

5. Design your composting system:

- Mass reduction by 50% (rule of thumb)

- Sales volume (kg/day)

- Determine amount of input required ($\frac{\text{Sales Volume (kg/day)}}{0.5} = \text{Amount of organic solid waste compost}$)

- Calculate the number of composting piles (Density of organic solid waste= 0.4 – 0.6 kg/L, Piles: width of 1.6 m / height of 1.6 m / length of 2 to 3 m, Boxes: width of 1.5m / height of 1.2 m/ length of 1.5 m)

- Calculate the time of a production cycle (days) (Pre-treatment (x days) + Principal treatment (40 + 20 days) + Value addition (x days))

- Describe the specifications of each treatment step: pre-treatment, principal treatment and value addition

	Type of technology	Capacity	Machinery & equipment needed
Pre-treatment:			
Principal treatment:			
Value addition:			