MOBILE DISTILLATION UNIT FOR ESSENTIAL OILS FROM MINTS, VETIVER, PATCHOULI, LEMON GRASS, BASIL, PALMAROSA, CITRONELLA, NAGARMOTHA, ETC.

Salient Features

Mobile distillation unit can be attached to any tractor and can be transported directly to the farmer's field for distillation of the aromatic crops aromatic crops like mentha, lemongrass, basil, vetiver etc.

Advantages:

- Mounted on a specially designed & fabricated heavy duty four wheel trolley and can be attached to any tractor.
- Easily transportable to the farmers fields which shall save time & money of taking the crops to the distillation tanks.
- Capacity 400-500 Kg / batch semi dried; Useful for distillation of all types of essential oils bearing aromatic crops including mints, lemongrass, palmarosa, citronella, basil, patchouli, vetiver etc.Shall be using spent distilled biomass waste as fuel which shall minimize cost of firewood.
- Designed with inbuilt calandria for utilizing the heat energy of the flue gases thus decreasing the time required for boiling and also increasing the steam generation rate, which in turn enhances the distillation efficiency & oil recovery.
- Distillation unit constructed of Stainless Steel grade-304 having excellent corrosion resistance properties for high quality essential conforming to organic processing requirements.
- Furnace made of Stainless Steel grade-310 specially designed for high temperature operations thus giving a longer life to the unit.
- Provided with an inbuilt MS chimney for better air draft to the furnace and preventing pollution at work place
- Unit designed having double walled air insulation system to prevent heating of the trolley and with baffle plates to prevent heat damage to the trolley tires.

Scale of Development: Already commercialized**.**

