 3.5 | 0.46 |
| Mustard | Stalks | 12.2 | 10.4 | 18.6 | 2.8 | 0.36 |
| Masoor | Stalks | 6.1 | 4.5 | 8.0 | 0.80 | 0.10 |
| Others | Others | 1.3 | 1.6 | 2.1 | 0.46 | 0.060 |
| Total | | 447.0 | 749.9 | 1339.5 | 224.3 | 30.2 |

State Level District Wise

| State level District-wise Data for Uttarakhand ; Season : Rabi | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| District | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Udhamsinghnagar | 91.1 | 272.3 | 492.1 | 83.9 | 11.3 |
| Haridwar | 49.0 | 122.7 | 216.3 | 35.2 | 4.8 |
| Nainital | 32.4 | 69.4 | 126.0 | 21.7 | 2.9 |
| Pauri Garhwal | 63.8 | 61.3 | 105.8 | 16.9 | 2.3 |
| Almora | 53.3 | 46.3 | 82.1 | 13.4 | 1.8 |
| Dehradun | 27.1 | 38.4 | 68.0 | 11.4 | 1.5 |
| Tehri Garhwal | 40.6 | 37.2 | 66.6 | 11.3 | 1.5 |
| Chamoli | 21.5 | 24.5 | 43.3 | 7.2 | 0.97 |
| Uttar Kashi | 18.0 | 19.0 | 34.2 | 5.9 | 0.79 |
| Bagheshwar | 18.6 | 20.6 | 35.9 | 5.8 | 0.78 |
| Champawat | 11.8 | 17.4 | 31.2 | 5.2 | 0.70 |
| Pithoragarh | 12.3 | 12.9 | 23.4 | 3.9 | 0.53 |
| Rudraprayag | 7.5 | 8.0 | 14.5 | 2.4 | 0.33 |
| Total | 447.0 | 749.9 | 1339.5 | 224.3 | 30.2 |

State Level Taluk Wise

| State level Taluk-wise Data for Uttarakhand ; Season : Rabi | | | | | | |
|--|--------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Udhamsinghnagar | Khatima | 39.9 | 123.6 | 222.6 | 37.3 | 5.0 |
| Haridwar | Bahdrabad | 48.6 | 121.7 | 214.4 | 34.9 | 4.7 |
| Udhamsinghnagar | Jaspur | 19.9 | 61.1 | 110.1 | 18.5 | 2.5 |
| Udhamsinghnagar | Kashipur | 15.8 | 48.5 | 87.5 | 14.7 | 2.0 |
| Udhamsinghnagar | Ramgarh | 13.1 | 33.0 | 60.9 | 11.3 | 1.5 |
| Nainital | Haldwani | 15.8 | 35.2 | 63.5 | 10.6 | 1.4 |
| Dehradun | Doiwala | 20.0 | 29.3 | 52.4 | 8.7 | 1.2 |
| Almora | Shiyalday | 19.4 | 17.1 | 30.6 | 5.1 | 0.69 |
| Pauri Garhwal | Akeshwar | 14.3 | 14.4 | 26.0 | 4.3 | 0.58 |
| Bagheshwar | Bageshwar | 13.5 | 15.0 | 26.0 | 4.2 | 0.56 |
| Nainital | Katabagh | 6.0 | 13.3 | 24.0 | 4.1 | 0.55 |
| Tehri Garhwal | Jaunpur | 13.4 | 12.3 | 22.2 | 3.8 | 0.51 |
| Pauri Garhwal | Kot | 6.9 | 6.9 | 12.5 | 2.1 | 0.29 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|----------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Almora | Salt | 7.8 | 6.9 | 12.3 | 2.0 | 0.27 |
| Pauri Garhwal | Dwarikhal | 7.8 | 7.3 | 12.3 | 1.9 | 0.26 |
| Almora | Doladevi | 7.3 | 6.4 | 11.3 | 1.8 | 0.25 |
| Nainital | Okhal Kanda | 2.6 | 5.0 | 9.3 | 1.7 | 0.23 |
| Uttar Kashi | Naugaon | 5.2 | 5.6 | 10.0 | 1.7 | 0.23 |
| Chamoli | Pokhri | 5.0 | 5.7 | 10.1 | 1.7 | 0.22 |
| Champawat | Gangahhat | 3.8 | 5.5 | 9.9 | 1.7 | 0.22 |
| Pauri Garhwal | Rikhnikhal | 5.0 | 5.0 | 9.2 | 1.6 | 0.22 |
| Rudraprayag | Augustmuni | 4.9 | 5.3 | 9.5 | 1.6 | 0.21 |
| Tehri Garhwal | Narender Nagar | 5.7 | 5.2 | 9.3 | 1.5 | 0.21 |
| Nainital | Ramgarh | 2.2 | 4.9 | 8.8 | 1.5 | 0.20 |
| Uttar Kashi | Chinyali Sour | 4.3 | 4.5 | 8.2 | 1.4 | 0.19 |
| Champawat | Pati | 3.0 | 4.5 | 8.0 | 1.3 | 0.18 |
| Chamoli | Ghat | 3.8 | 4.3 | 7.9 | 1.3 | 0.18 |
| Tehri Garhwal | Tholdhar | 4.8 | 4.4 | 7.9 | 1.3 | 0.18 |
| Nainital | Ram Nagar | 2.0 | 4.3 | 7.7 | 1.3 | 0.18 |
| Chamoli | Gairsain | 3.8 | 4.3 | 7.7 | 1.3 | 0.18 |
| Nainital | Betalghat | 2.0 | 3.7 | 6.9 | 1.3 | 0.17 |
| Pithoragarh | Berinag | 4.1 | 4.3 | 7.7 | 1.3 | 0.17 |
| Pithoragarh | Dharchula | 4.0 | 4.2 | 7.6 | 1.3 | 0.17 |
| Dehradun | Chakrota | 3.5 | 4.2 | 6.7 | 1.2 | 0.16 |
| Uttar Kashi | Mori | 3.5 | 3.6 | 6.5 | 1.2 | 0.15 |
| Chamoli | Dasoli | 3.4 | 3.9 | 6.9 | 1.1 | 0.15 |
| Bagheshwar | Garur | 3.3 | 3.6 | 6.5 | 1.1 | 0.15 |
| Tehri Garhwal | Pratapnagar | 4.0 | 3.6 | 6.5 | 1.1 | 0.14 |
| Pauri Garhwal | Dugadda | 3.6 | 3.6 | 6.4 | 1.1 | 0.14 |
| Pauri Garhwal | Pavo | 4.4 | 4.1 | 7.0 | 1.0 | 0.14 |
| Tehri Garhwal | Jakhnidhar | 3.8 | 3.5 | 6.2 | 1.0 | 0.14 |
| Pauri Garhwal | Narayan Bagad | 5.1 | 4.6 | 7.2 | 1.0 | 0.14 |
| Almora | Takula | 4.4 | 3.7 | 6.5 | 0.97 | 0.13 |
| Rudraprayag | Ukhimath | 2.6 | 2.8 | 5.0 | 0.83 | 0.11 |
| Nainital | Bhintal | 1.3 | 1.9 | 3.7 | 0.87 | 0.11 |
| Udhamsinghnagar | Sitrganj | 0.99 | 2.3 | 4.3 | 0.82 | 0.11 |
| Dehradun | Vikasnagar | 1.7 | 2.6 | 4.7 | 0.78 | 0.11 |
| Almora | Hawalbag | 3.6 | 3.1 | 5.1 | 0.76 | 0.10 |
| Pauri Garhwal | Yamkeshwar | 2.7 | 2.6 | 4.6 | 0.74 | 0.10 |
| Tehri Garhwal | Jakholi | 2.9 | 2.6 | 4.6 | 0.72 | 0.097 |
| Pauri Garhwal | Kaljeekhal | 2.8 | 2.6 | 4.5 | 0.69 | 0.093 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|---------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Almora | Bikyasain | 2.7 | 2.3 | 4.2 | 0.69 | 0.093 |
| Tehri Garhwal | Devprayag | 1.9 | 1.7 | 3.3 | 0.72 | 0.093 |
| Almora | Lamgara | 2.8 | 2.3 | 4.2 | 0.70 | 0.092 |
| Champawat | Munshyari | 1.5 | 2.3 | 4.1 | 0.68 | 0.092 |
| Pauri Garhwal | Nainidanda | 2.6 | 2.5 | 4.2 | 0.65 | 0.088 |
| Uttar Kashi | Purola | 2.0 | 2.1 | 3.7 | 0.64 | 0.086 |
| Chamoli | Tharali | 1.9 | 2.2 | 3.9 | 0.63 | 0.084 |
| Champawat | Bin | 1.4 | 2.1 | 3.7 | 0.62 | 0.084 |
| Pauri Garhwal | Taalishain | 3.2 | 2.8 | 4.4 | 0.62 | 0.083 |
| Udhamsinghnagar | Rudrapur | 0.74 | 1.6 | 3.1 | 0.61 | 0.080 |
| Dehradun | Kalsi | 1.3 | 1.9 | 3.4 | 0.59 | 0.079 |
| Uttar Kashi | Bhatwadi | 1.8 | 1.9 | 3.4 | 0.57 | 0.077 |
| Bagheshwar | Kapkote | 1.7 | 1.9 | 3.4 | 0.56 | 0.076 |
| Chamoli | Narayan Bagad | 1.7 | 2.0 | 3.4 | 0.55 | 0.075 |
| Chamoli | Karanprayag | 1.8 | 2.0 | 3.4 | 0.55 | 0.073 |
| Udhamsinghnagar | Katabagh | 0.56 | 1.8 | 3.1 | 0.52 | 0.071 |
| Pauri Garhwal | Pauri | 3.5 | 2.9 | 4.2 | 0.53 | 0.070 |
| Almora | Thadikhet | 1.8 | 1.4 | 2.7 | 0.54 | 0.070 |
| Champawat | Lohaghat | 1.1 | 1.6 | 2.9 | 0.49 | 0.066 |
| Uttar Kashi | Dunda | 1.3 | 1.4 | 2.4 | 0.48 | 0.063 |
| Tehri Garhwal | Bhilangna | 1.8 | 1.6 | 2.5 | 0.44 | 0.058 |
| Pithoragarh | Nunakoti | 1.4 | 1.4 | 2.6 | 0.43 | 0.058 |
| Tehri Garhwal | Chamba | 1.5 | 1.4 | 2.5 | 0.42 | 0.057 |
| Pithoragarh | Kauli Chhina | 1.2 | 1.3 | 2.3 | 0.39 | 0.052 |
| Pithoragarh | Gangahhat | 1.2 | 1.2 | 2.2 | 0.36 | 0.049 |
| Almora | Dwarahat | 1.3 | 1.1 | 2.0 | 0.33 | 0.044 |
| Nainital | Dhari | 0.46 | 0.97 | 1.8 | 0.31 | 0.041 |
| Pauri Garhwal | Jahrikhal | 0.98 | 0.99 | 1.8 | 0.30 | 0.040 |
| Champawat | Barakoti | 0.61 | 0.90 | 1.6 | 0.27 | 0.036 |
| Tehri Garhwal | Kirtinagar | 0.93 | 0.85 | 1.5 | 0.25 | 0.034 |
| Almora | Basiyachana | 1.1 | 0.97 | 1.6 | 0.25 | 0.033 |
| Almora | Chukutia | 0.98 | 0.86 | 1.5 | 0.25 | 0.033 |
| Pauri Garhwal | Beeronkhal | 0.71 | 0.72 | 1.3 | 0.22 | 0.029 |
| Haridwar | Bhagwanpur | 0.26 | 0.64 | 1.2 | 0.19 | 0.026 |
| Champawat | Champawat | 0.33 | 0.49 | 0.88 | 0.15 | 0.020 |
| Pithoragarh | Didihat | 0.44 | 0.46 | 0.83 | 0.14 | 0.019 |
| Haridwar | Roorkee | 0.14 | 0.35 | 0.64 | 0.11 | 0.014 |
| Udhamsinghnagar | Gdarpur | 0.12 | 0.30 | 0.56 | 0.10 | 0.014 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|-----------|--------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Dehradun | Raipur | 0.21 | 0.23 | 0.43 | 0.098 | 0.012 |
| Pauri Garhwal | Pokhra | 0.19 | 0.19 | 0.34 | 0.057 | 0.0078 |
| Dehradun | Sahaspur | 0.26 | 0.25 | 0.36 | 0.054 | 0.0070 |
| Pithoragarh | Munshyari | 0.097 | 0.10 | 0.18 | 0.031 | 0.0041 |
| Haridwar | Khanpur | 0.019 | 0.048 | 0.086 | 0.014 | 0.0019 |
| Nainital | Bajpur | 0.019 | 0.042 | 0.076 | 0.013 | 0.0017 |
| Chamoli | Joshimath | 0.039 | 0.045 | 0.072 | 0.010 | 0.0014 |
| Udhamsinghnagar | Bajpur | 0.0022 | 0.0018 | 0.0042 | 0.0014 | 0.00017 |
| Haridwar | Narsan | 0.00077 | 0.0019 | 0.0034 | 0.00057 | 7.63E-05 |
| Haridwar | Luksar | 0.00028 | 0.00068 | 0.0012 | 0.00021 | 2.77E-05 |
| Total | | 447.0 | 749.9 | 1339.5 | 224.3 | 30.2 |

District Level Residue Wise

| District level Residue-wise Data for Almora; Season : Rabi | | | | | | |
|---|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 46.4 | 40.8 | 12.3 | 6.1 | 0.86 |
| Wheat | Stalks | 46.4 | 40.8 | 61.3 | 6.1 | 0.80 |
| Others | Others | 6.9 | 5.5 | 8.6 | 1.2 | 0.15 |
| Total | | 53.3 | 46.3 | 82.1 | 13.4 | 1.8 |

| District level Residue-wise Data for Bagheshwar; Season : Rabi | | | | | | |
|---|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 16.8 | 18.5 | 5.5 | 2.8 | 0.39 |
| Wheat | Stalks | 16.8 | 18.5 | 27.7 | 2.8 | 0.36 |
| Others | Others | 1.7 | 2.0 | 2.6 | 0.26 | 0.034 |
| Total | | 18.6 | 20.6 | 35.9 | 5.8 | 0.78 |

| District level Residue-wise Data for Chamoli; Season : Rabi | | | | | | |
|--|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 19.2 | 22.0 | 6.6 | 3.3 | 0.46 |
| Wheat | Stalks | 19.2 | 22.0 | 33.1 | 3.3 | 0.43 |
| Others | Others | 2.3 | 2.4 | 3.6 | 0.57 | 0.072 |
| Total | | 21.5 | 24.5 | 43.3 | 7.2 | 0.97 |

| District level Residue-wise Data for Champawat; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 11.8 | 17.4 | 5.2 | 2.6 | 0.36 |
| Wheat | Stalks | 11.8 | 17.4 | 26.0 | 2.6 | 0.34 |
| Total | | 11.8 | 17.4 | 31.2 | 5.2 | 0.70 |

| District level Residue-wise Data for Dehradun; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 23.8 | 35.4 | 10.6 | 5.3 | 0.74 |
| Wheat | Stalks | 23.8 | 35.4 | 52.9 | 5.3 | 0.69 |
| Others | Others | 3.3 | 3.0 | 4.5 | 0.79 | 0.10 |
| Total | | 27.1 | 38.4 | 68.0 | 11.4 | 1.5 |

| District level Residue-wise Data for Haridwar; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 46.1 | 113.4 | 34.0 | 17.0 | 2.4 |
| Wheat | Stalks | 46.1 | 113.4 | 170.2 | 17.0 | 2.2 |
| Barley | Stalks | 2.9 | 9.3 | 12.1 | 1.2 | 0.16 |
| Total | | 49.0 | 122.7 | 216.3 | 35.2 | 4.8 |

| District level Residue-wise Data for Nainital; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 29.4 | 66.5 | 19.9 | 10.0 | 1.4 |
| Wheat | Stalks | 29.4 | 66.5 | 99.7 | 10.0 | 1.3 |
| Mustard | Husk | 2.4 | 2.1 | 1.1 | 1.0 | 0.12 |
| Mustard | Stalks | 2.4 | 2.1 | 3.8 | 0.57 | 0.074 |
| Others | Others | 0.54 | 0.71 | 1.4 | 0.14 | 0.019 |
| Total | | 32.4 | 69.4 | 126.0 | 21.7 | 2.9 |

| District level Residue-wise Data for Pauri Garhwal; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 50.4 | 50.9 | 15.3 | 7.6 | 1.1 |
| Wheat | Stalks | 50.4 | 50.9 | 76.4 | 7.6 | 0.99 |
| Barley | Stalks | 11.9 | 9.2 | 11.9 | 1.2 | 0.15 |
| Others | Others | 1.5 | 1.2 | 2.3 | 0.49 | 0.062 |
| Total | | 63.8 | 61.3 | 105.8 | 16.9 | 2.3 |

| District level Residue-wise Data for Pithoragarh; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 12.3 | 12.9 | 3.9 | 1.9 | 0.27 |
| Wheat | Stalks | 12.3 | 12.9 | 19.5 | 1.9 | 0.25 |
| Total | | 12.3 | 12.9 | 23.4 | 3.9 | 0.53 |

| District level Residue-wise Data for Rudraprayag; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 7.5 | 8.0 | 2.4 | 1.2 | 0.17 |
| Wheat | Stalks | 7.5 | 8.0 | 12.1 | 1.2 | 0.16 |
| Total | | 7.5 | 8.0 | 14.5 | 2.4 | 0.33 |

| District level Residue-wise Data for Tehri Garhwal; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 38.3 | 35.3 | 10.5 | 5.3 | 0.74 |
| Wheat | Stalks | 38.3 | 35.3 | 52.7 | 5.3 | 0.68 |
| Others | Others | 2.3 | 1.9 | 3.4 | 0.75 | 0.094 |
| Total | | 40.6 | 37.2 | 66.6 | 11.3 | 1.5 |

| District level Residue-wise Data for Udhamasinghnagar; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 85.1 | 267.3 | 80.1 | 40.1 | 5.6 |
| Wheat | Stalks | 85.1 | 267.3 | 400.5 | 40.1 | 5.2 |
| Mustard | Husk | 6.0 | 5.0 | 2.5 | 2.4 | 0.29 |
| Mustard | Stalks | 6.0 | 5.0 | 9.0 | 1.3 | 0.17 |
| Total | | 91.1 | 272.3 | 492.1 | 83.9 | 11.3 |

| District level Residue-wise Data for Uttar Kashi; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 16.5 | 17.7 | 5.3 | 2.6 | 0.37 |
| Wheat | Stalks | 16.5 | 17.7 | 26.5 | 2.6 | 0.34 |
| Others | Others | 1.5 | 1.3 | 2.5 | 0.64 | 0.080 |
| Total | | 18.0 | 19.0 | 34.2 | 5.9 | 0.79 |

