

## **GUIDELINES FOR ABANDONMENT OF BORED WELLS AND DRILLED WELLS AND SAFETY NORMS**

### **1. BORED WELL ABANDONMENT:**

- Remove all plumbing or piping along with any obstruction in the wells
- Remove as much of well casing as possible.
- Fill the entire well upto land surface with cement grout, concrete grout, bentonite grout and dry clay.

### **2. DRILLED WELL ABANDONMENT:**

- Any casing whether grouted or not grouted must be removed.
- Entire depth of well is to be sounded to ensure freedom from obstructions that may interfere with scaling operations.
- The well should be disinfected using solution made from calcium-hypochlorite concentrations that must interface with scaling operations
- Well constructed in consolidated hard rocks must be filled with cement grout, bentonite grout, sand, gravel or drilling cuttings upto 3 m below top of consolidated rock or 2 m below the bottom of casing. The remaining space be filled with cement or bentonite grout to the top of well.

### **SAFETY NORMS**

1. Construction of Cement/concrete platform measuring 0.50 x 0.50 x 0.6 m (0.3 m above ground level and 0.3 m below ground level) around the well casing.
2. Capping of well assembly by welding steel plate.
3. Erecting a chain link fence of 3 x 3 m around the well.
4. Filling up of mud pits and channels after completion of drilling operations.
5. Filling up of abandoned bore wells by boulders/pebbles.
6. Erection of a sign-board near the well with detailed address at the time of construction of well.