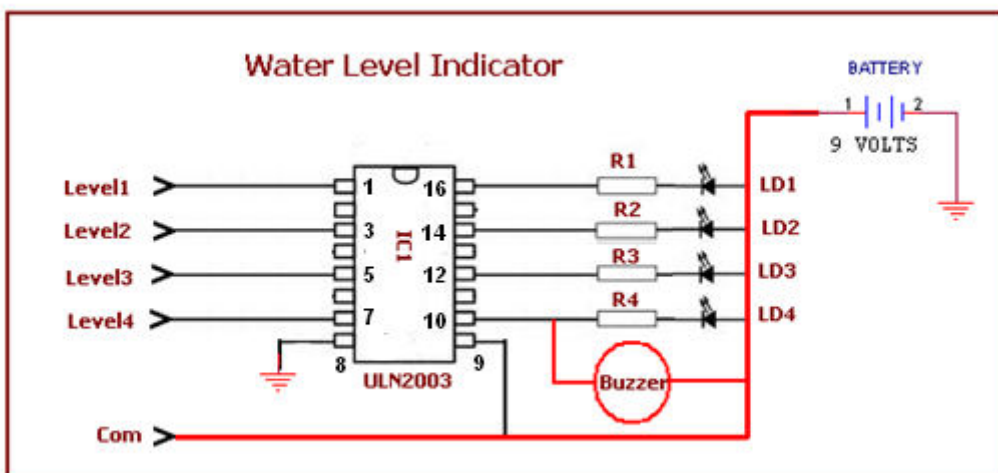


Water level Indicator:



In this circuit we have 4 indicators indicating the 4 levels of the sensing input electrodes. The sensing input electrodes come into contact with common positive terminal with the water conductivity. The corresponding output switches ON a L.E.D indicating that particular level. In this circuit we have used a 7 stage Darlington transistor amplifier ULN2003, out of which 4 stages are only used for our purpose. Each stage will indicate each level of the water tank. The physical arrangement of this system is equipped with 4 electrodes placed at 4 different level of the tank height and the common positive electrode is placed at the bottom of the tank. The main component for this circuit is ULN 2003. Once the water reaches the 4th level, a buzzer is also activated conveying that the tank is full. This circuit is operated 9volt battery. R1 to R4 are the current limiting resistors for the LEDs. Pins 1,3,5,7 are connected to the input electrodes of the tank. The outputs are derived from the pins 16,14,12,10 respectively.

Components used: R1 TO R4 = 470 OHMS, LD1 TO LD 4 = L E Ds, D, IC 1 = ULN 2003 (with base), Battery = 9volt, Battery snapper, Buzzer.