District Level Taluk Wise

| | | | | | |
|---------------|-------------|-------------|-------------|------------|-------------|
| Tharali | 1.9 | 2.2 | 3.9 | 0.63 | 0.084 |
| Narayan Bagad | 1.7 | 2.0 | 3.4 | 0.55 | 0.075 |
| Karanprayag | 1.8 | 2.0 | 3.4 | 0.55 | 0.073 |
| Joshimath | 0.039 | 0.045 | 0.072 | 0.010 | 0.0014 |
| Total | 21.5 | 24.5 | 43.3 | 7.2 | 0.97 |

| DistrictLevel Taluk-wise Data for Champawat ; Season : Rabi | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Gangahhat | 3.8 | 5.5 | 9.9 | 1.7 | 0.22 |
| Pati | 3.0 | 4.5 | 8.0 | 1.3 | 0.18 |
| Munshyari | 1.5 | 2.3 | 4.1 | 0.68 | 0.092 |
| Bin | 1.4 | 2.1 | 3.7 | 0.62 | 0.084 |
| Lohaghat | 1.1 | 1.6 | 2.9 | 0.49 | 0.066 |
| Barakoti | 0.61 | 0.90 | 1.6 | 0.27 | 0.036 |
| Champawat | 0.33 | 0.49 | 0.88 | 0.15 | 0.020 |
| Total | 11.8 | 17.4 | 31.2 | 5.2 | 0.70 |

| DistrictLevel Taluk-wise Data for Dehradun ; Season : Rabi | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Doiwala | 20.0 | 29.3 | 52.4 | 8.7 | 1.2 |
| Chakrota | 3.5 | 4.2 | 6.7 | 1.2 | 0.16 |
| Vikasnagar | 1.7 | 2.6 | 4.7 | 0.78 | 0.11 |
| Kalsi | 1.3 | 1.9 | 3.4 | 0.59 | 0.079 |
| Raipur | 0.21 | 0.23 | 0.43 | 0.098 | 0.012 |
| Sahaspur | 0.26 | 0.25 | 0.36 | 0.054 | 0.0070 |
| Total | 27.1 | 38.4 | 68.0 | 11.4 | 1.5 |

| DistrictLevel Taluk-wise Data for Haridwar ; Season : Rabi | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Bahdrabad | 48.6 | 121.7 | 214.4 | 34.9 | 4.7 |
| Bhagwanpur | 0.26 | 0.64 | 1.2 | 0.19 | 0.026 |
| Roorkee | 0.14 | 0.35 | 0.64 | 0.11 | 0.014 |
| Khanpur | 0.019 | 0.048 | 0.086 | 0.014 | 0.0019 |
| Narsan | 0.00077 | 0.0019 | 0.0034 | 0.00057 | 7.63E-05 |
| Luksar | 0.00028 | 0.00068 | 0.0012 | 0.00021 | 2.77E-05 |
| Total | 49.0 | 122.7 | 216.3 | 35.2 | 4.8 |

| DistrictLevel Taluk-wise Data for Nainital ; Season : Rabi | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Haldwani | 15.8 | 35.2 | 63.5 | 10.6 | 1.4 |
| Katabagh | 6.0 | 13.3 | 24.0 | 4.1 | 0.55 |
| Okhal Kanda | 2.6 | 5.0 | 9.3 | 1.7 | 0.23 |
| Ramgarh | 2.2 | 4.9 | 8.8 | 1.5 | 0.20 |
| Ram Nagar | 2.0 | 4.3 | 7.7 | 1.3 | 0.18 |
| Betalghat | 2.0 | 3.7 | 6.9 | 1.3 | 0.17 |
| Bhimtal | 1.3 | 1.9 | 3.7 | 0.87 | 0.11 |
| Dhari | 0.46 | 0.97 | 1.8 | 0.31 | 0.041 |
| Bajpur | 0.019 | 0.042 | 0.076 | 0.013 | 0.0017 |
| Total | 32.4 | 69.4 | 126.0 | 21.7 | 2.9 |

| DistrictLevel Taluk-wise Data for Pauri Garhwal ; Season : Rabi | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Akeshwar | 14.3 | 14.4 | 26.0 | 4.3 | 0.58 |
| Kot | 6.9 | 6.9 | 12.5 | 2.1 | 0.29 |
| Dwarikhal | 7.8 | 7.3 | 12.3 | 1.9 | 0.26 |
| Rikhnikhal | 5.0 | 5.0 | 9.2 | 1.6 | 0.22 |
| Dugadda | 3.6 | 3.6 | 6.4 | 1.1 | 0.14 |
| Pavo | 4.4 | 4.1 | 7.0 | 1.0 | 0.14 |
| Narayan Bagad | 5.1 | 4.6 | 7.2 | 1.0 | 0.14 |
| Yamkeshwar | 2.7 | 2.6 | 4.6 | 0.74 | 0.10 |
| Kaljeekhal | 2.8 | 2.6 | 4.5 | 0.69 | 0.093 |
| Nainidanda | 2.6 | 2.5 | 4.2 | 0.65 | 0.088 |
| Taalisain | 3.2 | 2.8 | 4.4 | 0.62 | 0.083 |
| Pauri | 3.5 | 2.9 | 4.2 | 0.53 | 0.070 |
| Jahrikhal | 0.98 | 0.99 | 1.8 | 0.30 | 0.040 |
| Beeronkhal | 0.71 | 0.72 | 1.3 | 0.22 | 0.029 |
| Pokhra | 0.19 | 0.19 | 0.34 | 0.057 | 0.0078 |
| Total | 63.8 | 61.3 | 105.8 | 16.9 | 2.3 |

| DistrictLevel Taluk-wise Data for Pithoragarh ; Season : Rabi | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Berinag | 4.1 | 4.3 | 7.7 | 1.3 | 0.17 |
| Dharchula | 4.0 | 4.2 | 7.6 | 1.3 | 0.17 |
| Nunakoti | 1.4 | 1.4 | 2.6 | 0.43 | 0.058 |
| Kauli Chhina | 1.2 | 1.3 | 2.3 | 0.39 | 0.052 |
| Gangahhat | 1.2 | 1.2 | 2.2 | 0.36 | 0.049 |
| Didihat | 0.44 | 0.46 | 0.83 | 0.14 | 0.019 |
| Munshyari | 0.097 | 0.10 | 0.18 | 0.031 | 0.0041 |
| Total | 12.3 | 12.9 | 23.4 | 3.9 | 0.53 |

| DistrictLevel Taluk-wise Data for Rudraprayag ; Season : Rabi | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Augustmuni | 4.9 | 5.3 | 9.5 | 1.6 | 0.21 |
| Ukhimath | 2.6 | 2.8 | 5.0 | 0.83 | 0.11 |
| Total | 7.5 | 8.0 | 14.5 | 2.4 | 0.33 |

| DistrictLevel Taluk-wise Data for Tehri Garhwal ; Season : Rabi | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Jaunpur | 13.4 | 12.3 | 22.2 | 3.8 | 0.51 |
| Narender Nagar | 5.7 | 5.2 | 9.3 | 1.5 | 0.21 |
| Tholdhar | 4.8 | 4.4 | 7.9 | 1.3 | 0.18 |
| Pratapnagar | 4.0 | 3.6 | 6.5 | 1.1 | 0.14 |
| Jakhnidhar | 3.8 | 3.5 | 6.2 | 1.0 | 0.14 |
| Jakholi | 2.9 | 2.6 | 4.6 | 0.72 | 0.097 |
| Devprayag | 1.9 | 1.7 | 3.3 | 0.72 | 0.093 |
| Bhilangna | 1.8 | 1.6 | 2.5 | 0.44 | 0.058 |
| Chamba | 1.5 | 1.4 | 2.5 | 0.42 | 0.057 |
| Kirtinagar | 0.93 | 0.85 | 1.5 | 0.25 | 0.034 |
| Total | 40.6 | 37.2 | 66.6 | 11.3 | 1.5 |

| DistrictLevel Taluk-wise Data for Udhamasinghnagar ; Season : Rabi | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Khatima | 39.9 | 123.6 | 222.6 | 37.3 | 5.0 |
| Jaspur | 19.9 | 61.1 | 110.1 | 18.5 | 2.5 |
| Kashipur | 15.8 | 48.5 | 87.5 | 14.7 | 2.0 |
| Ramgarh | 13.1 | 33.0 | 60.9 | 11.3 | 1.5 |
| Sitrganj | 0.99 | 2.3 | 4.3 | 0.82 | 0.11 |
| Rudrapur | 0.74 | 1.6 | 3.1 | 0.61 | 0.080 |
| Katabagh | 0.56 | 1.8 | 3.1 | 0.52 | 0.071 |
| Gdarpur | 0.12 | 0.30 | 0.56 | 0.10 | 0.014 |
| Bajpur | 0.0022 | 0.0018 | 0.0042 | 0.0014 | 0.00017 |
| Total | 91.1 | 272.3 | 492.1 | 83.9 | 11.3 |

| DistrictLevel Taluk-wise Data for Uttar Kashi ; Season : Rabi | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Naugaon | 5.2 | 5.6 | 10.0 | 1.7 | 0.23 |
| Chinyali Sour | 4.3 | 4.5 | 8.2 | 1.4 | 0.19 |
| Mori | 3.5 | 3.6 | 6.5 | 1.2 | 0.15 |
| Purola | 2.0 | 2.1 | 3.7 | 0.64 | 0.086 |
| Bhatwadi | 1.8 | 1.9 | 3.4 | 0.57 | 0.077 |
| Dunda | 1.3 | 1.4 | 2.4 | 0.48 | 0.063 |
| Total | 18.0 | 19.0 | 34.2 | 5.9 | 0.79 |

Taluk Level Residue Wise

| Taluk level Residue-wise Data for Basiyachana ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.1 | 0.97 | 1.6 | 0.25 | 0.033 |
| Total | | 1.1 | 0.97 | 1.6 | 0.25 | 0.033 |

| Taluk level Residue-wise Data for Bikyasain ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.7 | 2.3 | 4.2 | 0.69 | 0.093 |
| Total | | 2.7 | 2.3 | 4.2 | 0.69 | 0.093 |

| Taluk level Residue-wise Data for Chukutia ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.98 | 0.86 | 1.5 | 0.25 | 0.033 |
| Total | | 0.98 | 0.86 | 1.5 | 0.25 | 0.033 |

| Taluk level Residue-wise Data for Doladevi ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 6.7 | 5.9 | 1.8 | 0.89 | 0.12 |
| Wheat | Stalks | 6.7 | 5.9 | 8.9 | 0.89 | 0.12 |
| Others | Others | 0.64 | 0.55 | 0.71 | 0.071 | 0.0093 |
| Total | | 7.3 | 6.4 | 11.3 | 1.8 | 0.25 |

| Taluk level Residue-wise Data for Dwarahat ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.3 | 1.1 | 2.0 | 0.33 | 0.044 |
| Total | | 1.3 | 1.1 | 2.0 | 0.33 | 0.044 |

| Taluk level Residue-wise Data for Hawalbag ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.6 | 3.1 | 5.1 | 0.76 | 0.10 |
| Total | | 3.6 | 3.1 | 5.1 | 0.76 | 0.10 |

| Taluk level Residue-wise Data for Lamgara ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.8 | 2.3 | 4.2 | 0.70 | 0.092 |
| Total | | 2.8 | 2.3 | 4.2 | 0.70 | 0.092 |

| Taluk level Residue-wise Data for Salt ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 7.5 | 6.6 | 2.0 | 0.99 | 0.14 |
| Wheat | Stalks | 7.5 | 6.6 | 9.9 | 0.99 | 0.13 |
| Others | Others | 0.36 | 0.30 | 0.41 | 0.041 | 0.0053 |
| Total | | 7.8 | 6.9 | 12.3 | 2.0 | 0.27 |

| Taluk level Residue-wise Data for Shiyalday ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 19.1 | 16.8 | 5.0 | 2.5 | 0.35 |
| Wheat | Stalks | 19.1 | 16.8 | 25.2 | 2.5 | 0.33 |
| Others | Others | 0.35 | 0.29 | 0.36 | 0.055 | 0.0072 |
| Total | | 19.4 | 17.1 | 30.6 | 5.1 | 0.69 |

| Taluk level Residue-wise Data for Takula ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.0 | 2.6 | 0.79 | 0.39 | 0.055 |
| Wheat | Stalks | 3.0 | 2.6 | 3.9 | 0.39 | 0.051 |
| Others | Others | 1.5 | 1.1 | 1.8 | 0.18 | 0.024 |
| Total | | 4.4 | 3.7 | 6.5 | 0.97 | 0.13 |

| Taluk level Residue-wise Data for Thadikhet ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.8 | 1.4 | 2.7 | 0.54 | 0.070 |
| Total | | 1.8 | 1.4 | 2.7 | 0.54 | 0.070 |

| Taluk level Residue-wise Data for Bageshwer ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 11.9 | 13.1 | 3.9 | 2.0 | 0.27 |
| Wheat | Stalks | 11.9 | 13.1 | 19.5 | 2.0 | 0.25 |
| Others | Others | 1.6 | 1.9 | 2.5 | 0.25 | 0.033 |
| Total | | 13.5 | 15.0 | 26.0 | 4.2 | 0.56 |

| Taluk level Residue-wise Data for Garur ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.3 | 3.6 | 1.1 | 0.54 | 0.076 |
| Wheat | Stalks | 3.3 | 3.6 | 5.4 | 0.54 | 0.070 |
| Total | | 3.3 | 3.6 | 6.5 | 1.1 | 0.15 |

| Taluk level Residue-wise Data for Kapkote ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.7 | 1.9 | 3.4 | 0.56 | 0.076 |
| Total | | 1.7 | 1.9 | 3.4 | 0.56 | 0.076 |

| Taluk level Residue-wise Data for Dasoli ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.2 | 3.7 | 1.1 | 0.55 | 0.077 |
| Wheat | Stalks | 3.2 | 3.7 | 5.5 | 0.55 | 0.071 |
| Others | Others | 0.23 | 0.25 | 0.33 | 0.033 | 0.0043 |
| Total | | 3.4 | 3.9 | 6.9 | 1.1 | 0.15 |

| Taluk level Residue-wise Data for Gairsain ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.5 | 4.0 | 1.2 | 0.60 | 0.084 |
| Wheat | Stalks | 3.5 | 4.0 | 6.0 | 0.60 | 0.078 |
| Others | Others | 0.32 | 0.31 | 0.52 | 0.10 | 0.013 |
| Total | | 3.8 | 4.3 | 7.7 | 1.3 | 0.18 |

| Taluk level Residue-wise Data for Ghat ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.7 | 4.3 | 1.3 | 0.64 | 0.090 |
| Wheat | Stalks | 3.7 | 4.3 | 6.4 | 0.64 | 0.083 |
| Others | Others | 0.095 | 0.076 | 0.18 | 0.058 | 0.0071 |
| Total | | 3.8 | 4.3 | 7.9 | 1.3 | 0.18 |

| Taluk level Residue-wise Data for Joshimath ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.039 | 0.045 | 0.072 | 0.010 | 0.0014 |
| Total | | 0.039 | 0.045 | 0.072 | 0.010 | 0.0014 |

| Taluk level Residue-wise Data for Karanprayag ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.8 | 2.0 | 3.4 | 0.55 | 0.073 |
| Total | | 1.8 | 2.0 | 3.4 | 0.55 | 0.073 |

| Taluk level Residue-wise Data for Narayan Bagad ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.7 | 2.0 | 3.4 | 0.55 | 0.075 |
| Total | | 1.7 | 2.0 | 3.4 | 0.55 | 0.075 |

| Taluk level Residue-wise Data for Pokhri ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.4 | 5.0 | 1.5 | 0.75 | 0.11 |
| Wheat | Stalks | 4.4 | 5.0 | 7.5 | 0.75 | 0.098 |
| Others | Others | 0.64 | 0.66 | 1.0 | 0.17 | 0.021 |
| Total | | 5.0 | 5.7 | 10.1 | 1.7 | 0.22 |

| Taluk level Residue-wise Data for Tharali ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.9 | 2.2 | 3.9 | 0.63 | 0.084 |
| Total | | 1.9 | 2.2 | 3.9 | 0.63 | 0.084 |

| Taluk level Residue-wise Data for Barakoti ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.61 | 0.90 | 1.6 | 0.27 | 0.036 |
| Total | | 0.61 | 0.90 | 1.6 | 0.27 | 0.036 |

| Taluk level Residue-wise Data for Bin ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.4 | 2.1 | 3.7 | 0.62 | 0.084 |
| Total | | 1.4 | 2.1 | 3.7 | 0.62 | 0.084 |

| Taluk level Residue-wise Data for Champawat ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.33 | 0.49 | 0.88 | 0.15 | 0.020 |
| Total | | 0.33 | 0.49 | 0.88 | 0.15 | 0.020 |

| Taluk level Residue-wise Data for Gangahhat ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.8 | 5.5 | 1.7 | 0.83 | 0.12 |
| Wheat | Stalks | 3.8 | 5.5 | 8.3 | 0.83 | 0.11 |
| Total | | 3.8 | 5.5 | 9.9 | 1.7 | 0.22 |

| Taluk level Residue-wise Data for Lohaghat ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.1 | 1.6 | 2.9 | 0.49 | 0.066 |
| Total | | 1.1 | 1.6 | 2.9 | 0.49 | 0.066 |

| Taluk level Residue-wise Data for Munshyari ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.5 | 2.3 | 4.1 | 0.68 | 0.092 |
| Total | | 1.5 | 2.3 | 4.1 | 0.68 | 0.092 |

| Taluk level Residue-wise Data for Pati ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.0 | 4.5 | 1.3 | 0.67 | 0.094 |
| Wheat | Stalks | 3.0 | 4.5 | 6.7 | 0.67 | 0.087 |
| Total | | 3.0 | 4.5 | 8.0 | 1.3 | 0.18 |

| Taluk level Residue-wise Data for Chakrota ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.9 | 1.8 | 6.0 | 0.82 | 0.11 |
| Wheat | Pod | 1.6 | 2.4 | 0.72 | 0.36 | 0.050 |
| Total | | 3.5 | 4.2 | 6.7 | 1.2 | 0.16 |

| Taluk level Residue-wise Data for Doiwala ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 19.1 | 28.5 | 8.5 | 4.3 | 0.60 |
| Wheat | Stalks | 19.1 | 28.5 | 42.7 | 4.3 | 0.55 |
| Others | Others | 0.90 | 0.73 | 1.3 | 0.15 | 0.019 |
| Total | | 20.0 | 29.3 | 52.4 | 8.7 | 1.2 |

| Taluk level Residue-wise Data for Kalsi ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.3 | 1.9 | 3.4 | 0.59 | 0.079 |
| Total | | 1.3 | 1.9 | 3.4 | 0.59 | 0.079 |

| Taluk level Residue-wise Data for Raipur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.21 | 0.23 | 0.43 | 0.098 | 0.012 |
| Total | | 0.21 | 0.23 | 0.43 | 0.098 | 0.012 |

| Taluk level Residue-wise Data for Sahaspur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.26 | 0.25 | 0.36 | 0.054 | 0.0070 |
| Total | | 0.26 | 0.25 | 0.36 | 0.054 | 0.0070 |

| Taluk level Residue-wise Data for Vikasnagar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 1.7 | 2.6 | 0.78 | 0.39 | 0.055 |
| Wheat | Stalks | 1.7 | 2.6 | 3.9 | 0.39 | 0.051 |
| Total | | 1.7 | 2.6 | 4.7 | 0.78 | 0.11 |

| Taluk level Residue-wise Data for Bahdrabad ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 45.7 | 112.4 | 33.7 | 16.9 | 2.4 |
| Wheat | Stalks | 45.7 | 112.4 | 168.6 | 16.9 | 2.2 |
| Barley | Stalks | 2.9 | 9.3 | 12.1 | 1.2 | 0.16 |
| Total | | 48.6 | 121.7 | 214.4 | 34.9 | 4.7 |

| Taluk level Residue-wise Data for Bhagwanpur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.26 | 0.64 | 1.2 | 0.19 | 0.026 |
| Total | | 0.26 | 0.64 | 1.2 | 0.19 | 0.026 |

| Taluk level Residue-wise Data for Khanpur ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.019 | 0.048 | 0.086 | 0.014 | 0.0019 |
| Total | | 0.019 | 0.048 | 0.086 | 0.014 | 0.0019 |

