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Now, farmers can operate electric water pumps using cell phones

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FARMERS in rural areas are facing lot of troubles to switch on and switch off their single phase, double phase, triple phase agriculture motor pumps installed in their farms. Many times the distance from their residences and farm lands are more. Farmers have to walk about 2 kms to take care of watering their farms using motor pumps.

SPECIAL REPORT

Pune's Ieyze corporation Pvt. Ltd, a computer applications company, has developed a software for cell phones to help farmers from this hassle.

A stall of Ieyze Corporation at the 8th edition of Agrovision under way at Reshimbagh, is attracting crowds of farmers. The curiosity and satisfaction is seen on their faces.

With the appeal, "Don't run every time to turn your motor ON, our Auto's will do it," a demonstrator of this mobile application is seen appealing the farmers. They are thronging the

stall. The demonstrator gives the mobile in their hands and asks them to follow the instructions on mobile handset.

In a beautiful voice, the farmers are instructed as 'Press 1' to start your motor. After pressing the number, the small motor in the stall gets on. Again the instruction comes, 'Press 2' to switch off the motor and the motor gets switched off.

There are more than 35 such hardware and software products about automation designed to help farmers by the company founded by Sharad Kale, a computer engineer from Pune.

'Ieyze Auto' can automatically switch on an electric motor without hassle. It also automatically turns the motor on after 1 minute when power is restored. There is another application, 'Single Phase Auto' which automatically turns a motor on after 45 seconds when power is restored. Similarly, 'Dry Run Auto' application can prevent the motor by turning off quickly in case of dry-run. The mobile application can be used for full load real time current value



A demonstrator guiding a farmer on how to operate an electric motor pump with the help of a cell phone. A Pune-based company, having its stall at Agrovision, has developed a software which helps farmer operate the motor through a cell phone. (Pic by Satish Raut)

update switch, real time phase failure, phase reverse, phase unbalance protection; dry-run, overload, SPP protection with bypass setting availability;

Inbuilt Star delta timer with 3 to 30 second of time delay adjustment and is suitable up to 500 HP motors, a demonstrator stated.

"Now your mobile phone can give instructions to the electric motor. You can control your electric water pump with your mobile while you are anywhere in the world. No need to keep any extra mobile phone for the operation. Single model for any single phase or triple phase motor of any HP. In case of any fault in the motor -- dry-run, overload, phase down, low or high voltage -- cable-cut Ieyze mobile auto will turn the motor off and the farmer will get a call informing about the fault. Because of Inbuilt timers, you can schedule watering to the crop. Electric motor will be controlled from any 15 numbers you will authorise an not from strangers mobile. It will call you after electricity comes back. Stolen Ieyze mobile auto can be tracked because of advance tracking system in it," the demonstrator informed to the farmers.