

ABSTRACT

MINI POWER TILLER AND WEEDER

Power tillers occasionally termed as walking tractors have been conceived as an equipment to prepare seedbeds with rotary tillers. They have limitations in their use for traction work due to the low drawbar power per brake horsepower of the engine. At present, most of the power tiller manufactured in the country are in the range of 8-10 hp and weigh about 400 kg. The power tillers are not potentially used in hilly areas due to the lack of its maneuverability on sloppy lands. This is primarily due to its heavy weight, which needs to be optimized further. There was a long felt need to develop a lightweight, portable and propelled two-wheeled walking type tractor for use in hilly areas, orchards and small farms. This power tiller can also be used for inter row tillage, water pumping and other agricultural operations. Therefore, it is felt necessary to develop a lightweight power tiller fitted with 2-4hp engine with a gearbox having at least two forward speeds. It should be light enough for two persons to easily lift it manually for shifting from one field to another. This feature is particularly useful when operating in terrace fields and fields with high bounds.

CONTACT FOR FULL SYNOPSIS  +91 7892151234

#2232, 16TH B CROSS, SECTOR B, YELAHANKA NEW TOWN, BANGALORE-560064
Ph: +91 7892151234