| Taluk level Residue-wise Data for Luksar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.00028 | 0.00068 | 0.0012 | 0.00021 | 2.77E-05 |
| Total | | 0.00028 | 0.00068 | 0.0012 | 0.00021 | 2.77E-05 |

| Taluk level Residue-wise Data for Narsan ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.00077 | 0.0019 | 0.0034 | 0.00057 | 7.63E-05 |
| Total | | 0.00077 | 0.0019 | 0.0034 | 0.00057 | 7.63E-05 |

| Taluk level Residue-wise Data for Roorkee ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.14 | 0.35 | 0.64 | 0.11 | 0.014 |
| Total | | 0.14 | 0.35 | 0.64 | 0.11 | 0.014 |

| Taluk level Residue-wise Data for Bajpur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.019 | 0.042 | 0.076 | 0.013 | 0.0017 |
| Total | | 0.019 | 0.042 | 0.076 | 0.013 | 0.0017 |

| Taluk level Residue-wise Data for Betalghat ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 1.5 | 3.3 | 0.99 | 0.49 | 0.069 |
| Wheat | Stalks | 1.5 | 3.3 | 4.9 | 0.49 | 0.064 |
| Others | Others | 0.50 | 0.44 | 1.0 | 0.33 | 0.041 |
| Total | | 2.0 | 3.7 | 6.9 | 1.3 | 0.17 |

| Taluk level Residue-wise Data for Bhimtal ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.3 | 1.9 | 3.7 | 0.87 | 0.11 |
| Total | | 1.3 | 1.9 | 3.7 | 0.87 | 0.11 |

| Taluk level Residue-wise Data for Dhari ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.46 | 0.97 | 1.8 | 0.31 | 0.041 |
| Total | | 0.46 | 0.97 | 1.8 | 0.31 | 0.041 |

| Taluk level Residue-wise Data for Haldwani ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 15.3 | 34.6 | 10.4 | 5.2 | 0.73 |
| Wheat | Stalks | 15.3 | 34.6 | 51.9 | 5.2 | 0.67 |
| Others | Others | 0.54 | 0.62 | 1.3 | 0.23 | 0.029 |
| Total | | 15.8 | 35.2 | 63.5 | 10.6 | 1.4 |

| Taluk level Residue-wise Data for Katabagh ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 5.8 | 13.1 | 3.9 | 2.0 | 0.27 |
| Wheat | Stalks | 5.8 | 13.1 | 19.6 | 2.0 | 0.26 |
| Others | Others | 0.24 | 0.21 | 0.48 | 0.16 | 0.019 |
| Total | | 6.0 | 13.3 | 24.0 | 4.1 | 0.55 |

| Taluk level Residue-wise Data for Okhal Kanda ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 2.0 | 4.5 | 1.3 | 0.67 | 0.093 |
| Wheat | Stalks | 2.0 | 4.5 | 6.7 | 0.67 | 0.087 |
| Others | Others | 0.64 | 0.60 | 1.3 | 0.39 | 0.048 |
| Total | | 2.6 | 5.0 | 9.3 | 1.7 | 0.23 |

| Taluk level Residue-wise Data for Ram Nagar ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 1.8 | 4.2 | 1.3 | 0.63 | 0.088 |
| Wheat | Stalks | 1.8 | 4.2 | 6.3 | 0.63 | 0.081 |
| Others | Others | 0.12 | 0.10 | 0.24 | 0.077 | 0.0095 |
| Total | | 2.0 | 4.3 | 7.7 | 1.3 | 0.18 |

| Taluk level Residue-wise Data for Ramgarh ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 2.1 | 4.7 | 1.4 | 0.71 | 0.099 |
| Wheat | Stalks | 2.1 | 4.7 | 7.1 | 0.71 | 0.092 |
| Others | Others | 0.13 | 0.17 | 0.34 | 0.036 | 0.0046 |
| Total | | 2.2 | 4.9 | 8.8 | 1.5 | 0.20 |

| Taluk level Residue-wise Data for Akeshwar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 14.2 | 14.4 | 4.3 | 2.2 | 0.30 |
| Wheat | Stalks | 14.2 | 14.4 | 21.6 | 2.2 | 0.28 |
| Others | Others | 0.090 | 0.069 | 0.090 | 0.0090 | 0.0012 |
| Total | | 14.3 | 14.4 | 26.0 | 4.3 | 0.58 |

| Taluk level Residue-wise Data for Beeronkhal ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.71 | 0.72 | 1.3 | 0.22 | 0.029 |
| Total | | 0.71 | 0.72 | 1.3 | 0.22 | 0.029 |

| Taluk level Residue-wise Data for Dugadda ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.5 | 3.5 | 1.1 | 0.53 | 0.074 |
| Wheat | Stalks | 3.5 | 3.5 | 5.3 | 0.53 | 0.069 |
| Others | Others | 0.083 | 0.064 | 0.083 | 0.0083 | 0.0011 |
| Total | | 3.6 | 3.6 | 6.4 | 1.1 | 0.14 |

| Taluk level Residue-wise Data for Dwarikhal ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 5.5 | 5.5 | 1.7 | 0.83 | 0.12 |
| Wheat | Stalks | 5.5 | 5.5 | 8.3 | 0.83 | 0.11 |
| Others | Others | 2.3 | 1.8 | 2.3 | 0.27 | 0.035 |
| Total | | 7.8 | 7.3 | 12.3 | 1.9 | 0.26 |

| Taluk level Residue-wise Data for Jahrikhal ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.98 | 0.99 | 1.8 | 0.30 | 0.040 |
| Total | | 0.98 | 0.99 | 1.8 | 0.30 | 0.040 |

| Taluk level Residue-wise Data for Kaljeekhal ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.8 | 2.6 | 4.5 | 0.69 | 0.093 |
| Total | | 2.8 | 2.6 | 4.5 | 0.69 | 0.093 |

| Taluk level Residue-wise Data for Kot ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 6.7 | 6.8 | 2.0 | 1.0 | 0.14 |
| Wheat | Stalks | 6.7 | 6.8 | 10.1 | 1.0 | 0.13 |
| Others | Others | 0.21 | 0.17 | 0.36 | 0.11 | 0.014 |
| Total | | 6.9 | 6.9 | 12.5 | 2.1 | 0.29 |

| Taluk level Residue-wise Data for Nainidanda ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.6 | 2.5 | 4.2 | 0.65 | 0.088 |
| Total | | 2.6 | 2.5 | 4.2 | 0.65 | 0.088 |

| Taluk level Residue-wise Data for Narayan Bagad ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.6 | 2.0 | 6.4 | 0.64 | 0.084 |
| Wheat | Pod | 2.5 | 2.5 | 0.76 | 0.38 | 0.053 |
| Total | | 5.1 | 4.6 | 7.2 | 1.0 | 0.14 |

| Taluk level Residue-wise Data for Pauri ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.5 | 2.9 | 4.2 | 0.53 | 0.070 |
| Total | | 3.5 | 2.9 | 4.2 | 0.53 | 0.070 |

| Taluk level Residue-wise Data for Pavo ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 2.8 | 2.8 | 0.83 | 0.42 | 0.058 |
| Wheat | Stalks | 2.8 | 2.8 | 4.2 | 0.42 | 0.054 |
| Others | Others | 1.7 | 1.3 | 2.0 | 0.20 | 0.026 |
| Total | | 4.4 | 4.1 | 7.0 | 1.0 | 0.14 |

| Taluk level Residue-wise Data for Pokhra ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.19 | 0.19 | 0.34 | 0.057 | 0.0078 |
| Total | | 0.19 | 0.19 | 0.34 | 0.057 | 0.0078 |

| Taluk level Residue-wise Data for Rikhnikhal ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.7 | 4.8 | 1.4 | 0.71 | 0.100 |
| Wheat | Stalks | 4.7 | 4.8 | 7.1 | 0.71 | 0.093 |
| Others | Others | 0.33 | 0.26 | 0.60 | 0.20 | 0.024 |
| Total | | 5.0 | 5.0 | 9.2 | 1.6 | 0.22 |

| Taluk level Residue-wise Data for Taalisain ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.2 | 2.8 | 4.4 | 0.62 | 0.083 |
| Total | | 3.2 | 2.8 | 4.4 | 0.62 | 0.083 |

| Taluk level Residue-wise Data for Yamkeshwar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.7 | 2.6 | 4.6 | 0.74 | 0.10 |
| Total | | 2.7 | 2.6 | 4.6 | 0.74 | 0.10 |

| Taluk level Residue-wise Data for Berinag ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.1 | 4.3 | 1.3 | 0.64 | 0.090 |
| Wheat | Stalks | 4.1 | 4.3 | 6.4 | 0.64 | 0.083 |
| Total | | 4.1 | 4.3 | 7.7 | 1.3 | 0.17 |

| Taluk level Residue-wise Data for Dharchula ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.0 | 4.2 | 1.3 | 0.63 | 0.088 |
| Wheat | Stalks | 4.0 | 4.2 | 6.3 | 0.63 | 0.082 |
| Total | | 4.0 | 4.2 | 7.6 | 1.3 | 0.17 |

| Taluk level Residue-wise Data for Didihat ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.44 | 0.46 | 0.83 | 0.14 | 0.019 |
| Total | | 0.44 | 0.46 | 0.83 | 0.14 | 0.019 |

| Taluk level Residue-wise Data for Gangahhat ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.2 | 1.2 | 2.2 | 0.36 | 0.049 |
| Total | | 1.2 | 1.2 | 2.2 | 0.36 | 0.049 |

| Taluk level Residue-wise Data for Kauli Chhina ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.2 | 1.3 | 2.3 | 0.39 | 0.052 |
| Total | | 1.2 | 1.3 | 2.3 | 0.39 | 0.052 |

| Taluk level Residue-wise Data for Munshyari ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.097 | 0.10 | 0.18 | 0.031 | 0.0041 |
| Total | | 0.097 | 0.10 | 0.18 | 0.031 | 0.0041 |

| Taluk level Residue-wise Data for Nunakoti ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.4 | 1.4 | 2.6 | 0.43 | 0.058 |
| Total | | 1.4 | 1.4 | 2.6 | 0.43 | 0.058 |

| Taluk level Residue-wise Data for Augustmuni ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.9 | 5.3 | 1.6 | 0.79 | 0.11 |
| Wheat | Stalks | 4.9 | 5.3 | 7.9 | 0.79 | 0.10 |
| Total | | 4.9 | 5.3 | 9.5 | 1.6 | 0.21 |

| Taluk level Residue-wise Data for Ukhimath ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 2.6 | 2.8 | 0.83 | 0.42 | 0.058 |
| Wheat | Stalks | 2.6 | 2.8 | 4.2 | 0.42 | 0.054 |
| Total | | 2.6 | 2.8 | 5.0 | 0.83 | 0.11 |

| Taluk level Residue-wise Data for Bhilangna ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.8 | 1.6 | 2.5 | 0.44 | 0.058 |
| Total | | 1.8 | 1.6 | 2.5 | 0.44 | 0.058 |

| Taluk level Residue-wise Data for Chamba ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.5 | 1.4 | 2.5 | 0.42 | 0.057 |
| Total | | 1.5 | 1.4 | 2.5 | 0.42 | 0.057 |

| Taluk level Residue-wise Data for Devprayag ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.9 | 1.7 | 3.3 | 0.72 | 0.093 |
| Total | | 1.9 | 1.7 | 3.3 | 0.72 | 0.093 |

| Taluk level Residue-wise Data for Jakhnidhar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.7 | 3.4 | 1.0 | 0.51 | 0.072 |
| Wheat | Stalks | 3.7 | 3.4 | 5.1 | 0.51 | 0.067 |
| Others | Others | 0.033 | 0.022 | 0.040 | 0.0040 | 0.00052 |
| Total | | 3.8 | 3.5 | 6.2 | 1.0 | 0.14 |

| Taluk level Residue-wise Data for Jakholi ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.9 | 2.6 | 4.6 | 0.72 | 0.097 |
| Total | | 2.9 | 2.6 | 4.6 | 0.72 | 0.097 |

| Taluk level Residue-wise Data for Jaunpur ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 13.1 | 12.1 | 3.6 | 1.8 | 0.25 |
| Wheat | Stalks | 13.1 | 12.1 | 18.0 | 1.8 | 0.23 |
| Others | Others | 0.33 | 0.27 | 0.59 | 0.17 | 0.021 |
| Total | | 13.4 | 12.3 | 22.2 | 3.8 | 0.51 |

| Taluk level Residue-wise Data for Kirtinagar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.93 | 0.85 | 1.5 | 0.25 | 0.034 |
| Total | | 0.93 | 0.85 | 1.5 | 0.25 | 0.034 |

| Taluk level Residue-wise Data for Narender Nagar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 5.5 | 5.1 | 1.5 | 0.75 | 0.11 |
| Wheat | Stalks | 5.5 | 5.1 | 7.5 | 0.75 | 0.098 |
| Others | Others | 0.17 | 0.12 | 0.21 | 0.021 | 0.0027 |
| Total | | 5.7 | 5.2 | 9.3 | 1.5 | 0.21 |

| Taluk level Residue-wise Data for Pratapnagar ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.8 | 3.5 | 1.1 | 0.53 | 0.074 |
| Wheat | Stalks | 3.8 | 3.5 | 5.3 | 0.53 | 0.068 |
| Others | Others | 0.19 | 0.13 | 0.23 | 0.023 | 0.0030 |
| Total | | 4.0 | 3.6 | 6.5 | 1.1 | 0.14 |

| Taluk level Residue-wise Data for Tholdhar ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.7 | 4.3 | 1.3 | 0.65 | 0.090 |
| Wheat | Stalks | 4.7 | 4.3 | 6.5 | 0.65 | 0.084 |
| Others | Others | 0.085 | 0.11 | 0.19 | 0.042 | 0.0052 |
| Total | | 4.8 | 4.4 | 7.9 | 1.3 | 0.18 |

| Taluk level Residue-wise Data for Bajpur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.0022 | 0.0018 | 0.0042 | 0.0014 | 0.00017 |
| Total | | 0.0022 | 0.0018 | 0.0042 | 0.0014 | 0.00017 |

| Taluk level Residue-wise Data for Gdarpur ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.12 | 0.30 | 0.56 | 0.10 | 0.014 |
| Total | | 0.12 | 0.30 | 0.56 | 0.10 | 0.014 |

| Taluk level Residue-wise Data for Jaspur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 19.3 | 60.6 | 18.2 | 9.1 | 1.3 |
| Wheat | Stalks | 19.3 | 60.6 | 90.8 | 9.1 | 1.2 |
| Others | Others | 0.56 | 0.47 | 1.1 | 0.35 | 0.044 |
| Total | | 19.9 | 61.1 | 110.1 | 18.5 | 2.5 |

| Taluk level Residue-wise Data for Kashipur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 15.3 | 48.2 | 14.4 | 7.2 | 1.0 |
| Wheat | Stalks | 15.3 | 48.2 | 72.2 | 7.2 | 0.94 |
| Others | Others | 0.43 | 0.36 | 0.83 | 0.27 | 0.034 |
| Total | | 15.8 | 48.5 | 87.5 | 14.7 | 2.0 |

| Taluk level Residue-wise Data for Katabagh ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.56 | 1.8 | 3.1 | 0.52 | 0.071 |
| Total | | 0.56 | 1.8 | 3.1 | 0.52 | 0.071 |

| Taluk level Residue-wise Data for Khatima ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 39.2 | 123.0 | 36.9 | 18.4 | 2.6 |
| Wheat | Stalks | 39.2 | 123.0 | 184.4 | 18.4 | 2.4 |
| Others | Others | 0.70 | 0.59 | 1.4 | 0.44 | 0.055 |
| Total | | 39.9 | 123.6 | 222.6 | 37.3 | 5.0 |

| Taluk level Residue-wise Data for Ramgarh ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 9.6 | 30.0 | 9.0 | 4.5 | 0.63 |
| Wheat | Stalks | 9.6 | 30.0 | 45.0 | 4.5 | 0.58 |
| Mustard | Husk | 3.6 | 3.0 | 1.5 | 1.5 | 0.17 |
| Mustard | Stalks | 3.6 | 3.0 | 5.4 | 0.81 | 0.11 |
| Total | | 13.1 | 33.0 | 60.9 | 11.3 | 1.5 |

| Taluk level Residue-wise Data for Rudrapur ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.74 | 1.6 | 3.1 | 0.61 | 0.080 |
| Total | | 0.74 | 1.6 | 3.1 | 0.61 | 0.080 |

| Taluk level Residue-wise Data for Sitrganj ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.99 | 2.3 | 4.3 | 0.82 | 0.11 |
| Total | | 0.99 | 2.3 | 4.3 | 0.82 | 0.11 |

| Taluk level Residue-wise Data for Bhatwadi ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.8 | 1.9 | 3.4 | 0.57 | 0.077 |
| Total | | 1.8 | 1.9 | 3.4 | 0.57 | 0.077 |

| Taluk level Residue-wise Data for Chinyali Sour ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.1 | 4.4 | 1.3 | 0.66 | 0.092 |
| Wheat | Stalks | 4.1 | 4.4 | 6.6 | 0.66 | 0.085 |
| Others | Others | 0.16 | 0.14 | 0.33 | 0.11 | 0.013 |
| Total | | 4.3 | 4.5 | 8.2 | 1.4 | 0.19 |

| Taluk level Residue-wise Data for Dunda ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.3 | 1.4 | 2.4 | 0.48 | 0.063 |
| Total | | 1.3 | 1.4 | 2.4 | 0.48 | 0.063 |

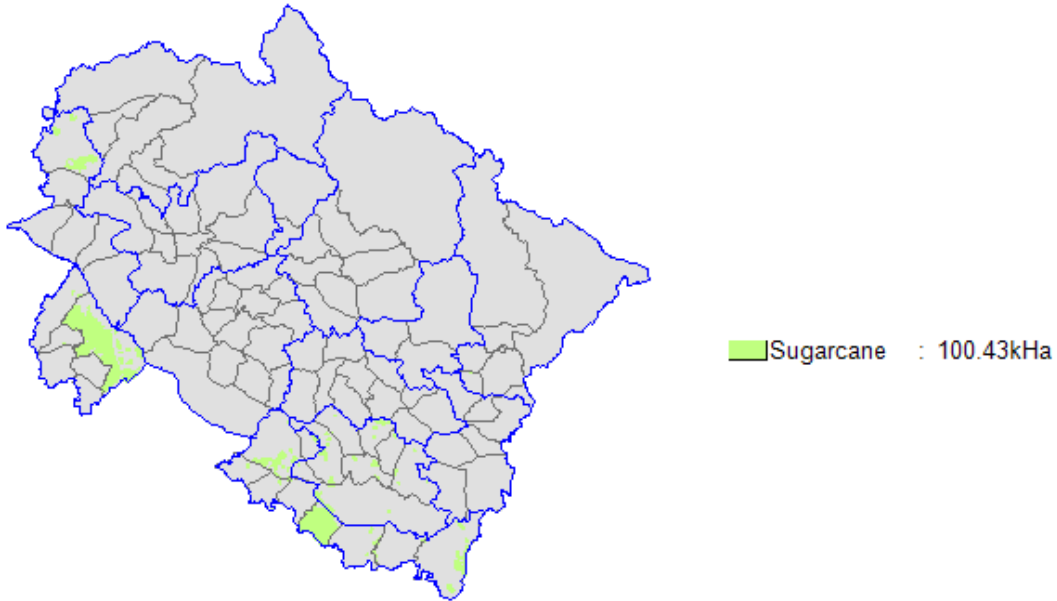
| Taluk level Residue-wise Data for Mori ; Season : Rabi | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 2.7 | 2.9 | 0.87 | 0.43 | 0.061 |
| Wheat | Stalks | 2.7 | 2.9 | 4.3 | 0.43 | 0.056 |
| Others | Others | 0.81 | 0.67 | 1.3 | 0.29 | 0.036 |
| Total | | 3.5 | 3.6 | 6.5 | 1.2 | 0.15 |

| Taluk level Residue-wise Data for Naugaon ; Season : Rabi | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 5.2 | 5.6 | 1.7 | 0.84 | 0.12 |
| Wheat | Stalks | 5.2 | 5.6 | 8.4 | 0.84 | 0.11 |
| Others | Others | 0.0024 | 0.0024 | 0.0032 | 0.00032 | 4.10E-05 |
| Total | | 5.2 | 5.6 | 10.0 | 1.7 | 0.23 |

| Taluk level Residue-wise Data for Purola ; Season : Rabi | | | | | | |
|---|----------------|-----------------------|--|---|--|--------------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.0 | 2.1 | 3.7 | 0.64 | 0.086 |
| Total | | 2.0 | 2.1 | 3.7 | 0.64 | 0.086 |

