Basic Factory Layout

Semi-Mechanised Process

PLAN

- How much space do you have?
- Urban space Drying space/ method
- Disposal of waste
 - Boiling Method
 - Environmental considerations (eg adjoining buildings)
- Rural Space
 - Disposal of Waste
 - Away from water supply eg: river , stream

PLAN

- Establish Flow
 - Factory Flow ability to move through each stage without impediment

1. DRYING AREA

- Maximum sun exposure to achieve five day drying time
 - Fenced from animals, Dust Masks for staff
 - Mesh and Tarp for covering at night
 - Turning Fork, broom, ground cover if not concrete

DRYING AREA



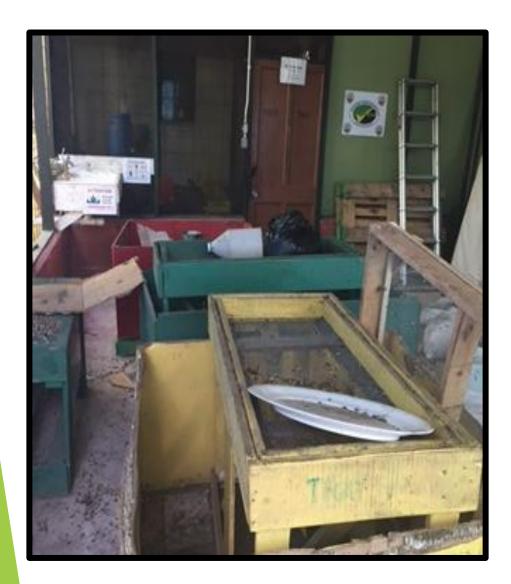
PLAN

- **Secure Area** -
- Fence out Domestic Animals and intruders
- Enough space for each process
- Eg; drying, cleaning, storage, pressing, boiling, bottling
- Secure Potable Water Supply

PLAN Cleaning Space

- MUST HAVE WELL VENTILATED AREA
- Separation of clean from untouched seeds
- Mark bags- weight, date, location
- Store all seeds on pallets away from wall
- Dispose of waste in compost or directly into field
- Main nuisance dust, fungus growth on damp seeds
- Dust mask recommended

CLEANING AREA



PLAN Pressing Room

- WELL VENTILATED ROOM
- Enough space for machine and operator
- Good surface for spillage scrubbable
- Five gallon buckets for raw oil
- Feed bags for seed cake

PRESS AT WORK



HANDLING WASTE

- Two types of waste
- DRY Husks, seed cake from press
- WET WASTE- pasty mush from boiling

DRY- 1.For mulching farm directly or added to compost heap

- 2. Used as fuel for boiling oil
- 3. Made into organic fuel source

HANDLING WASTE

- WET WASTE From boiling (pasty mush at bottom of pot)
- Dig deep hole in yard- enough space for several boilings
- Bury each batch of waste under at least for inches of dirt
- Leave hole open for next boil
- Waste MUST be buried immediately after last skim
- Will become very offensive in twenty four hours
- When filled ensure hole is fully covered -will attract flies in droves

HEALTH & SAFETY

- Provide storage space for recycled kegs
- Wash kegs before storing
- Sanitize before use
- Have Fire Extinguisher in Boiling House
- Use face guard during boiling
- Wear fire proof gloves
- Don't move oil when hot

