

# GROUND WATER CELL

## Activities of the scheme:

The main activities of the scheme are:

- Monitoring of water level
- Ground Water Assessment
- Estimates for tubewell loaning
- Free service to farmers.
  - Location of tubewell sites
  - Optimum tubewell depth
  - Design of tubewell assembly
  - Development of tubewell
- Micro level survey to identify potential pockets
- Selection and evaluation of watershed.
- Monitoring of rain gauge stations.
- Training of farmers for Minor Irrigation schemes.
- Conducting free geophysical surveys to identify and demarcate the aquifer zones for installation of tubewells.
- Pump efficiency tests to improve the efficiency pump sets.
- Providing Ground water availability certificate to Haryana Vidyut Prasaran Nigam (HVPN) for formulation of tubewells loaning schemes.
- Besides above activities, various thematic maps and technical reports connected with micro level, Hydro geological, Geophysical survey and ground water assessments are prepared.

## Achievements of 2014-15

Sr. no.	Name of component	Physical		Proposed for 2015-16
		Target	Achievement	
1.	No. of observation wells Observed	2184	2184	2184
2.	Micro level survey of blocks/special studies Undertaken.	-	-	10
3.	Pump efficiency test/ aquifer performance test	40	29	40
4.	Draft studies observed	339	317	339
5.	Water samples analyzed	10000	12153	10000
6.	Geophysical sounding Undertaken	As per Requirement	95	As per Requirement
7.	Guidance to farmers for installation of new tube wells	As per requirement	-	As per Requirement
8.	Preparation of tube-well estimates for submission to various banks	As per Requirement	As per Requirement	As per Requirement
9.	Preparation of various maps	10	5*	10

## **Accelerated Groundwater Recharge scheme**

183, 52, 22, 88, 73, 31, 119, 24, 12 and 44 numbers of rainwater harvesting structures were constructed during the year 2005-06, 2006-07, 2007-08, 2008-09, 2009-10, 2010-11, 2011-12, 2012-

13, 2013-14, 2014-15 respectively. A total no. of 648\*\* structures has been constructed upto 2014-15. A target for construction of 50 rain water harvesting structures has been fixed for the year 2015-16.

### **Future strategies**

- Propagation for change in cropping pattern from more water intensive to less water intensive crops.
- Propagation for conjunctive use of surface and ground water in highly saline areas.
- Artificial recharge in water declining areas
- Educating drillers/farmers for installation of tubewells on scientific lines.

**last updated/uploaded on 28/12/2015**

Name of Scheme: **Scheme for development of Ground Water & implementation of various NABARD schemes in the state.**

Objective:

1. Engineering design and ground water structures.
2. Well hydraulics and hydrological survey.
3. Geophysical investigation.
4. To undertake detail monitoring, collection of data of minor irrigation by conducting surveys.