Yearly

Uttaranchal-Yearly



State Level Residue Wise

| State level Residue-wise Data for Uttaranchal; Season : Yearly | | | | | | |
|--|---------------|--------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 100.4 | 6249.9 | 312.5 | 62.5 | 8.8 |
| Total | | 100.4 | 6249.9 | 312.5 | 62.5 | 8.8 |

State Level District Wise

| State level District-wise Data for Uttarakhand ; Season : Yearly | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| District | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Haridwar | 49.5 | 3075.5 | 153.8 | 30.8 | 4.3 |
| Udhamsinghnagar | 37.9 | 2369.7 | 118.5 | 23.7 | 3.3 |
| Nainital | 6.5 | 410.2 | 20.5 | 4.1 | 0.57 |
| Dehradun | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |
| Pithoragarh | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |
| Total | 100.4 | 6249.9 | 312.5 | 62.5 | 8.8 |

State Level Taluk Wise

| State level Taluk-wise Data for Uttarakhand ; Season : Yearly | | | | | | |
|--|--------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Haridwar | Bahdrabad | 49.1 | 3049.0 | 152.5 | 30.5 | 4.3 |
| Udhamsinghnagar | Gdarpur | 23.7 | 1481.6 | 74.1 | 14.8 | 2.1 |
| Udhamsinghnagar | Ramgarh | 8.0 | 497.0 | 24.9 | 5.0 | 0.70 |
| Dehradun | Chakrota | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |
| Udhamsinghnagar | Khatima | 4.1 | 255.1 | 12.8 | 2.6 | 0.36 |
| Nainital | Haldwani | 2.2 | 139.4 | 7.0 | 1.4 | 0.20 |
| Nainital | Katabagh | 1.6 | 99.2 | 5.0 | 0.99 | 0.14 |
| Nainital | Ram Nagar | 0.99 | 62.3 | 3.1 | 0.62 | 0.087 |
| Nainital | Bhimtal | 0.86 | 54.0 | 2.7 | 0.54 | 0.076 |
| Udhamsinghnagar | Rudrapur | 0.61 | 38.4 | 1.9 | 0.38 | 0.054 |
| Udhamsinghnagar | Sitrganj | 0.59 | 37.0 | 1.9 | 0.37 | 0.052 |
| Udhamsinghnagar | Katabagh | 0.53 | 33.3 | 1.7 | 0.33 | 0.047 |
| Nainital | Okhal Kanda | 0.45 | 28.0 | 1.4 | 0.28 | 0.039 |
| Udhamsinghnagar | Kashipur | 0.36 | 22.7 | 1.1 | 0.23 | 0.032 |
| Haridwar | Bhagwanpur | 0.26 | 16.2 | 0.81 | 0.16 | 0.023 |
| Nainital | Ramgarh | 0.17 | 10.6 | 0.53 | 0.11 | 0.015 |
| Haridwar | Roorkee | 0.14 | 9.0 | 0.45 | 0.090 | 0.013 |
| Nainital | Dhari | 0.14 | 8.7 | 0.43 | 0.087 | 0.012 |
| Nainital | Betalghat | 0.13 | 8.0 | 0.40 | 0.080 | 0.011 |
| Udhamsinghnagar | Jaspur | 0.071 | 4.5 | 0.22 | 0.045 | 0.0062 |
| Haridwar | Khanpur | 0.019 | 1.2 | 0.061 | 0.012 | 0.0017 |
| Pithoragarh | Gangahhat | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|--------|--------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Udhamsinghnagar | Bajpur | 0.0022 | 0.14 | 0.0069 | 0.0014 | 0.00019 |
| Haridwar | Narsan | 0.0012 | 0.075 | 0.0038 | 0.00075 | 0.00011 |
| Haridwar | Luksar | 0.00028 | 0.017 | 0.00086 | 0.00017 | 2.42E-05 |
| Total | | 100.4 | 6249.9 | 312.5 | 62.5 | 8.8 |

District Level Residue Wise

| District level Residue-wise Data for Dehradun; Season : Yearly | | | | | | |
|---|---------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |
| Total | | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |

| District level Residue-wise Data for Haridwar; Season : Yearly | | | | | | |
|---|---------------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 49.5 | 3075.5 | 153.8 | 30.8 | 4.3 |
| Total | | 49.5 | 3075.5 | 153.8 | 30.8 | 4.3 |

| District level Residue-wise Data for Nainital; Season : Yearly | | | | | | |
|---|---------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 6.5 | 410.2 | 20.5 | 4.1 | 0.57 |
| Total | | 6.5 | 410.2 | 20.5 | 4.1 | 0.57 |

| District level Residue-wise Data for Pithoragarh; Season : Yearly | | | | | | |
|--|---------|---------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |
| Total | | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |

| District level Residue-wise Data for Udham Singh Nagar; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 37.9 | 2369.7 | 118.5 | 23.7 | 3.3 |
| Total | | 37.9 | 2369.7 | 118.5 | 23.7 | 3.3 |

District Level Taluk Wise

| DistrictLevel Taluk-wise Data for Dehradun ; Season : Yearly | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Chakrota | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |
| Total | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |

| DistrictLevel Taluk-wise Data for Haridwar ; Season : Yearly | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Bahdrabad | 49.1 | 3049.0 | 152.5 | 30.5 | 4.3 |
| Bhagwanpur | 0.26 | 16.2 | 0.81 | 0.16 | 0.023 |
| Roorkee | 0.14 | 9.0 | 0.45 | 0.090 | 0.013 |
| Khanpur | 0.019 | 1.2 | 0.061 | 0.012 | 0.0017 |
| Narsan | 0.0012 | 0.075 | 0.0038 | 0.00075 | 0.00011 |
| Luksar | 0.00028 | 0.017 | 0.00086 | 0.00017 | 2.42E-05 |
| Total | 49.5 | 3075.5 | 153.8 | 30.8 | 4.3 |

| DistrictLevel Taluk-wise Data for Nainital ; Season : Yearly | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Haldwani | 2.2 | 139.4 | 7.0 | 1.4 | 0.20 |
| Katabagh | 1.6 | 99.2 | 5.0 | 0.99 | 0.14 |
| Ram Nagar | 0.99 | 62.3 | 3.1 | 0.62 | 0.087 |
| Bhimal | 0.86 | 54.0 | 2.7 | 0.54 | 0.076 |
| Okhal Kanda | 0.45 | 28.0 | 1.4 | 0.28 | 0.039 |
| Ramgarh | 0.17 | 10.6 | 0.53 | 0.11 | 0.015 |
| Dhari | 0.14 | 8.7 | 0.43 | 0.087 | 0.012 |
| Betalghat | 0.13 | 8.0 | 0.40 | 0.080 | 0.011 |
| Total | 6.5 | 410.2 | 20.5 | 4.1 | 0.57 |

| DistrictLevel Taluk-wise Data for Pithoragarh ; Season : Yearly | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Gangahhat | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |
| Total | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |

| DistrictLevel Taluk-wise Data for Udhamasinghnagar ; Season : Yearly | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Gdarpur | 23.7 | 1481.6 | 74.1 | 14.8 | 2.1 |
| Ramgarh | 8.0 | 497.0 | 24.9 | 5.0 | 0.70 |
| Khatima | 4.1 | 255.1 | 12.8 | 2.6 | 0.36 |
| Rudrapur | 0.61 | 38.4 | 1.9 | 0.38 | 0.054 |
| Sitrganj | 0.59 | 37.0 | 1.9 | 0.37 | 0.052 |
| Katabagh | 0.53 | 33.3 | 1.7 | 0.33 | 0.047 |
| Kashipur | 0.36 | 22.7 | 1.1 | 0.23 | 0.032 |
| Jaspur | 0.071 | 4.5 | 0.22 | 0.045 | 0.0062 |
| Bajpur | 0.0022 | 0.14 | 0.0069 | 0.0014 | 0.00019 |
| Total | 37.9 | 2369.7 | 118.5 | 23.7 | 3.3 |

Taluk Level Residue Wise

| Taluk level Residue-wise Data for Chakrota ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |
| Total | | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |

| Taluk level Residue-wise Data for Bahdrabad ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 49.1 | 3049.0 | 152.5 | 30.5 | 4.3 |
| Total | | 49.1 | 3049.0 | 152.5 | 30.5 | 4.3 |

| Taluk level Residue-wise Data for Bhagwanpur ; Season : Yearly | | | | | | |
|---|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.26 | 16.2 | 0.81 | 0.16 | 0.023 |
| Total | | 0.26 | 16.2 | 0.81 | 0.16 | 0.023 |

| Taluk level Residue-wise Data for Khanpur ; Season : Yearly | | | | | | |
|--|---------|--------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.019 | 1.2 | 0.061 | 0.012 | 0.0017 |
| Total | | 0.019 | 1.2 | 0.061 | 0.012 | 0.0017 |

| Taluk level Residue-wise Data for Luksar ; Season : Yearly | | | | | | |
|---|---------|----------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.00028 | 0.017 | 0.00086 | 0.00017 | 2.42E-05 |
| Total | | 0.00028 | 0.017 | 0.00086 | 0.00017 | 2.42E-05 |

| Taluk level Residue-wise Data for Narsan ; Season : Yearly | | | | | | |
|---|---------|---------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.0012 | 0.075 | 0.0038 | 0.00075 | 0.00011 |
| Total | | 0.0012 | 0.075 | 0.0038 | 0.00075 | 0.00011 |

| Taluk level Residue-wise Data for Roorkee ; Season : Yearly | | | | | | |
|--|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.14 | 9.0 | 0.45 | 0.090 | 0.013 |
| Total | | 0.14 | 9.0 | 0.45 | 0.090 | 0.013 |

| Taluk level Residue-wise Data for Betalghat ; Season : Yearly | | | | | | |
|--|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.13 | 8.0 | 0.40 | 0.080 | 0.011 |
| Total | | 0.13 | 8.0 | 0.40 | 0.080 | 0.011 |

| Taluk level Residue-wise Data for Bhimtal ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 0.86 | 54.0 | 2.7 | 0.54 | 0.076 |
| Total | | 0.86 | 54.0 | 2.7 | 0.54 | 0.076 |

| Taluk level Residue-wise Data for Dhari ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.14 | 8.7 | 0.43 | 0.087 | 0.012 |
| Total | | 0.14 | 8.7 | 0.43 | 0.087 | 0.012 |

| Taluk level Residue-wise Data for Haldwani ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 2.2 | 139.4 | 7.0 | 1.4 | 0.20 |
| Total | | 2.2 | 139.4 | 7.0 | 1.4 | 0.20 |

| Taluk level Residue-wise Data for Katabagh ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 1.6 | 99.2 | 5.0 | 0.99 | 0.14 |
| Total | | 1.6 | 99.2 | 5.0 | 0.99 | 0.14 |

| Taluk level Residue-wise Data for Okhal Kanda ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.45 | 28.0 | 1.4 | 0.28 | 0.039 |
| Total | | 0.45 | 28.0 | 1.4 | 0.28 | 0.039 |

| Taluk level Residue-wise Data for Ram Nagar ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 0.99 | 62.3 | 3.1 | 0.62 | 0.087 |
| Total | | 0.99 | 62.3 | 3.1 | 0.62 | 0.087 |

| Taluk level Residue-wise Data for Ramgarh ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.17 | 10.6 | 0.53 | 0.11 | 0.015 |
| Total | | 0.17 | 10.6 | 0.53 | 0.11 | 0.015 |

| Taluk level Residue-wise Data for Gangahhat ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |
| Total | | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |

| Taluk level Residue-wise Data for Bajpur ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.0022 | 0.14 | 0.0069 | 0.0014 | 0.00019 |
| Total | | 0.0022 | 0.14 | 0.0069 | 0.0014 | 0.00019 |

| Taluk level Residue-wise Data for Gdarpur ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 23.7 | 1481.6 | 74.1 | 14.8 | 2.1 |
| Total | | 23.7 | 1481.6 | 74.1 | 14.8 | 2.1 |

| Taluk level Residue-wise Data for Jaspur ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.071 | 4.5 | 0.22 | 0.045 | 0.0062 |
| Total | | 0.071 | 4.5 | 0.22 | 0.045 | 0.0062 |

| Taluk level Residue-wise Data for Kashipur ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.36 | 22.7 | 1.1 | 0.23 | 0.032 |
| Total | | 0.36 | 22.7 | 1.1 | 0.23 | 0.032 |

| Taluk level Residue-wise Data for Katabagh ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.53 | 33.3 | 1.7 | 0.33 | 0.047 |
| Total | | 0.53 | 33.3 | 1.7 | 0.33 | 0.047 |

| Taluk level Residue-wise Data for Khatima ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 4.1 | 255.1 | 12.8 | 2.6 | 0.36 |
| Total | | 4.1 | 255.1 | 12.8 | 2.6 | 0.36 |

| Taluk level Residue-wise Data for Ramgarh ; Season : Yearly | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 8.0 | 497.0 | 24.9 | 5.0 | 0.70 |
| Total | | 8.0 | 497.0 | 24.9 | 5.0 | 0.70 |

| Taluk level Residue-wise Data for Rudrapur ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 0.61 | 38.4 | 1.9 | 0.38 | 0.054 |
| Total | | 0.61 | 38.4 | 1.9 | 0.38 | 0.054 |

| Taluk level Residue-wise Data for Sitrganj ; Season : Yearly | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 0.59 | 37.0 | 1.9 | 0.37 | 0.052 |
| Total | | 0.59 | 37.0 | 1.9 | 0.37 | 0.052 |

Agro

State Level Residue Wise

| State level Residue-wise Data for Uttaranchal; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 285.2 | 649.9 | 975.5 | 243.9 | 29.3 |
| Wheat | Pod | 403.7 | 706.2 | 211.7 | 105.8 | 14.8 |
| Wheat | Stalks | 403.7 | 706.2 | 1058.4 | 105.8 | 13.8 |
| Paddy | Husk | 285.2 | 649.9 | 130.1 | 104.1 | 11.4 |
| Sugarcane | Tops & Leaves | 100.4 | 6249.9 | 312.5 | 62.5 | 8.8 |
| Maize | Stalks | 26.9 | 39.2 | 78.4 | 31.4 | 4.1 |
| Smallmillets | Stalks | 148.6 | 194.4 | 233.5 | 23.3 | 3.0 |
| Maize | Cobs | 26.9 | 39.2 | 19.6 | 9.8 | 1.4 |
| Mustard | Husk | 12.2 | 10.4 | 5.3 | 5.0 | 0.60 |
| Barley | Stalks | 23.7 | 27.3 | 35.4 | 3.5 | 0.46 |
| Mustard | Stalks | 12.2 | 10.4 | 18.6 | 2.8 | 0.36 |
| Others | Others | 8.9 | 9.0 | 6.4 | 1.1 | 0.14 |
| Masoor | Stalks | 6.1 | 4.5 | 8.0 | 0.80 | 0.10 |
| Groundnut | Stalks | 2.8 | 2.5 | 5.0 | 0.50 | 0.065 |
| Groundnut | Shell | 2.8 | 2.5 | 0.75 | 0.53 | 0.063 |
| Total | | 1018.5 | 7893.0 | 3099.2 | 700.9 | 88.3 |

State Level District Wise

| State level District-wise Data for Uttaranchal ; Biomass Class : Agro | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| District | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Udhamsinghnagar | 233.6 | 2950.8 | 1136.9 | 273.3 | 34.0 |
| Haridwar | 130.9 | 3274.1 | 503.9 | 108.4 | 14.1 |
| Nainital | 64.5 | 541.6 | 265.9 | 67.8 | 8.7 |
| Pauri Garhwal | 118.0 | 132.7 | 218.3 | 50.3 | 6.3 |
| Dehradun | 62.2 | 485.2 | 184.9 | 47.9 | 6.1 |
| Tehri Garhwal | 94.9 | 114.2 | 169.5 | 29.2 | 3.7 |
| Almora | 115.8 | 119.8 | 174.6 | 25.7 | 3.3 |
| Uttar Kashi | 45.0 | 66.8 | 107.0 | 24.4 | 3.0 |
| Chamoli | 52.8 | 70.4 | 110.3 | 22.8 | 2.8 |
| Bagheshwar | 37.8 | 51.8 | 81.8 | 16.6 | 2.1 |

| District | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|--------------|---------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Pithoragarh | 24.7 | 32.0 | 55.4 | 14.0 | 1.7 |
| Champawat | 23.1 | 33.9 | 56.7 | 11.9 | 1.5 |
| Rudraprayag | 15.2 | 19.6 | 34.1 | 8.6 | 1.0 |
| Total | 1018.5 | 7893.0 | 3099.2 | 700.9 | 88.3 |

