
Trench Digging Machine

Radhey Shyam Tailor and Nathulal Jangid hail from Sikar district, Rajasthan. Radhey Shyam Tailor is a B-Com graduate with about 40 years' hands-on working experience in designing and developing of several implements. A skilled technician, Nathulal Jangid, a fifth standard pass-out has an experience of around 20 years with various job works. This idea came to them while traveling together when they saw the plight of labourers digging trenches in spite of harsh weather conditions Radhey Shyam Tailor and Nathulal Jangid have co-developed a trench digging attachment that can be retro-fitted to a modified 35-40 HP tractor.

This machine can dig 65 metres of trench per hour (6 feet deep and 14 inches wide) on 2.5 litres of diesel per hour. It is suitable for any kind of soil. This machine replaces the tedious and time-consuming manual trench digging by automation, thus reducing drudgery. It costs less than half of the competing models, in India complex machines are used for this purpose, with accessories included and these are easily supplied and serviced locally. It is easy to handle and suited particularly for digging narrow but deep trenches, thus having a lot of potential for trenches for laying telephone and electric cables as well as pipes.