

ABSTRACT

The training was conducted to acquire a proper knowledge about workshop practice and production of two wheel tractors. This training consists of the following;

- *.Assembling and disassembling of two wheel tractor engines
- *.Assembling and disassembling of two wheel tractor gear box
- *.Assembling of rotavator (chain case, gear box, blades and rear wheel)
- *.Fabrication of Agricultural machinery
- *.Welding practices
- *.Machine shop technology
- *.Tractor assembly
- *.Stores management

At the engine and gear box section I practiced how the engines and gear boxes are assembled and disassembled. There were six shafts in a gear box namely axial shaft, fourth shaft, break shaft, counter shaft, clutch shaft and p.t.o shaft.

The rotavator consists of chain case, rotavator gear box, blades and rear wheel assembly. By changing the direction of the chain case, can change the speed of the rotavator. Rotavator gear box consists of the following shafts called,

- *.Power in shaft
- *.Middle shaft
- *.Axial shaft

Several machines were used in the fabrication section. They are,

- *. Hydraulic pressurer
- *. Bender
- *. Bench type box and pan breaker
- *. Metal cutting machine
- *. Belt guard top plate folder

With the help of the above machines tractors were assembled. The welding section consists of arc, spot and gas welding machines. To manufacture the chassy, handle and stand, the welding is necessary. Welding imperfections are described in this report. In addition lathe, drill and milling machines were considered.