State Level Taluk Wise

| State level Taluk-wise Data for Uttarakhand ; Biomass Class : Agro | | | | | | |
|--|-------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Haridwar | Bahdrabad | 112.9 | 3202.5 | 425.6 | 84.3 | 11.3 |
| Udhamsinghnagar | Gdarpur | 48.1 | 1554.2 | 197.6 | 53.6 | 6.6 |
| Udhamsinghnagar | Khatima | 50.3 | 397.4 | 267.2 | 49.9 | 6.6 |
| Udhamsinghnagar | Jaspur | 39.1 | 122.3 | 207.0 | 49.0 | 6.1 |
| Udhamsinghnagar | Sitrganj | 30.5 | 124.7 | 151.6 | 46.9 | 5.5 |
| Udhamsinghnagar | Kashipur | 31.7 | 117.4 | 167.3 | 39.7 | 4.9 |
| Udhamsinghnagar | Ramgarh | 29.3 | 553.9 | 126.6 | 29.2 | 3.7 |
| Dehradun | Chakrota | 27.6 | 432.3 | 90.2 | 27.0 | 3.4 |
| Nainital | Haldwani | 24.0 | 187.3 | 97.4 | 22.2 | 2.9 |
| Haridwar | Khanpur | 16.5 | 44.6 | 73.8 | 23.2 | 2.7 |
| Pauri Garhwal | Akeshwar | 28.3 | 33.3 | 58.2 | 14.5 | 1.8 |
| Nainital | Betalghat | 10.0 | 33.3 | 45.2 | 13.6 | 1.6 |
| Nainital | Katabagh | 11.6 | 122.8 | 48.1 | 11.6 | 1.5 |
| Tehri Garhwal | Jaunpur | 27.3 | 33.5 | 53.5 | 11.2 | 1.4 |
| Bagheshwar | Bageshwer | 27.0 | 36.6 | 55.5 | 9.8 | 1.2 |
| Dehradun | Doiwala | 21.9 | 31.2 | 55.1 | 9.1 | 1.2 |
| Dehradun | Vikasnagar | 8.2 | 15.5 | 29.2 | 9.3 | 1.2 |
| Uttar Kashi | Naugaon | 14.3 | 22.1 | 36.1 | 8.9 | 1.1 |
| Almora | Shiyalday | 39.1 | 39.9 | 58.3 | 8.0 | 1.1 |
| Pauri Garhwal | Dwarikhal | 14.5 | 15.7 | 28.3 | 7.5 | 0.95 |
| Nainital | Okhal Kanda | 5.5 | 37.8 | 21.5 | 6.3 | 0.83 |
| Uttar Kashi | Mori | 9.7 | 14.9 | 24.4 | 6.1 | 0.73 |
| Nainital | Ram Nagar | 4.9 | 70.6 | 19.6 | 5.3 | 0.70 |
| Rudraprayag | Augustmuni | 9.8 | 12.6 | 21.9 | 5.5 | 0.67 |
| Bagheshwar | Garur | 7.3 | 10.4 | 18.0 | 4.7 | 0.57 |
| Pithoragarh | Dharchula | 8.1 | 10.5 | 18.3 | 4.6 | 0.57 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|----------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Pithoragarh | Berinag | 8.0 | 10.3 | 17.9 | 4.5 | 0.55 |
| Chamoli | Gairsain | 9.9 | 13.3 | 21.0 | 4.4 | 0.54 |
| Uttar Kashi | Chinyali Sour | 9.0 | 12.8 | 20.5 | 4.3 | 0.54 |
| Nainital | Ramgarh | 4.1 | 20.2 | 17.7 | 4.3 | 0.54 |
| Chamoli | Dasoli | 8.4 | 11.5 | 18.7 | 4.3 | 0.52 |
| Almora | Salt | 16.3 | 16.9 | 24.8 | 3.7 | 0.48 |
| Udhamsinghnagar | Rudrapur | 3.3 | 45.1 | 13.7 | 3.8 | 0.46 |
| Champawat | Gangahhat | 7.5 | 11.1 | 18.2 | 3.6 | 0.46 |
| Chamoli | Karanprayag | 6.5 | 9.0 | 14.7 | 3.8 | 0.46 |
| Tehri Garhwal | Narender Nagar | 12.1 | 14.2 | 21.1 | 3.4 | 0.44 |
| Pauri Garhwal | Nainidanda | 5.7 | 6.1 | 11.5 | 3.3 | 0.42 |
| Pauri Garhwal | Pokhra | 5.0 | 6.7 | 11.5 | 3.6 | 0.42 |
| Nainital | Bhimtal | 3.4 | 58.8 | 11.9 | 3.3 | 0.42 |
| Champawat | Pati | 5.8 | 8.4 | 14.5 | 3.3 | 0.41 |
| Pauri Garhwal | Rikhnikhal | 9.2 | 9.2 | 15.5 | 3.3 | 0.41 |
| Chamoli | Pokhri | 10.1 | 13.0 | 19.1 | 3.2 | 0.41 |
| Almora | Doladevi | 14.9 | 15.2 | 22.1 | 3.1 | 0.41 |
| Pauri Garhwal | Pavo | 8.1 | 10.2 | 14.8 | 3.2 | 0.40 |
| Tehri Garhwal | Tholdhar | 12.8 | 15.4 | 21.5 | 3.0 | 0.40 |
| Pauri Garhwal | Kot | 8.3 | 8.9 | 15.4 | 2.9 | 0.38 |
| Rudraprayag | Ukhimath | 5.4 | 7.0 | 12.2 | 3.1 | 0.38 |
| Pauri Garhwal | Dugadda | 6.6 | 7.7 | 13.0 | 2.9 | 0.36 |
| Tehri Garhwal | Jakholi | 7.0 | 8.8 | 13.4 | 2.6 | 0.33 |
| Chamoli | Ghat | 7.7 | 9.9 | 15.2 | 2.5 | 0.32 |
| Almora | Bikyasain | 7.7 | 8.4 | 12.9 | 2.6 | 0.32 |
| Tehri Garhwal | Pratapnagar | 9.0 | 10.5 | 15.2 | 2.3 | 0.30 |
| Chamoli | Tharali | 4.6 | 6.1 | 9.9 | 2.2 | 0.28 |
| Chamoli | Narayan Bagad | 5.1 | 7.0 | 10.7 | 2.2 | 0.27 |
| Pauri Garhwal | Yamkeshwar | 4.8 | 5.5 | 9.4 | 2.2 | 0.27 |
| Almora | Takula | 9.5 | 9.7 | 14.3 | 2.1 | 0.27 |
| Bagheshwar | Kapkote | 3.5 | 4.8 | 8.3 | 2.1 | 0.25 |
| Uttar Kashi | Bhatwadi | 4.3 | 6.2 | 9.6 | 1.9 | 0.24 |
| Uttar Kashi | Purola | 4.5 | 6.3 | 9.7 | 1.9 | 0.24 |
| Tehri Garhwal | Jakhnidhar | 7.8 | 8.8 | 12.8 | 1.8 | 0.24 |
| Pauri Garhwal | Narayan Bagad | 6.9 | 6.5 | 10.1 | 1.8 | 0.22 |
| Almora | Lamgara | 7.3 | 7.6 | 10.9 | 1.6 | 0.21 |
| Almora | Hawalbag | 8.2 | 8.5 | 11.7 | 1.5 | 0.20 |
| Champawat | Munshyari | 3.1 | 4.6 | 7.6 | 1.6 | 0.20 |

| District | Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|-----------------|--------------|---------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Pauri Garhwal | Pauri | 6.9 | 5.3 | 8.3 | 1.6 | 0.19 |
| Tehri Garhwal | Devprayag | 5.3 | 6.4 | 9.2 | 1.5 | 0.19 |
| Pithoragarh | Nunakoti | 2.7 | 3.5 | 6.1 | 1.5 | 0.19 |
| Tehri Garhwal | Chamba | 7.1 | 8.9 | 11.5 | 1.3 | 0.17 |
| Pauri Garhwal | Jahrikhal | 4.8 | 6.1 | 8.5 | 1.4 | 0.17 |
| Champawat | Bin | 2.6 | 3.9 | 6.5 | 1.4 | 0.17 |
| Pithoragarh | Kauli Chhina | 2.4 | 3.1 | 5.5 | 1.4 | 0.17 |
| Uttar Kashi | Dunda | 3.2 | 4.5 | 6.7 | 1.3 | 0.16 |
| Pithoragarh | Gangahhat | 2.3 | 3.2 | 5.2 | 1.3 | 0.16 |
| Udhamsinghnagar | Katabagh | 1.3 | 35.6 | 5.8 | 1.2 | 0.16 |
| Dehradun | Kalsi | 3.2 | 4.5 | 6.9 | 1.2 | 0.15 |
| Nainital | Dhari | 1.0 | 10.7 | 4.3 | 1.2 | 0.15 |
| Almora | Dwarahat | 3.8 | 4.2 | 6.3 | 1.2 | 0.15 |
| Tehri Garhwal | Bhilangna | 4.1 | 4.9 | 6.9 | 1.1 | 0.14 |
| Dehradun | Sahaspur | 1.0 | 1.3 | 2.8 | 1.1 | 0.14 |
| Champawat | Lohaghat | 2.2 | 3.3 | 5.4 | 1.1 | 0.14 |
| Pauri Garhwal | Kaljeekhal | 3.7 | 6.3 | 5.8 | 1.0 | 0.13 |
| Almora | Thadikhet | 4.2 | 4.3 | 6.2 | 0.96 | 0.12 |
| Tehri Garhwal | Kirtinagar | 2.4 | 3.0 | 4.5 | 0.86 | 0.11 |
| Pauri Garhwal | Taalisain | 3.9 | 3.7 | 5.5 | 0.73 | 0.097 |
| Champawat | Barakoti | 1.2 | 1.8 | 3.0 | 0.64 | 0.080 |
| Almora | Basiyachana | 2.6 | 2.7 | 3.7 | 0.49 | 0.064 |
| Pauri Garhwal | Beeronkhal | 1.3 | 1.5 | 2.4 | 0.49 | 0.062 |
| Almora | Chukutia | 2.3 | 2.4 | 3.4 | 0.47 | 0.061 |
| Pithoragarh | Didihat | 0.88 | 1.1 | 2.0 | 0.50 | 0.061 |
| Haridwar | Bhagwanpur | 0.78 | 17.1 | 2.4 | 0.44 | 0.059 |
| Champawat | Champawat | 0.64 | 0.93 | 1.6 | 0.34 | 0.042 |
| Haridwar | Narsan | 0.26 | 0.58 | 0.92 | 0.26 | 0.031 |
| Haridwar | Roorkee | 0.43 | 9.4 | 1.2 | 0.22 | 0.030 |
| Chamoli | Joshimath | 0.38 | 0.57 | 0.90 | 0.24 | 0.028 |
| Dehradun | Raipur | 0.33 | 0.39 | 0.68 | 0.16 | 0.021 |
| Pithoragarh | Munshyari | 0.19 | 0.25 | 0.44 | 0.11 | 0.013 |
| Nainital | Bajpur | 0.037 | 0.075 | 0.16 | 0.047 | 0.0063 |
| Udhamsinghnagar | Bajpur | 0.0066 | 0.14 | 0.017 | 0.0051 | 0.00067 |
| Haridwar | Luksar | 0.00083 | 0.018 | 0.0027 | 0.00048 | 6.46E-05 |
| Total | | 1018.5 | 7893.0 | 3099.2 | 700.9 | 88.3 |

District Level Residue Wise

| District level Residue-wise Data for Almora; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 56.3 | 65.3 | 78.6 | 7.9 | 1.0 |
| Wheat | Pod | 46.4 | 40.8 | 12.3 | 6.1 | 0.86 |
| Wheat | Stalks | 46.4 | 40.8 | 61.3 | 6.1 | 0.80 |
| Paddy | Straw | 6.3 | 8.2 | 12.3 | 3.1 | 0.37 |
| Others | Others | 6.9 | 5.5 | 8.6 | 1.2 | 0.15 |
| Paddy | Husk | 6.3 | 8.2 | 1.6 | 1.3 | 0.14 |
| Total | | 115.8 | 119.8 | 174.6 | 25.7 | 3.3 |

| District level Residue-wise Data for Bagheshwar; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 10.1 | 16.9 | 25.4 | 6.3 | 0.76 |
| Wheat | Pod | 16.8 | 18.5 | 5.5 | 2.8 | 0.39 |
| Wheat | Stalks | 16.8 | 18.5 | 27.7 | 2.8 | 0.36 |
| Paddy | Husk | 10.1 | 16.9 | 3.4 | 2.7 | 0.30 |
| Smallmillets | Stalks | 9.1 | 14.3 | 17.1 | 1.7 | 0.22 |
| Others | Others | 1.7 | 2.0 | 2.6 | 0.26 | 0.034 |
| Total | | 37.8 | 51.8 | 81.8 | 16.6 | 2.1 |

| District level Residue-wise Data for Chamoli; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.2 | 23.8 | 35.5 | 8.9 | 1.1 |
| Wheat | Pod | 19.2 | 22.0 | 6.6 | 3.3 | 0.46 |
| Wheat | Stalks | 19.2 | 22.0 | 33.1 | 3.3 | 0.43 |
| Paddy | Husk | 15.2 | 23.8 | 4.7 | 3.8 | 0.42 |
| Smallmillets | Stalks | 15.1 | 21.1 | 25.4 | 2.5 | 0.33 |
| Others | Others | 3.4 | 3.5 | 4.9 | 0.97 | 0.12 |
| Total | | 52.8 | 70.4 | 110.3 | 22.8 | 2.8 |

| District level Residue-wise Data for Champawat; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 8.1 | 11.4 | 17.2 | 4.3 | 0.51 |
| Wheat | Pod | 11.8 | 17.4 | 5.2 | 2.6 | 0.36 |
| Wheat | Stalks | 11.8 | 17.4 | 26.0 | 2.6 | 0.34 |
| Paddy | Husk | 8.1 | 11.4 | 2.3 | 1.8 | 0.20 |
| Smallmillets | Stalks | 3.2 | 5.1 | 6.1 | 0.61 | 0.080 |
| Total | | 23.1 | 33.9 | 56.7 | 11.9 | 1.5 |

| District level Residue-wise Data for Dehradun; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 14.6 | 34.9 | 52.4 | 13.1 | 1.6 |
| Maize | Stalks | 9.4 | 12.6 | 25.2 | 10.1 | 1.3 |
| Wheat | Pod | 23.8 | 35.4 | 10.6 | 5.3 | 0.74 |
| Wheat | Stalks | 23.8 | 35.4 | 52.9 | 5.3 | 0.69 |
| Paddy | Husk | 14.6 | 34.9 | 7.0 | 5.6 | 0.62 |
| Sugarcane | Tops & Leaves | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |
| Maize | Cobs | 9.4 | 12.6 | 6.3 | 3.2 | 0.44 |
| Others | Others | 4.5 | 3.3 | 4.9 | 0.85 | 0.11 |
| Smallmillets | Stalks | 3.6 | 4.8 | 5.7 | 0.57 | 0.075 |
| Total | | 62.2 | 485.2 | 184.9 | 47.9 | 6.1 |

| District level Residue-wise Data for Haridwar; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 49.5 | 3075.5 | 153.8 | 30.8 | 4.3 |
| Paddy | Straw | 25.9 | 68.5 | 102.6 | 25.7 | 3.1 |
| Wheat | Pod | 46.1 | 113.4 | 34.0 | 17.0 | 2.4 |
| Wheat | Stalks | 46.1 | 113.4 | 170.2 | 17.0 | 2.2 |
| Paddy | Husk | 25.9 | 68.5 | 13.7 | 10.9 | 1.2 |
| Maize | Stalks | 2.8 | 4.5 | 8.9 | 3.6 | 0.47 |
| Barley | Stalks | 2.9 | 9.3 | 12.1 | 1.2 | 0.16 |
| Maize | Cobs | 2.8 | 4.5 | 2.2 | 1.1 | 0.16 |
| Groundnut | Stalks | 2.8 | 2.5 | 5.0 | 0.50 | 0.065 |
| Groundnut | Shell | 2.8 | 2.5 | 0.75 | 0.53 | 0.063 |
| Others | Others | 0.79 | 0.43 | 0.55 | 0.089 | 0.011 |
| Total | | 130.9 | 3274.1 | 503.9 | 108.4 | 14.1 |

| District level Residue-wise Data for Nainital; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.7 | 44.7 | 67.1 | 16.8 | 2.0 |
| Maize | Stalks | 9.7 | 17.1 | 34.3 | 13.7 | 1.8 |
| Wheat | Pod | 29.4 | 66.5 | 19.9 | 10.0 | 1.4 |
| Wheat | Stalks | 29.4 | 66.5 | 99.7 | 10.0 | 1.3 |
| Paddy | Husk | 15.7 | 44.7 | 8.9 | 7.2 | 0.79 |
| Maize | Cobs | 9.7 | 17.1 | 8.6 | 4.3 | 0.60 |
| Sugarcane | Tops & Leaves | 6.5 | 410.2 | 20.5 | 4.1 | 0.57 |
| Mustard | Husk | 2.4 | 2.1 | 1.1 | 1.0 | 0.12 |
| Mustard | Stalks | 2.4 | 2.1 | 3.8 | 0.57 | 0.074 |
| Others | Others | 0.74 | 1.0 | 1.8 | 0.18 | 0.023 |
| Total | | 64.5 | 541.6 | 265.9 | 67.8 | 8.7 |

| District level Residue-wise Data for Pauri Garhwal; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 38.2 | 51.5 | 77.5 | 19.4 | 2.3 |
| Wheat | Pod | 50.4 | 50.9 | 15.3 | 7.6 | 1.1 |
| Wheat | Stalks | 50.4 | 50.9 | 76.4 | 7.6 | 0.99 |
| Paddy | Husk | 38.2 | 51.5 | 10.3 | 8.3 | 0.91 |
| Maize | Stalks | 3.8 | 4.0 | 7.9 | 3.2 | 0.41 |
| Smallmillets | Stalks | 7.7 | 10.3 | 12.4 | 1.2 | 0.16 |
| Barley | Stalks | 11.9 | 9.2 | 11.9 | 1.2 | 0.15 |
| Maize | Cobs | 3.8 | 4.0 | 2.0 | 0.98 | 0.14 |
| Others | Others | 6.0 | 6.8 | 4.7 | 0.83 | 0.10 |
| Total | | 118.0 | 132.7 | 218.3 | 50.3 | 6.3 |

| District level Residue-wise Data for Pithoragarh; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 12.4 | 18.8 | 28.2 | 7.1 | 0.85 |
| Paddy | Husk | 12.4 | 18.8 | 3.8 | 3.0 | 0.33 |
| Wheat | Pod | 12.3 | 12.9 | 3.9 | 1.9 | 0.27 |
| Wheat | Stalks | 12.3 | 12.9 | 19.5 | 1.9 | 0.25 |
| Others | Others | 0.0042 | 0.26 | 0.013 | 0.0026 | 0.00036 |
| Total | | 24.7 | 32.0 | 55.4 | 14.0 | 1.7 |

| District level Residue-wise Data for Rudraprayag; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 7.7 | 11.5 | 17.2 | 4.3 | 0.52 |
| Paddy | Husk | 7.7 | 11.5 | 2.3 | 1.8 | 0.20 |
| Wheat | Pod | 7.5 | 8.0 | 2.4 | 1.2 | 0.17 |
| Wheat | Stalks | 7.5 | 8.0 | 12.1 | 1.2 | 0.16 |
| Others | Others | 0.041 | 0.051 | 0.062 | 0.0062 | 0.00080 |
| Total | | 15.2 | 19.6 | 34.1 | 8.6 | 1.0 |

| District level Residue-wise Data for Tehri Garhwal; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 12.0 | 20.9 | 31.4 | 7.8 | 0.94 |
| Smallmillets | Stalks | 42.1 | 56.1 | 67.2 | 6.7 | 0.87 |
| Wheat | Pod | 38.3 | 35.3 | 10.5 | 5.3 | 0.74 |
| Wheat | Stalks | 38.3 | 35.3 | 52.7 | 5.3 | 0.68 |
| Paddy | Husk | 12.0 | 20.9 | 4.2 | 3.3 | 0.37 |
| Others | Others | 2.4 | 2.0 | 3.6 | 0.80 | 0.10 |
| Total | | 94.9 | 114.2 | 169.5 | 29.2 | 3.7 |

| District level Residue-wise Data for Udham Singh Nagar; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 103.3 | 307.9 | 462.5 | 115.6 | 13.9 |
| Wheat | Pod | 85.1 | 267.3 | 80.1 | 40.1 | 5.6 |
| Paddy | Husk | 103.3 | 307.9 | 61.7 | 49.3 | 5.4 |
| Wheat | Stalks | 85.1 | 267.3 | 400.5 | 40.1 | 5.2 |
| Sugarcane | Tops & Leaves | 37.9 | 2369.7 | 118.5 | 23.7 | 3.3 |
| Mustard | Husk | 6.0 | 5.0 | 2.5 | 2.4 | 0.29 |
| Mustard | Stalks | 6.0 | 5.0 | 9.0 | 1.3 | 0.17 |
| Maize | Stalks | 0.69 | 0.69 | 1.4 | 0.55 | 0.071 |
| Others | Others | 0.59 | 0.25 | 0.74 | 0.22 | 0.030 |
| Total | | 233.6 | 2950.8 | 1136.9 | 273.3 | 34.0 |

| District level Residue-wise Data for Uttarakashi; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.7 | 30.8 | 46.1 | 11.5 | 1.4 |
| Paddy | Husk | 15.7 | 30.8 | 6.1 | 4.9 | 0.54 |
| Wheat | Pod | 16.5 | 17.7 | 5.3 | 2.6 | 0.37 |
| Wheat | Stalks | 16.5 | 17.7 | 26.5 | 2.6 | 0.34 |
| Smallmillets | Stalks | 11.2 | 17.1 | 20.5 | 2.0 | 0.27 |
| Others | Others | 1.5 | 1.3 | 2.5 | 0.64 | 0.080 |
| Total | | 45.0 | 66.8 | 107.0 | 24.4 | 3.0 |

