

**Table 12** Calculation of surplus crop residue in Shyampur

Name of crop	Area (ha)	Ratio of crop to residue	Total crop production (tonnes)	Total residue (tonnes)	Consumption (tonnes)	Surplus (tonnes)
Bajra	2	1:1.40	20.00	28.00	20	8.00
Wheat	2	1:1.30	40.00	52.00	52	Nil
Mustard	1	1:1.85	0.30	0.37	Nil	0.37
Cotton	1	1:3.00	4.00	12.00	10	2.00
Rice	1	1:1.40	20.00	28.00	10	18.00
Total	–	–	–	–	–	28.37

### Notes

1 The table here is based on the study conducted by TERI in Haryana. The figures are dependent on crop yields, which, in turn, are governed by conditions like type of soil, climatic conditions, irrigation facilities, etc.

2 Based on the calorific value, the biomass required for generating 1 kWh of power (mustard 1.11 kg/kWh, Bajra 1.09 kg/kWh)