

PROCESS FLOW CHART

1

Introduction : Waste to Value

- Spent coffee grounds (SCG) = untapped biomass.
- Supports zero-waste & circular economy goals.



2

Waste collection

- Partner with cafes for used coffee grounds.
- Daily / weekly pickup by van or light truck.



3

Dry and Crushing

- SCG moisture ~ 60-70% must dry before use.
- Crush to fine powder (<300um).



4

Compounding & Pelletizing

- As filler blend with biopolymer.
- Pelletize → ready for injection molding / film blowing / thermoforming etc.



5

Final Products

- Coffee filled compostable bioplastic : bags, straws, cups, spoons, etc.
- Compostable, low-carbon alternatives to plastics.



REKAFFEE

Local Compostable Certification



International Compostable Certification



Proposal

- 10% coffee waste usage.
(eg : 100 kg collection = 1000 kg products)
- Products selection from list.
(eg : garbage bag 400 kg / straw 200 kg / plate 200 kg / cups 200 kg
- Excess could sell 3rd party.
- ESG report coverage.

Mission

- Impact : Turning Waste into Gold
- Diverts waste, reduces CO₂.
- Adds value to organic trash
- Promotes sustainable branding.