District Level Taluk Wise

| District Level Taluk-wise Data for Almora ; Biomass Class : Agro | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Shiyalday | 39.1 | 39.9 | 58.3 | 8.0 | 1.1 |
| Salt | 16.3 | 16.9 | 24.8 | 3.7 | 0.48 |
| Doladevi | 14.9 | 15.2 | 22.1 | 3.1 | 0.41 |
| Bikyasain | 7.7 | 8.4 | 12.9 | 2.6 | 0.32 |
| Takula | 9.5 | 9.7 | 14.3 | 2.1 | 0.27 |
| Lamgara | 7.3 | 7.6 | 10.9 | 1.6 | 0.21 |
| Hawalbag | 8.2 | 8.5 | 11.7 | 1.5 | 0.20 |

| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|--------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Dwarahat | 3.8 | 4.2 | 6.3 | 1.2 | 0.15 |
| Thadikhet | 4.2 | 4.3 | 6.2 | 0.96 | 0.12 |
| Basiyachana | 2.6 | 2.7 | 3.7 | 0.49 | 0.064 |
| Chukutia | 2.3 | 2.4 | 3.4 | 0.47 | 0.061 |
| Total | | 115.8 | 119.8 | 174.6 | 25.7 |

| DistrictLevel Taluk-wise Data for Bagheshwar ; Biomass Class : Agro | | | | | |
|--|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Bageshwer | 27.0 | 36.6 | 55.5 | 9.8 | 1.2 |
| Garur | 7.3 | 10.4 | 18.0 | 4.7 | 0.57 |
| Kapkote | 3.5 | 4.8 | 8.3 | 2.1 | 0.25 |
| Total | | 37.8 | 51.8 | 81.8 | 16.6 |

| DistrictLevel Taluk-wise Data for Chamoli ; Biomass Class : Agro | | | | | |
|---|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Gairsain | 9.9 | 13.3 | 21.0 | 4.4 | 0.54 |
| Dasoli | 8.4 | 11.5 | 18.7 | 4.3 | 0.52 |
| Karanprayag | 6.5 | 9.0 | 14.7 | 3.8 | 0.46 |
| Pokhri | 10.1 | 13.0 | 19.1 | 3.2 | 0.41 |
| Ghat | 7.7 | 9.9 | 15.2 | 2.5 | 0.32 |
| Tharali | 4.6 | 6.1 | 9.9 | 2.2 | 0.28 |
| Narayan Bagad | 5.1 | 7.0 | 10.7 | 2.2 | 0.27 |
| Joshimath | 0.38 | 0.57 | 0.90 | 0.24 | 0.028 |
| Total | | 52.8 | 70.4 | 110.3 | 22.8 |

| DistrictLevel Taluk-wise Data for Champawat ; Biomass Class : Agro | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Gangahhat | 7.5 | 11.1 | 18.2 | 3.6 | 0.46 |
| Pati | 5.8 | 8.4 | 14.5 | 3.3 | 0.41 |
| Munshyari | 3.1 | 4.6 | 7.6 | 1.6 | 0.20 |
| Bin | 2.6 | 3.9 | 6.5 | 1.4 | 0.17 |
| Lohaghat | 2.2 | 3.3 | 5.4 | 1.1 | 0.14 |
| Barakoti | 1.2 | 1.8 | 3.0 | 0.64 | 0.080 |
| Champawat | 0.64 | 0.93 | 1.6 | 0.34 | 0.042 |
| Total | | 23.1 | 33.9 | 56.7 | 11.9 |

| DistrictLevel Taluk-wise Data for Dehradun ; Biomass Class : Agro | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Chakrota | 27.6 | 432.3 | 90.2 | 27.0 | 3.4 |
| Doiwala | 21.9 | 31.2 | 55.1 | 9.1 | 1.2 |
| Vikasnagar | 8.2 | 15.5 | 29.2 | 9.3 | 1.2 |
| Kalsi | 3.2 | 4.5 | 6.9 | 1.2 | 0.15 |
| Sahaspur | 1.0 | 1.3 | 2.8 | 1.1 | 0.14 |
| Raipur | 0.33 | 0.39 | 0.68 | 0.16 | 0.021 |
| Total | | 62.2 | 485.2 | 184.9 | 47.9 |

| DistrictLevel Taluk-wise Data for Haridwar ; Biomass Class : Agro | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Bahdrabad | 112.9 | 3202.5 | 425.6 | 84.3 | 11.3 |
| Khanpur | 16.5 | 44.6 | 73.8 | 23.2 | 2.7 |
| Bhagwanpur | 0.78 | 17.1 | 2.4 | 0.44 | 0.059 |
| Narsan | 0.26 | 0.58 | 0.92 | 0.26 | 0.031 |
| Roorkee | 0.43 | 9.4 | 1.2 | 0.22 | 0.030 |
| Luksar | 0.00083 | 0.018 | 0.0027 | 0.00048 | 6.46E-05 |
| Total | | 130.9 | 3274.1 | 503.9 | 108.4 |

| DistrictLevel Taluk-wise Data for Nainital ; Biomass Class : Agro | | | | | |
|--|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Haldwani | 24.0 | 187.3 | 97.4 | 22.2 | 2.9 |
| Betalghat | 10.0 | 33.3 | 45.2 | 13.6 | 1.6 |
| Katabagh | 11.6 | 122.8 | 48.1 | 11.6 | 1.5 |
| Okhal Kanda | 5.5 | 37.8 | 21.5 | 6.3 | 0.83 |
| Ram Nagar | 4.9 | 70.6 | 19.6 | 5.3 | 0.70 |
| Ramgarh | 4.1 | 20.2 | 17.7 | 4.3 | 0.54 |
| Bhimtal | 3.4 | 58.8 | 11.9 | 3.3 | 0.42 |
| Dhari | 1.0 | 10.7 | 4.3 | 1.2 | 0.15 |
| Bajpur | 0.037 | 0.075 | 0.16 | 0.047 | 0.0063 |
| Total | | 64.5 | 541.6 | 265.9 | 67.8 |

| DistrictLevel Taluk-wise Data for Pauri Garhwal ; Biomass Class : Agro | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Akeshwar | 28.3 | 33.3 | 58.2 | 14.5 | 1.8 |
| Dwarikhal | 14.5 | 15.7 | 28.3 | 7.5 | 0.95 |
| Nainidanda | 5.7 | 6.1 | 11.5 | 3.3 | 0.42 |
| Pokhra | 5.0 | 6.7 | 11.5 | 3.6 | 0.42 |
| Rikhnikhal | 9.2 | 9.2 | 15.5 | 3.3 | 0.41 |
| Pavo | 8.1 | 10.2 | 14.8 | 3.2 | 0.40 |
| Kot | 8.3 | 8.9 | 15.4 | 2.9 | 0.38 |
| Dugadda | 6.6 | 7.7 | 13.0 | 2.9 | 0.36 |
| Yamkeshwar | 4.8 | 5.5 | 9.4 | 2.2 | 0.27 |
| Narayan Bagad | 6.9 | 6.5 | 10.1 | 1.8 | 0.22 |
| Pauri | 6.9 | 5.3 | 8.3 | 1.6 | 0.19 |
| Jahrikhal | 4.8 | 6.1 | 8.5 | 1.4 | 0.17 |
| Kaljeekhal | 3.7 | 6.3 | 5.8 | 1.0 | 0.13 |
| Taalisain | 3.9 | 3.7 | 5.5 | 0.73 | 0.097 |
| Beeronkhal | 1.3 | 1.5 | 2.4 | 0.49 | 0.062 |
| Total | | 118.0 | 132.7 | 218.3 | 50.3 |

| DistrictLevel Taluk-wise Data for Pithoragarh ; Biomass Class : Agro | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Dharchula | 8.1 | 10.5 | 18.3 | 4.6 | 0.57 |
| Berinag | 8.0 | 10.3 | 17.9 | 4.5 | 0.55 |
| Nunakoti | 2.7 | 3.5 | 6.1 | 1.5 | 0.19 |
| Kauli Chhina | 2.4 | 3.1 | 5.5 | 1.4 | 0.17 |
| Gangahhat | 2.3 | 3.2 | 5.2 | 1.3 | 0.16 |
| Didihat | 0.88 | 1.1 | 2.0 | 0.50 | 0.061 |
| Munshyari | 0.19 | 0.25 | 0.44 | 0.11 | 0.013 |
| Total | | 24.7 | 32.0 | 55.4 | 14.0 |

| DistrictLevel Taluk-wise Data for Rudraprayag ; Biomass Class : Agro | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Augustmuni | 9.8 | 12.6 | 21.9 | 5.5 | 0.67 |
| Ukhimath | 5.4 | 7.0 | 12.2 | 3.1 | 0.38 |
| Total | | 15.2 | 19.6 | 34.1 | 8.6 |

| DistrictLevel Taluk-wise Data for Tehri Garhwal ; Biomass Class : Agro | | | | | |
|---|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Jaunpur | 27.3 | 33.5 | 53.5 | 11.2 | 1.4 |
| Narender Nagar | 12.1 | 14.2 | 21.1 | 3.4 | 0.44 |
| Tholdhar | 12.8 | 15.4 | 21.5 | 3.0 | 0.40 |
| Jakholi | 7.0 | 8.8 | 13.4 | 2.6 | 0.33 |
| Pratapnagar | 9.0 | 10.5 | 15.2 | 2.3 | 0.30 |
| Jakhnidhar | 7.8 | 8.8 | 12.8 | 1.8 | 0.24 |
| Devprayag | 5.3 | 6.4 | 9.2 | 1.5 | 0.19 |
| Chamba | 7.1 | 8.9 | 11.5 | 1.3 | 0.17 |
| Bhilangna | 4.1 | 4.9 | 6.9 | 1.1 | 0.14 |
| Kirtinagar | 2.4 | 3.0 | 4.5 | 0.86 | 0.11 |
| Total | | 94.9 | 114.2 | 169.5 | 29.2 |

| DistrictLevel Taluk-wise Data for Udhamasinghnagar ; Biomass Class : Agro | | | | | |
|--|-----------------------|--|---|--|--------------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Gdarpur | 48.1 | 1554.2 | 197.6 | 53.6 | 6.6 |
| Khatima | 50.3 | 397.4 | 267.2 | 49.9 | 6.6 |
| Jaspur | 39.1 | 122.3 | 207.0 | 49.0 | 6.1 |
| Sitrganj | 30.5 | 124.7 | 151.6 | 46.9 | 5.5 |
| Kashipur | 31.7 | 117.4 | 167.3 | 39.7 | 4.9 |
| Ramgarh | 29.3 | 553.9 | 126.6 | 29.2 | 3.7 |
| Rudrapur | 3.3 | 45.1 | 13.7 | 3.8 | 0.46 |
| Katabagh | 1.3 | 35.6 | 5.8 | 1.2 | 0.16 |
| Bajpur | 0.0066 | 0.14 | 0.017 | 0.0051 | 0.00067 |
| Total | | 233.6 | 2950.8 | 1136.9 | 273.3 |

| DistrictLevel Taluk-wise Data for Uttar Kashi ; Biomass Class : Agro | | | | | |
|---|-----------------------|--|---|--|--------------------------------------|
| Taluk | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Naugaon | 14.3 | 22.1 | 36.1 | 8.9 | 1.1 |
| Mori | 9.7 | 14.9 | 24.4 | 6.1 | 0.73 |
| Chinyali Sour | 9.0 | 12.8 | 20.5 | 4.3 | 0.54 |
| Bhatwadi | 4.3 | 6.2 | 9.6 | 1.9 | 0.24 |
| Purola | 4.5 | 6.3 | 9.7 | 1.9 | 0.24 |
| Dunda | 3.2 | 4.5 | 6.7 | 1.3 | 0.16 |
| Total | | 45.0 | 66.8 | 107.0 | 24.4 |

Taluk Level Residue Wise

| Taluk level Residue-wise Data for Basiyachana ; Biomass Class : Agro | | | | | | |
|---|----------------|-----------------------|--|---|--|--------------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.6 | 2.7 | 3.7 | 0.49 | 0.064 |
| Total | | 2.6 | 2.7 | 3.7 | 0.49 | 0.064 |

| Taluk level Residue-wise Data for Bikyasain ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.7 | 2.3 | 4.7 | 1.1 | 0.14 |
| Paddy | Straw | 2.1 | 2.8 | 4.2 | 1.0 | 0.12 |
| Smallmillets | Stalks | 2.9 | 3.3 | 4.0 | 0.40 | 0.052 |
| Total | | 7.7 | 8.4 | 12.9 | 2.6 | 0.32 |

| Taluk level Residue-wise Data for Chukutia ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.3 | 2.4 | 3.4 | 0.47 | 0.061 |
| Total | | 2.3 | 2.4 | 3.4 | 0.47 | 0.061 |

| Taluk level Residue-wise Data for Doladevi ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 7.2 | 8.3 | 10.0 | 1.0 | 0.13 |
| Wheat | Pod | 6.7 | 5.9 | 1.8 | 0.89 | 0.12 |
| Wheat | Stalks | 6.7 | 5.9 | 8.9 | 0.89 | 0.12 |
| Others | Others | 0.98 | 0.99 | 1.5 | 0.31 | 0.037 |
| Total | | 14.9 | 15.2 | 22.1 | 3.1 | 0.41 |

| Taluk level Residue-wise Data for Dwarahat ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.9 | 2.9 | 4.4 | 0.74 | 0.094 |
| Paddy | Straw | 0.93 | 1.2 | 1.8 | 0.46 | 0.055 |
| Total | | 3.8 | 4.2 | 6.3 | 1.2 | 0.15 |

| Taluk level Residue-wise Data for Hawalbag ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.8 | 3.4 | 5.6 | 0.92 | 0.12 |
| Smallmillets | Stalks | 4.4 | 5.1 | 6.1 | 0.61 | 0.080 |
| Total | | 8.2 | 8.5 | 11.7 | 1.5 | 0.20 |

| Taluk level Residue-wise Data for Lamgara ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.4 | 3.0 | 5.4 | 1.1 | 0.14 |
| Smallmillets | Stalks | 4.0 | 4.6 | 5.5 | 0.55 | 0.072 |
| Total | | 7.3 | 7.6 | 10.9 | 1.6 | 0.21 |

| Taluk level Residue-wise Data for Salt ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 7.6 | 8.9 | 10.7 | 1.1 | 0.14 |
| Wheat | Pod | 7.5 | 6.6 | 2.0 | 0.99 | 0.14 |
| Wheat | Stalks | 7.5 | 6.6 | 9.9 | 0.99 | 0.13 |
| Paddy | Straw | 0.85 | 1.1 | 1.7 | 0.42 | 0.050 |
| Others | Others | 0.36 | 0.30 | 0.63 | 0.22 | 0.025 |
| Total | | 16.3 | 16.9 | 24.8 | 3.7 | 0.48 |

| Taluk level Residue-wise Data for Shiyalday ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 19.1 | 16.8 | 5.0 | 2.5 | 0.35 |
| Smallmillets | Stalks | 19.4 | 22.5 | 27.0 | 2.7 | 0.35 |
| Wheat | Stalks | 19.1 | 16.8 | 25.2 | 2.5 | 0.33 |
| Others | Others | 0.63 | 0.66 | 0.98 | 0.25 | 0.030 |
| Total | | 39.1 | 39.9 | 58.3 | 8.0 | 1.1 |

| Taluk level Residue-wise Data for Takula ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.2 | 2.0 | 3.4 | 0.67 | 0.081 |
| Smallmillets | Stalks | 4.4 | 5.1 | 6.2 | 0.62 | 0.080 |
| Wheat | Pod | 3.0 | 2.6 | 0.79 | 0.39 | 0.055 |
| Wheat | Stalks | 3.0 | 2.6 | 3.9 | 0.39 | 0.051 |
| Total | | 9.5 | 9.7 | 14.3 | 2.1 | 0.27 |

| Taluk level Residue-wise Data for Thadikhet ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 4.2 | 4.3 | 6.2 | 0.96 | 0.12 |
| Total | | 4.2 | 4.3 | 6.2 | 0.96 | 0.12 |

| Taluk level Residue-wise Data for Bageshwer ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.4 | 7.3 | 11.0 | 2.8 | 0.33 |
| Wheat | Pod | 11.9 | 13.1 | 3.9 | 2.0 | 0.27 |
| Wheat | Stalks | 11.9 | 13.1 | 19.5 | 2.0 | 0.25 |
| Smallmillets | Stalks | 9.1 | 14.3 | 17.1 | 1.7 | 0.22 |
| Paddy | Husk | 4.4 | 7.3 | 1.5 | 1.2 | 0.13 |
| Others | Others | 1.6 | 1.9 | 2.5 | 0.25 | 0.033 |
| Total | | 27.0 | 36.6 | 55.5 | 9.8 | 1.2 |

| Taluk level Residue-wise Data for Garur ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.1 | 6.8 | 10.2 | 2.5 | 0.31 |
| Paddy | Husk | 4.1 | 6.8 | 1.4 | 1.1 | 0.12 |
| Wheat | Pod | 3.3 | 3.6 | 1.1 | 0.54 | 0.076 |
| Wheat | Stalks | 3.3 | 3.6 | 5.4 | 0.54 | 0.070 |
| Total | | 7.3 | 10.4 | 18.0 | 4.7 | 0.57 |

| Taluk level Residue-wise Data for Kapkote ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.7 | 2.8 | 4.2 | 1.1 | 0.13 |
| Others | Others | 1.8 | 2.0 | 4.0 | 1.0 | 0.13 |
| Total | | 3.5 | 4.8 | 8.3 | 2.1 | 0.25 |

| Taluk level Residue-wise Data for Dasoli ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.5 | 5.4 | 8.1 | 2.0 | 0.24 |
| Paddy | Husk | 3.5 | 5.4 | 1.1 | 0.86 | 0.095 |
| Wheat | Pod | 3.2 | 3.7 | 1.1 | 0.55 | 0.077 |
| Wheat | Stalks | 3.2 | 3.7 | 5.5 | 0.55 | 0.071 |
| Others | Others | 1.8 | 2.5 | 3.0 | 0.30 | 0.039 |
| Total | | 8.4 | 11.5 | 18.7 | 4.3 | 0.52 |

| Taluk level Residue-wise Data for Gairsain ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.1 | 4.8 | 7.2 | 1.8 | 0.22 |
| Paddy | Husk | 3.1 | 4.8 | 0.96 | 0.77 | 0.085 |
| Wheat | Pod | 3.5 | 4.0 | 1.2 | 0.60 | 0.084 |
| Wheat | Stalks | 3.5 | 4.0 | 6.0 | 0.60 | 0.078 |
| Smallmillets | Stalks | 2.9 | 4.1 | 4.9 | 0.49 | 0.064 |
| Others | Others | 0.42 | 0.40 | 0.66 | 0.12 | 0.015 |
| Total | | 9.9 | 13.3 | 21.0 | 4.4 | 0.54 |

