



## BOREWELL SCANNER

Patent Application No.: 992/CHE/2015

### INNOVATOR

Girish Badragond | Karnataka

### PROBLEM ADDRESSED

Water availability in the bore well is one of the major concerns to the farmers for irrigating their crops. There wasn't anything available to measure probability of getting water after installing motor pumps at their bore wells. Lack of any assessment may result in loss money, time and efforts. Bore well scanners available were too expensive and not easily available. Girish Badragond designed a borewell scanner to avoid such losses.



## PRODUCT

The bore well scanner is a low cost automated capsule shaped bore scanning device, which detects ground water availability, its pressure and temperature. In addition to these features, it also measures inflow / outflow rate and direction of ground water.

## TECHNICAL DETAILS

This particular borewell scanner is equipped with-

- A High Definition camera.
- A digital compass.
- A Temperature and pressure sensors
- A flow and depth detector..
- A GPS Device.
- A LCD Screen to display assessment result.

It weighs about 1.5 kg and can scan the bore well up to a depth of 600 feet.

## SALIENT FEATURES

- Can assess the availability of water in borewell which helps farmer make informed decision about installing motor pumps.
- Also used to ascertain the depth, inflow and outflow of water, kind of water source and the borewell formation.

## AWARDS AND RECOGNITION

Innovator has won State Award in NIF's Eighth National Biennial Award function for Grassroots Innovations and Traditional Knowledge, 2015.

