



#### Address

Bakhtal ki Chowki, Delhi Road,  
Alwar, Rajasthan  
PIN: 301001

#### Scouted by

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## Multi purpose bicycle<sup>53</sup>

### CONSOLATION

**Choudhary Kamruddin** (60) is a native of Ratnaki village of Alwar district, Rajasthan and has 40 years experience in repairing watches as well as various mechanical instruments. He owns a watch repair shop and a bicycle/ scooter/ motorcycle repair shop in Bakhtal-ki-chowki. Though he has only completed his primary education, he has managed to learn Urdu, English and Arabic. He earns Rs. 36,000 per annum presently. He has five sons who are all married and settled.

**Genesis** Once it happened that he procured a functional cycle rickshaw in scrap. He tried to experiment with this and in 1977 he attached a 50 cc moped engine to the cycle and rode it for one year. This inspired him to attach various interesting things to the cycle and for the past 25 years he has engaged himself in improving the design of the common bicycle to make it more comfortable, useful and safe and above all as a means for earning a livelihood. His years of hard labour resulted in the development of the Mewat Ajuby Easy cycle in 2002. Alwar district situated in the North Eastern region of Rajasthan is also known as Mewat, because of the Meos, who symbolize a cultural communion of two great religions of India: Hinduism and Islam, who populate it. Choudhary is one such Meo and hence the name of the cycle. In the same year, the district authorities inspected this cycle and awarded him with a certificate. Choudhary has prepared only one sample cycle so far. Choudhary had filed a provisional patent application and later a complete patent application was filed by NIF on his behalf. But he hasn't approached any commercial organisation as he waits to get a patent before doing anything further. NIF has sanctioned Kamaruddin a sum of Rs.13,

125 from the Micro Venture Innovation Fund for concept testing of the multipurpose bicycle in the rural market. His dream is to produce this model commercially on a large scale for the welfare of society on a very low profit margin but the paucity of funds has prevented him from doing it so far.

#### The Innovation

Choudhary has modified an ordinary bicycle by adding tools and accessories as well as making it a mobile work platform to service diverse village needs. This bicycle is 25% lighter than the ordinary cycle and due to the presence of an auto gear it is much easier to drive. It has an umbrella attached to it which comes with a sliding arrangement and a locking system and operates automatically. Once the bicycle starts off, current generated by a dynamo, powers the head and backlights and seven indicators (five on the umbrella and two in the front). The cycle also has a large bag batti, a wind shield to protect the rider from strong winds and decorative light bulbs. A 12 V lead battery is attached between the frames of the bicycle. It helps to power a host of utilities at the back side such as drilling unit (for wood, metal), a grinder for sharpening tools, a motor

winding attachment and a wood sawing unit with a lock and lever which can cut plywood of up to 6" thickness.

#### **Advantages**

This is an incredible innovation which assimilates an assortment of functionalities on a common bicycle while reducing the weight and improving the basic function. This is a mobile workstation that can generate revenue for the user who goes from village to village offering services such as sharpening of blades by grinding, drilling, motor winding, sawing etc.

#### **A servant to society**

Choudhary Kamruddin always believed in "doing something different." He was elected Sarpanch of Saimal Khurd panchayat, Lakshmangarh, Alwar in 1981 and continued till 1988. He also fought the election for the Ramgarh Vidhan Sabha seat in Alwar in 1999 as an independent candidate. He believes that God sent man to earth as his representative to spread His word and to fight against evil and that it is the duty of everyone to fulfill this responsibility. Choudhary has also got a flair for homoeopathy and gives advice to the local people on common ailments.