| Taluk level Residue-wise Data for Ghat ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 3.7 | 4.3 | 1.3 | 0.64 | 0.090 |
| Wheat | Stalks | 3.7 | 4.3 | 6.4 | 0.64 | 0.083 |
| Smallmillets | Stalks | 3.1 | 4.4 | 5.3 | 0.53 | 0.069 |
| Paddy | Straw | 0.76 | 1.2 | 1.8 | 0.44 | 0.053 |
| Others | Others | 0.095 | 0.076 | 0.41 | 0.25 | 0.028 |
| Total | | 7.7 | 9.9 | 15.2 | 2.5 | 0.32 |

| Taluk level Residue-wise Data for Joshimath ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.38 | 0.57 | 0.90 | 0.24 | 0.028 |
| Total | | 0.38 | 0.57 | 0.90 | 0.24 | 0.028 |

| Taluk level Residue-wise Data for Karanprayag ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.4 | 5.4 | 8.0 | 2.0 | 0.24 |
| Others | Others | 3.1 | 3.6 | 5.6 | 0.93 | 0.12 |
| Paddy | Husk | 3.4 | 5.4 | 1.1 | 0.85 | 0.094 |
| Total | | 6.5 | 9.0 | 14.7 | 3.8 | 0.46 |

| Taluk level Residue-wise Data for Narayan Bagad ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.5 | 4.5 | 7.0 | 1.3 | 0.16 |
| Paddy | Straw | 1.6 | 2.5 | 3.8 | 0.94 | 0.11 |
| Total | | 5.1 | 7.0 | 10.7 | 2.2 | 0.27 |

| Taluk level Residue-wise Data for Pokhri ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 4.4 | 5.0 | 1.5 | 0.75 | 0.11 |
| Wheat | Stalks | 4.4 | 5.0 | 7.5 | 0.75 | 0.098 |
| Smallmillets | Stalks | 3.7 | 5.1 | 6.1 | 0.61 | 0.080 |
| Paddy | Straw | 0.99 | 1.6 | 2.3 | 0.58 | 0.070 |
| Others | Others | 1.1 | 1.3 | 1.6 | 0.47 | 0.055 |
| Total | | 10.1 | 13.0 | 19.1 | 3.2 | 0.41 |

| Taluk level Residue-wise Data for Tharali ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.0 | 3.6 | 6.1 | 1.3 | 0.16 |
| Paddy | Straw | 1.6 | 2.5 | 3.8 | 0.94 | 0.11 |
| Total | | 4.6 | 6.1 | 9.9 | 2.2 | 0.28 |

| Taluk level Residue-wise Data for Barakoti ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.2 | 1.8 | 3.0 | 0.64 | 0.080 |
| Total | | 1.2 | 1.8 | 3.0 | 0.64 | 0.080 |

| Taluk level Residue-wise Data for Bin ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.7 | 2.6 | 4.6 | 0.89 | 0.11 |
| Paddy | Straw | 0.88 | 1.2 | 1.9 | 0.47 | 0.056 |
| Total | | 2.6 | 3.9 | 6.5 | 1.4 | 0.17 |

| Taluk level Residue-wise Data for Champawat ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.64 | 0.93 | 1.6 | 0.34 | 0.042 |
| Total | | 0.64 | 0.93 | 1.6 | 0.34 | 0.042 |

| Taluk level Residue-wise Data for Gangahhat ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.3 | 3.2 | 4.8 | 1.2 | 0.14 |
| Wheat | Pod | 3.8 | 5.5 | 1.7 | 0.83 | 0.12 |
| Wheat | Stalks | 3.8 | 5.5 | 8.3 | 0.83 | 0.11 |
| Paddy | Husk | 2.3 | 3.2 | 0.64 | 0.51 | 0.056 |
| Others | Others | 1.5 | 2.4 | 2.9 | 0.29 | 0.037 |
| Total | | 7.5 | 11.1 | 18.2 | 3.6 | 0.46 |

| Taluk level Residue-wise Data for Lohaghat ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.2 | 3.3 | 5.4 | 1.1 | 0.14 |
| Total | | 2.2 | 3.3 | 5.4 | 1.1 | 0.14 |

| Taluk level Residue-wise Data for Munshyari ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.0 | 3.1 | 5.3 | 1.0 | 0.13 |
| Paddy | Straw | 1.1 | 1.5 | 2.2 | 0.56 | 0.067 |
| Total | | 3.1 | 4.6 | 7.6 | 1.6 | 0.20 |

| Taluk level Residue-wise Data for Pati ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.6 | 3.6 | 5.4 | 1.4 | 0.16 |
| Wheat | Pod | 3.0 | 4.5 | 1.3 | 0.67 | 0.094 |
| Wheat | Stalks | 3.0 | 4.5 | 6.7 | 0.67 | 0.087 |
| Paddy | Husk | 2.6 | 3.6 | 0.72 | 0.58 | 0.064 |
| Others | Others | 0.19 | 0.31 | 0.38 | 0.038 | 0.0049 |
| Total | | 5.8 | 8.4 | 14.5 | 3.3 | 0.41 |

| Taluk level Residue-wise Data for Chakrota ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 10.3 | 24.7 | 37.0 | 9.3 | 1.1 |
| Maize | Stalks | 6.1 | 8.1 | 16.3 | 6.5 | 0.85 |
| Sugarcane | Tops & Leaves | 6.5 | 394.2 | 19.7 | 3.9 | 0.55 |
| Paddy | Husk | 10.3 | 24.7 | 4.9 | 3.9 | 0.43 |
| Maize | Cobs | 6.1 | 8.1 | 4.1 | 2.0 | 0.28 |
| Others | Others | 3.1 | 2.9 | 7.4 | 0.97 | 0.13 |
| Wheat | Pod | 1.6 | 2.4 | 0.72 | 0.36 | 0.050 |
| Total | | 27.6 | 432.3 | 90.2 | 27.0 | 3.4 |

| Taluk level Residue-wise Data for Doiwala ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 19.1 | 28.5 | 8.5 | 4.3 | 0.60 |
| Wheat | Stalks | 19.1 | 28.5 | 42.7 | 4.3 | 0.55 |
| Others | Others | 2.7 | 2.6 | 3.9 | 0.61 | 0.078 |
| Total | | 21.9 | 31.2 | 55.1 | 9.1 | 1.2 |

| Taluk level Residue-wise Data for Kalsi ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.2 | 4.5 | 6.9 | 1.2 | 0.15 |
| Total | | 3.2 | 4.5 | 6.9 | 1.2 | 0.15 |

| Taluk level Residue-wise Data for Raipur ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.33 | 0.39 | 0.68 | 0.16 | 0.021 |
| Total | | 0.33 | 0.39 | 0.68 | 0.16 | 0.021 |

| Taluk level Residue-wise Data for Sahaspur ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 0.67 | 0.90 | 1.8 | 0.72 | 0.094 |
| Others | Others | 0.34 | 0.39 | 1.0 | 0.35 | 0.047 |
| Total | | 1.0 | 1.3 | 2.8 | 1.1 | 0.14 |

| Taluk level Residue-wise Data for Vikasnagar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.0 | 9.7 | 14.5 | 3.6 | 0.43 |
| Maize | Stalks | 2.4 | 3.2 | 6.5 | 2.6 | 0.34 |
| Paddy | Husk | 4.0 | 9.7 | 1.9 | 1.5 | 0.17 |
| Maize | Cobs | 2.4 | 3.2 | 1.6 | 0.81 | 0.11 |
| Wheat | Pod | 1.7 | 2.6 | 0.78 | 0.39 | 0.055 |
| Wheat | Stalks | 1.7 | 2.6 | 3.9 | 0.39 | 0.051 |
| Total | | 8.2 | 15.5 | 29.2 | 9.3 | 1.2 |

| Taluk level Residue-wise Data for Bahdrabad ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Sugarcane | Tops & Leaves | 49.1 | 3049.0 | 152.5 | 30.5 | 4.3 |
| Wheat | Pod | 45.7 | 112.4 | 33.7 | 16.9 | 2.4 |
| Wheat | Stalks | 45.7 | 112.4 | 168.6 | 16.9 | 2.2 |
| Paddy | Straw | 9.4 | 24.8 | 37.1 | 9.3 | 1.1 |
| Maize | Stalks | 2.8 | 4.5 | 8.9 | 3.6 | 0.47 |
| Paddy | Husk | 9.4 | 24.8 | 4.9 | 4.0 | 0.44 |
| Barley | Stalks | 2.9 | 9.3 | 12.1 | 1.2 | 0.16 |
| Maize | Cobs | 2.8 | 4.5 | 2.2 | 1.1 | 0.16 |
| Groundnut | Stalks | 2.5 | 2.2 | 4.4 | 0.44 | 0.057 |
| Groundnut | Shell | 2.5 | 2.2 | 0.66 | 0.46 | 0.055 |
| Others | Others | 0.62 | 0.33 | 0.43 | 0.070 | 0.0087 |
| Total | | 112.9 | 3202.5 | 425.6 | 84.3 | 11.3 |

| Taluk level Residue-wise Data for Bhagwanpur ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.78 | 17.1 | 2.4 | 0.44 | 0.059 |
| Total | | 0.78 | 17.1 | 2.4 | 0.44 | 0.059 |

| Taluk level Residue-wise Data for Khanpur ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 16.4 | 43.3 | 64.9 | 16.2 | 1.9 |
| Paddy | Husk | 16.4 | 43.3 | 8.7 | 6.9 | 0.76 |
| Others | Others | 0.058 | 1.3 | 0.19 | 0.034 | 0.0045 |
| Total | | 16.5 | 44.6 | 73.8 | 23.2 | 2.7 |

| Taluk level Residue-wise Data for Luksar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.00083 | 0.018 | 0.0027 | 0.00048 | 6.46E-05 |
| Total | | 0.00083 | 0.018 | 0.0027 | 0.00048 | 6.46E-05 |

| Taluk level Residue-wise Data for Narsan ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.26 | 0.58 | 0.92 | 0.26 | 0.031 |
| Total | | 0.26 | 0.58 | 0.92 | 0.26 | 0.031 |

| Taluk level Residue-wise Data for Roorkee ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.43 | 9.4 | 1.2 | 0.22 | 0.030 |
| Total | | 0.43 | 9.4 | 1.2 | 0.22 | 0.030 |

| Taluk level Residue-wise Data for Bajpur ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.037 | 0.075 | 0.16 | 0.047 | 0.0063 |
| Total | | 0.037 | 0.075 | 0.16 | 0.047 | 0.0063 |

| Taluk level Residue-wise Data for Betalghat ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 7.1 | 20.3 | 30.5 | 7.6 | 0.92 |
| Paddy | Husk | 7.1 | 20.3 | 4.1 | 3.3 | 0.36 |
| Maize | Stalks | 0.73 | 1.3 | 2.6 | 1.0 | 0.13 |
| Others | Others | 0.66 | 8.5 | 2.1 | 0.74 | 0.098 |
| Wheat | Pod | 1.5 | 3.3 | 0.99 | 0.49 | 0.069 |
| Wheat | Stalks | 1.5 | 3.3 | 4.9 | 0.49 | 0.064 |
| Total | | 10.0 | 33.3 | 45.2 | 13.6 | 1.6 |

| Taluk level Residue-wise Data for Bhimtal ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.4 | 2.1 | 4.7 | 1.4 | 0.18 |
| Paddy | Straw | 0.70 | 2.0 | 3.0 | 0.75 | 0.090 |
| Sugarcane | Tops & Leaves | 0.86 | 54.0 | 2.7 | 0.54 | 0.076 |
| Maize | Stalks | 0.41 | 0.72 | 1.4 | 0.58 | 0.075 |
| Total | | 3.4 | 58.8 | 11.9 | 3.3 | 0.42 |

| Taluk level Residue-wise Data for Dhari ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.0 | 10.7 | 4.3 | 1.2 | 0.15 |
| Total | | 1.0 | 10.7 | 4.3 | 1.2 | 0.15 |

| Taluk level Residue-wise Data for Haldwani ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 15.3 | 34.6 | 10.4 | 5.2 | 0.73 |
| Maize | Stalks | 3.8 | 6.7 | 13.5 | 5.4 | 0.70 |
| Wheat | Stalks | 15.3 | 34.6 | 51.9 | 5.2 | 0.67 |
| Paddy | Straw | 2.1 | 5.9 | 8.8 | 2.2 | 0.26 |
| Maize | Cobs | 3.8 | 6.7 | 3.4 | 1.7 | 0.24 |
| Sugarcane | Tops & Leaves | 2.2 | 139.4 | 7.0 | 1.4 | 0.20 |
| Paddy | Husk | 2.1 | 5.9 | 1.2 | 0.94 | 0.10 |
| Others | Others | 0.58 | 0.68 | 1.4 | 0.23 | 0.029 |
| Total | | 24.0 | 187.3 | 97.4 | 22.2 | 2.9 |

| Taluk level Residue-wise Data for Katabagh ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.0 | 8.5 | 12.8 | 3.2 | 0.38 |
| Wheat | Pod | 5.8 | 13.1 | 3.9 | 2.0 | 0.27 |
| Wheat | Stalks | 5.8 | 13.1 | 19.6 | 2.0 | 0.26 |
| Maize | Stalks | 1.0 | 1.8 | 3.7 | 1.5 | 0.19 |
| Paddy | Husk | 3.0 | 8.5 | 1.7 | 1.4 | 0.15 |
| Sugarcane | Tops & Leaves | 1.6 | 99.2 | 5.0 | 0.99 | 0.14 |
| Maize | Cobs | 1.0 | 1.8 | 0.92 | 0.46 | 0.064 |
| Others | Others | 0.24 | 0.21 | 0.49 | 0.16 | 0.019 |
| Total | | 11.6 | 122.8 | 48.1 | 11.6 | 1.5 |

| Taluk level Residue-wise Data for Okhal Kanda ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 1.9 | 3.4 | 6.8 | 2.7 | 0.36 |
| Maize | Cobs | 1.9 | 3.4 | 1.7 | 0.85 | 0.12 |
| Others | Others | 1.1 | 28.6 | 3.0 | 0.88 | 0.11 |
| Wheat | Pod | 2.0 | 4.5 | 1.3 | 0.67 | 0.093 |
| Wheat | Stalks | 2.0 | 4.5 | 6.7 | 0.67 | 0.087 |
| Paddy | Straw | 0.47 | 1.3 | 2.0 | 0.50 | 0.060 |
| Total | | 5.5 | 37.8 | 21.5 | 6.3 | 0.83 |

| Taluk level Residue-wise Data for Ram Nagar ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 1.3 | 2.4 | 4.7 | 1.9 | 0.25 |
| Wheat | Pod | 1.8 | 4.2 | 1.3 | 0.63 | 0.088 |
| Sugarcane | Tops & Leaves | 0.99 | 62.3 | 3.1 | 0.62 | 0.087 |
| Maize | Cobs | 1.3 | 2.4 | 1.2 | 0.59 | 0.083 |
| Wheat | Stalks | 1.8 | 4.2 | 6.3 | 0.63 | 0.081 |
| Paddy | Straw | 0.59 | 1.7 | 2.5 | 0.63 | 0.076 |
| Others | Others | 0.12 | 0.10 | 0.57 | 0.35 | 0.039 |
| Total | | 4.9 | 70.6 | 19.6 | 5.3 | 0.70 |

| Taluk level Residue-wise Data for Ramgarh ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.5 | 4.3 | 6.4 | 1.6 | 0.19 |
| Wheat | Pod | 2.1 | 4.7 | 1.4 | 0.71 | 0.099 |
| Wheat | Stalks | 2.1 | 4.7 | 7.1 | 0.71 | 0.092 |
| Others | Others | 0.54 | 11.2 | 1.9 | 0.59 | 0.078 |
| Paddy | Husk | 1.5 | 4.3 | 0.86 | 0.69 | 0.075 |
| Total | | 4.1 | 20.2 | 17.7 | 4.3 | 0.54 |

| Taluk level Residue-wise Data for Akeshwar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 14.0 | 18.9 | 28.4 | 7.1 | 0.85 |
| Paddy | Husk | 14.0 | 18.9 | 3.8 | 3.0 | 0.33 |
| Wheat | Pod | 14.2 | 14.4 | 4.3 | 2.2 | 0.30 |
| Wheat | Stalks | 14.2 | 14.4 | 21.6 | 2.2 | 0.28 |
| Others | Others | 0.090 | 0.069 | 0.090 | 0.0090 | 0.0012 |
| Total | | 28.3 | 33.3 | 58.2 | 14.5 | 1.8 |

| Taluk level Residue-wise Data for Beeronkhal ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.3 | 1.5 | 2.4 | 0.49 | 0.062 |
| Total | | 1.3 | 1.5 | 2.4 | 0.49 | 0.062 |

| Taluk level Residue-wise Data for Dugadda ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.4 | 3.3 | 5.0 | 1.2 | 0.15 |
| Wheat | Pod | 3.5 | 3.5 | 1.1 | 0.53 | 0.074 |
| Wheat | Stalks | 3.5 | 3.5 | 5.3 | 0.53 | 0.069 |
| Paddy | Husk | 2.4 | 3.3 | 0.66 | 0.53 | 0.058 |
| Others | Others | 0.69 | 0.88 | 1.1 | 0.11 | 0.014 |
| Total | | 6.6 | 7.7 | 13.0 | 2.9 | 0.36 |

| Taluk level Residue-wise Data for Dwarikhal ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.6 | 6.2 | 9.4 | 2.3 | 0.28 |
| Maize | Stalks | 2.1 | 2.2 | 4.3 | 1.7 | 0.22 |
| Wheat | Pod | 5.5 | 5.5 | 1.7 | 0.83 | 0.12 |
| Paddy | Husk | 4.6 | 6.2 | 1.3 | 1.0 | 0.11 |
| Wheat | Stalks | 5.5 | 5.5 | 8.3 | 0.83 | 0.11 |
| Maize | Cobs | 2.1 | 2.2 | 1.1 | 0.54 | 0.075 |
| Others | Others | 2.3 | 1.8 | 2.3 | 0.27 | 0.035 |
| Total | | 14.5 | 15.7 | 28.3 | 7.5 | 0.95 |

| Taluk level Residue-wise Data for Jahrikhal ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 2.9 | 3.9 | 4.7 | 0.47 | 0.061 |
| Others | Others | 0.98 | 0.99 | 2.0 | 0.48 | 0.061 |
| Paddy | Straw | 0.86 | 1.2 | 1.7 | 0.44 | 0.052 |
| Total | | 4.8 | 6.1 | 8.5 | 1.4 | 0.17 |

| Taluk level Residue-wise Data for Kaljeekhal ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.7 | 6.3 | 5.8 | 1.0 | 0.13 |
| Total | | 3.7 | 6.3 | 5.8 | 1.0 | 0.13 |

| Taluk level Residue-wise Data for Kot ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 6.7 | 6.8 | 2.0 | 1.0 | 0.14 |
| Wheat | Stalks | 6.7 | 6.8 | 10.1 | 1.0 | 0.13 |
| Paddy | Straw | 0.96 | 1.3 | 1.9 | 0.49 | 0.058 |
| Others | Others | 0.61 | 0.81 | 1.3 | 0.39 | 0.045 |
| Total | | 8.3 | 8.9 | 15.4 | 2.9 | 0.38 |

| Taluk level Residue-wise Data for Nainidanda ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Maize | Stalks | 1.7 | 1.8 | 3.6 | 1.4 | 0.19 |
| Others | Others | 3.1 | 3.1 | 5.2 | 0.93 | 0.12 |
| Maize | Cobs | 1.7 | 1.8 | 0.89 | 0.45 | 0.062 |
| Paddy | Straw | 0.92 | 1.2 | 1.9 | 0.47 | 0.056 |
| Total | | 5.7 | 6.1 | 11.5 | 3.3 | 0.42 |

| Taluk level Residue-wise Data for Narayan Bagad ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.6 | 2.8 | 7.6 | 0.93 | 0.12 |
| Paddy | Straw | 0.88 | 1.2 | 1.8 | 0.45 | 0.054 |
| Wheat | Pod | 2.5 | 2.5 | 0.76 | 0.38 | 0.053 |
| Total | | 6.9 | 6.5 | 10.1 | 1.8 | 0.22 |

| Taluk level Residue-wise Data for Pauri ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 5.7 | 3.7 | 6.0 | 0.99 | 0.12 |
| Paddy | Straw | 1.2 | 1.6 | 2.4 | 0.59 | 0.071 |
| Total | | 6.9 | 5.3 | 8.3 | 1.6 | 0.19 |

| Taluk level Residue-wise Data for Pavo ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.9 | 3.9 | 5.9 | 1.5 | 0.18 |
| Paddy | Husk | 2.9 | 3.9 | 0.78 | 0.63 | 0.069 |
| Wheat | Pod | 2.8 | 2.8 | 0.83 | 0.42 | 0.058 |
| Wheat | Stalks | 2.8 | 2.8 | 4.2 | 0.42 | 0.054 |
| Others | Others | 2.4 | 3.5 | 3.1 | 0.31 | 0.040 |
| Total | | 8.1 | 10.2 | 14.8 | 3.2 | 0.40 |

| Taluk level Residue-wise Data for Pokhra ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.8 | 6.5 | 9.8 | 2.5 | 0.30 |
| Paddy | Husk | 4.8 | 6.5 | 1.3 | 1.0 | 0.12 |
| Others | Others | 0.19 | 0.19 | 0.34 | 0.057 | 0.0078 |
| Total | | 5.0 | 6.7 | 11.5 | 3.6 | 0.42 |

| Taluk level Residue-wise Data for Rikhnikhal ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.0 | 2.6 | 4.0 | 0.99 | 0.12 |
| Wheat | Pod | 4.7 | 4.8 | 1.4 | 0.71 | 0.100 |
| Others | Others | 2.5 | 1.8 | 3.0 | 0.83 | 0.098 |
| Wheat | Stalks | 4.7 | 4.8 | 7.1 | 0.71 | 0.093 |
| Total | | 9.2 | 9.2 | 15.5 | 3.3 | 0.41 |

| Taluk level Residue-wise Data for Taalisain ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.9 | 3.7 | 5.5 | 0.73 | 0.097 |
| Total | | 3.9 | 3.7 | 5.5 | 0.73 | 0.097 |

| Taluk level Residue-wise Data for Yamkeshwar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.9 | 2.9 | 5.4 | 1.2 | 0.15 |
| Paddy | Straw | 2.0 | 2.6 | 4.0 | 0.99 | 0.12 |
| Total | | 4.8 | 5.5 | 9.4 | 2.2 | 0.27 |

| Taluk level Residue-wise Data for Berinag ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 3.9 | 6.0 | 9.0 | 2.2 | 0.27 |

| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|--------------|---------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Paddy | Husk | 3.9 | 6.0 | 1.2 | 0.96 | 0.11 |
| Wheat | Pod | 4.1 | 4.3 | 1.3 | 0.64 | 0.090 |
| Wheat | Stalks | 4.1 | 4.3 | 6.4 | 0.64 | 0.083 |
| Total | | 8.0 | 10.3 | 17.9 | 4.5 | 0.55 |

| Taluk level Residue-wise Data for Dharchula ; Biomass Class : Agro | | | | | | |
|---|---------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.2 | 6.3 | 9.5 | 2.4 | 0.28 |
| Paddy | Husk | 4.2 | 6.3 | 1.3 | 1.0 | 0.11 |
| Wheat | Pod | 4.0 | 4.2 | 1.3 | 0.63 | 0.088 |
| Wheat | Stalks | 4.0 | 4.2 | 6.3 | 0.63 | 0.082 |
| Total | | 8.1 | 10.5 | 18.3 | 4.6 | 0.57 |

| Taluk level Residue-wise Data for Didihat ; Biomass Class : Agro | | | | | | |
|---|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.88 | 1.1 | 2.0 | 0.50 | 0.061 |
| Total | | 0.88 | 1.1 | 2.0 | 0.50 | 0.061 |

| Taluk level Residue-wise Data for Gangahhat ; Biomass Class : Agro | | | | | | |
|---|---------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.2 | 1.5 | 2.5 | 0.65 | 0.080 |
| Paddy | Straw | 1.2 | 1.8 | 2.6 | 0.66 | 0.079 |
| Total | | 2.3 | 3.2 | 5.2 | 1.3 | 0.16 |

| Taluk level Residue-wise Data for Kauli Chhina ; Biomass Class : Agro | | | | | | |
|--|---------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.2 | 1.3 | 2.7 | 0.68 | 0.085 |
| Paddy | Straw | 1.2 | 1.9 | 2.8 | 0.70 | 0.084 |
| Total | | 2.4 | 3.1 | 5.5 | 1.4 | 0.17 |

| Taluk level Residue-wise Data for Munshyari ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.19 | 0.25 | 0.44 | 0.11 | 0.013 |
| Total | | 0.19 | 0.25 | 0.44 | 0.11 | 0.013 |

| Taluk level Residue-wise Data for Nunakoti ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.4 | 1.4 | 3.0 | 0.76 | 0.095 |
| Paddy | Straw | 1.4 | 2.1 | 3.1 | 0.78 | 0.093 |
| Total | | 2.7 | 3.5 | 6.1 | 1.5 | 0.19 |

| Taluk level Residue-wise Data for Augustmuni ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.9 | 7.3 | 10.9 | 2.7 | 0.33 |
| Paddy | Husk | 4.9 | 7.3 | 1.5 | 1.2 | 0.13 |
| Wheat | Pod | 4.9 | 5.3 | 1.6 | 0.79 | 0.11 |
| Wheat | Stalks | 4.9 | 5.3 | 7.9 | 0.79 | 0.10 |
| Total | | 9.8 | 12.6 | 21.9 | 5.5 | 0.67 |

| Taluk level Residue-wise Data for Ukhimath ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.8 | 4.2 | 6.3 | 1.6 | 0.19 |
| Paddy | Husk | 2.8 | 4.2 | 0.84 | 0.67 | 0.074 |
| Wheat | Pod | 2.6 | 2.8 | 0.83 | 0.42 | 0.058 |
| Wheat | Stalks | 2.6 | 2.8 | 4.2 | 0.42 | 0.054 |
| Others | Others | 0.041 | 0.051 | 0.062 | 0.0062 | 0.00080 |
| Total | | 5.4 | 7.0 | 12.2 | 3.1 | 0.38 |

| Taluk level Residue-wise Data for Bhilangna ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 4.1 | 4.9 | 6.9 | 1.1 | 0.14 |
| Total | | 4.1 | 4.9 | 6.9 | 1.1 | 0.14 |

| Taluk level Residue-wise Data for Chamba ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 5.6 | 7.4 | 8.9 | 0.89 | 0.12 |
| Others | Others | 1.5 | 1.4 | 2.6 | 0.44 | 0.059 |
| Total | | 7.1 | 8.9 | 11.5 | 1.3 | 0.17 |

| Taluk level Residue-wise Data for Devprayag ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.2 | 2.3 | 4.3 | 1.0 | 0.13 |
| Smallmillets | Stalks | 3.1 | 4.1 | 4.9 | 0.49 | 0.064 |
| Total | | 5.3 | 6.4 | 9.2 | 1.5 | 0.19 |

| Taluk level Residue-wise Data for Jakhnidhar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 3.8 | 5.1 | 6.1 | 0.61 | 0.079 |
| Wheat | Pod | 3.7 | 3.4 | 1.0 | 0.51 | 0.072 |
| Wheat | Stalks | 3.7 | 3.4 | 5.1 | 0.51 | 0.067 |
| Others | Others | 0.20 | 0.31 | 0.54 | 0.16 | 0.019 |
| Total | | 7.8 | 8.8 | 12.8 | 1.8 | 0.24 |

| Taluk level Residue-wise Data for Jakholi ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.9 | 2.6 | 5.2 | 1.2 | 0.15 |
| Paddy | Straw | 1.6 | 2.8 | 4.3 | 1.1 | 0.13 |
| Smallmillets | Stalks | 2.5 | 3.3 | 4.0 | 0.40 | 0.052 |
| Total | | 7.0 | 8.8 | 13.4 | 2.6 | 0.33 |

| Taluk level Residue-wise Data for Jaunpur ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 6.8 | 11.8 | 17.6 | 4.4 | 0.53 |
| Wheat | Pod | 13.1 | 12.1 | 3.6 | 1.8 | 0.25 |
| Wheat | Stalks | 13.1 | 12.1 | 18.0 | 1.8 | 0.23 |
| Paddy | Husk | 6.8 | 11.8 | 2.3 | 1.9 | 0.21 |
| Smallmillets | Stalks | 7.0 | 9.4 | 11.2 | 1.1 | 0.15 |
| Others | Others | 0.37 | 0.32 | 0.70 | 0.22 | 0.027 |
| Total | | 27.3 | 33.5 | 53.5 | 11.2 | 1.4 |

| Taluk level Residue-wise Data for Kirtinagar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.4 | 3.0 | 4.5 | 0.86 | 0.11 |
| Total | | 2.4 | 3.0 | 4.5 | 0.86 | 0.11 |

| Taluk level Residue-wise Data for Narender Nagar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 5.3 | 7.1 | 8.5 | 0.85 | 0.11 |
| Wheat | Pod | 5.5 | 5.1 | 1.5 | 0.75 | 0.11 |
| Wheat | Stalks | 5.5 | 5.1 | 7.5 | 0.75 | 0.098 |
| Paddy | Straw | 1.1 | 1.9 | 2.9 | 0.73 | 0.087 |
| Others | Others | 0.17 | 0.12 | 0.59 | 0.33 | 0.037 |
| Total | | 12.1 | 14.2 | 21.1 | 3.4 | 0.44 |

| Taluk level Residue-wise Data for Pratapnagar ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 4.4 | 5.9 | 7.0 | 0.70 | 0.092 |
| Wheat | Pod | 3.8 | 3.5 | 1.1 | 0.53 | 0.074 |
| Wheat | Stalks | 3.8 | 3.5 | 5.3 | 0.53 | 0.068 |
| Others | Others | 0.74 | 1.1 | 1.9 | 0.53 | 0.063 |
| Total | | 9.0 | 10.5 | 15.2 | 2.3 | 0.30 |

| Taluk level Residue-wise Data for Tholdhar ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Smallmillets | Stalks | 7.5 | 10.0 | 11.9 | 1.2 | 0.16 |
| Wheat | Pod | 4.7 | 4.3 | 1.3 | 0.65 | 0.090 |
| Wheat | Stalks | 4.7 | 4.3 | 6.5 | 0.65 | 0.084 |
| Others | Others | 0.64 | 1.1 | 1.8 | 0.56 | 0.066 |
| Total | | 12.8 | 15.4 | 21.5 | 3.0 | 0.40 |

| Taluk level Residue-wise Data for Bajpur ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 0.0066 | 0.14 | 0.017 | 0.0051 | 0.00067 |
| Total | | 0.0066 | 0.14 | 0.017 | 0.0051 | 0.00067 |

| Taluk level Residue-wise Data for Gdarpur ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 24.2 | 72.2 | 108.5 | 27.1 | 3.3 |
| Sugarcane | Tops & Leaves | 23.7 | 1481.6 | 74.1 | 14.8 | 2.1 |
| Paddy | Husk | 24.2 | 72.2 | 14.5 | 11.6 | 1.3 |
| Others | Others | 0.12 | 0.30 | 0.56 | 0.10 | 0.014 |
| Total | | 48.1 | 1554.2 | 197.6 | 53.6 | 6.6 |

| Taluk level Residue-wise Data for Jaspur ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 19.0 | 56.8 | 85.3 | 21.3 | 2.6 |
| Wheat | Pod | 19.3 | 60.6 | 18.2 | 9.1 | 1.3 |
| Wheat | Stalks | 19.3 | 60.6 | 90.8 | 9.1 | 1.2 |
| Paddy | Husk | 19.0 | 56.8 | 11.4 | 9.1 | 1.0 |
| Others | Others | 0.70 | 4.9 | 1.3 | 0.40 | 0.050 |
| Total | | 39.1 | 122.3 | 207.0 | 49.0 | 6.1 |

| Taluk level Residue-wise Data for Kashipur ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 15.5 | 46.1 | 69.3 | 17.3 | 2.1 |
| Wheat | Pod | 15.3 | 48.2 | 14.4 | 7.2 | 1.0 |
| Wheat | Stalks | 15.3 | 48.2 | 72.2 | 7.2 | 0.94 |
| Paddy | Husk | 15.5 | 46.1 | 9.2 | 7.4 | 0.81 |
| Others | Others | 0.88 | 23.1 | 2.2 | 0.59 | 0.078 |
| Total | | 31.7 | 117.4 | 167.3 | 39.7 | 4.9 |

| Taluk level Residue-wise Data for Katabagh ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 1.3 | 35.6 | 5.8 | 1.2 | 0.16 |
| Total | | 1.3 | 35.6 | 5.8 | 1.2 | 0.16 |

| Taluk level Residue-wise Data for Khatima ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Wheat | Pod | 39.2 | 123.0 | 36.9 | 18.4 | 2.6 |
| Wheat | Stalks | 39.2 | 123.0 | 184.4 | 18.4 | 2.4 |
| Paddy | Straw | 6.2 | 18.5 | 27.7 | 6.9 | 0.83 |
| Sugarcane | Tops & Leaves | 4.1 | 255.1 | 12.8 | 2.6 | 0.36 |
| Paddy | Husk | 6.2 | 18.5 | 3.7 | 3.0 | 0.33 |
| Others | Others | 0.86 | 0.75 | 1.8 | 0.61 | 0.077 |
| Total | | 50.3 | 397.4 | 267.2 | 49.9 | 6.6 |

| Taluk level Residue-wise Data for Ramgarh ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 7.9 | 23.6 | 35.4 | 8.8 | 1.1 |
| Sugarcane | Tops & Leaves | 8.0 | 497.0 | 24.9 | 5.0 | 0.70 |
| Wheat | Pod | 9.6 | 30.0 | 9.0 | 4.5 | 0.63 |
| Wheat | Stalks | 9.6 | 30.0 | 45.0 | 4.5 | 0.58 |
| Paddy | Husk | 7.9 | 23.6 | 4.7 | 3.8 | 0.42 |
| Mustard | Husk | 3.6 | 3.0 | 1.5 | 1.5 | 0.17 |

| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
|--------------|---------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Mustard | Stalks | 3.6 | 3.0 | 5.4 | 0.81 | 0.11 |
| Others | Others | 0.34 | 0.31 | 0.76 | 0.31 | 0.041 |
| Total | | 29.3 | 553.9 | 126.6 | 29.2 | 3.7 |

| Taluk level Residue-wise Data for Rudrapur ; Biomass Class : Agro | | | | | | |
|--|---------------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 1.6 | 4.9 | 7.4 | 1.8 | 0.22 |
| Others | Others | 1.0 | 1.8 | 3.5 | 0.76 | 0.100 |
| Paddy | Husk | 1.6 | 4.9 | 0.98 | 0.79 | 0.086 |
| Sugarcane | Tops & Leaves | 0.61 | 38.4 | 1.9 | 0.38 | 0.054 |
| Total | | 3.3 | 45.1 | 13.7 | 3.8 | 0.46 |

| Taluk level Residue-wise Data for Sitrganj ; Biomass Class : Agro | | | | | | |
|--|---------------|-------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 28.6 | 85.2 | 128.1 | 32.0 | 3.8 |
| Paddy | Husk | 28.6 | 85.2 | 17.1 | 13.7 | 1.5 |
| Others | Others | 1.3 | 2.5 | 4.6 | 0.85 | 0.11 |
| Sugarcane | Tops & Leaves | 0.59 | 37.0 | 1.9 | 0.37 | 0.052 |
| Total | | 30.5 | 124.7 | 151.6 | 46.9 | 5.5 |

| Taluk level Residue-wise Data for Bhatwadi ; Biomass Class : Agro | | | | | | |
|--|---------|------------|-------------------------|----------------------------|-------------------------|-----------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.3 | 4.2 | 6.6 | 1.2 | 0.15 |
| Paddy | Straw | 1.0 | 2.0 | 3.0 | 0.75 | 0.090 |
| Total | | 4.3 | 6.2 | 9.6 | 1.9 | 0.24 |

| Taluk level Residue-wise Data for Chinyali Sour ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 2.4 | 4.7 | 7.0 | 1.7 | 0.21 |
| Wheat | Pod | 4.1 | 4.4 | 1.3 | 0.66 | 0.092 |
| Wheat | Stalks | 4.1 | 4.4 | 6.6 | 0.66 | 0.085 |
| Paddy | Husk | 2.4 | 4.7 | 0.93 | 0.74 | 0.082 |
| Smallmillets | Stalks | 2.4 | 3.6 | 4.4 | 0.44 | 0.057 |
| Others | Others | 0.16 | 0.14 | 0.33 | 0.11 | 0.013 |
| Total | | 9.0 | 12.8 | 20.5 | 4.3 | 0.54 |

| Taluk level Residue-wise Data for Dunda ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 2.6 | 3.3 | 5.0 | 0.90 | 0.11 |
| Paddy | Straw | 0.58 | 1.1 | 1.7 | 0.43 | 0.051 |
| Total | | 3.2 | 4.5 | 6.7 | 1.3 | 0.16 |

| Taluk level Residue-wise Data for Mori ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 4.4 | 8.6 | 12.9 | 3.2 | 0.39 |
| Paddy | Husk | 4.4 | 8.6 | 1.7 | 1.4 | 0.15 |
| Others | Others | 2.6 | 3.4 | 4.5 | 0.61 | 0.078 |
| Wheat | Pod | 2.7 | 2.9 | 0.87 | 0.43 | 0.061 |
| Wheat | Stalks | 2.7 | 2.9 | 4.3 | 0.43 | 0.056 |
| Total | | 9.7 | 14.9 | 24.4 | 6.1 | 0.73 |

| Taluk level Residue-wise Data for Naugaon ; Biomass Class : Agro | | | | | | |
|---|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Paddy | Straw | 6.4 | 12.5 | 18.8 | 4.7 | 0.56 |
| Paddy | Husk | 6.4 | 12.5 | 2.5 | 2.0 | 0.22 |
| Wheat | Pod | 5.2 | 5.6 | 1.7 | 0.84 | 0.12 |
| Wheat | Stalks | 5.2 | 5.6 | 8.4 | 0.84 | 0.11 |
| Smallmillets | Stalks | 2.6 | 4.0 | 4.8 | 0.48 | 0.062 |
| Others | Others | 0.0024 | 0.0024 | 0.0032 | 0.00032 | 4.10E-05 |
| Total | | 14.3 | 22.1 | 36.1 | 8.9 | 1.1 |

| Taluk level Residue-wise Data for Purola ; Biomass Class : Agro | | | | | | |
|--|----------------|-------------------|--------------------------------|-----------------------------------|--------------------------------|------------------------------|
| Crop | Residue | Area (kHa) | Crop Production (kT/Yr) | Biomass Generation (kT/Yr) | Biomass Surplus (kT/Yr) | Power Potential (MWe) |
| Others | Others | 3.5 | 4.5 | 7.0 | 1.2 | 0.16 |
| Paddy | Straw | 0.92 | 1.8 | 2.7 | 0.68 | 0.081 |
| Total | | 4.5 | 6.3 | 9.7 | 1.9 | 0.24 |

Note:

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

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