

## 1. MINOR IRRIGATION CENSUS

One of the main objectives of the Central Sector Scheme – “Rationalization of Minor Irrigation Statistics (RMIS)” is to conduct Census of Minor Irrigation sources on quinquennial basis to maintain and update database.

- Four Censuses have been completed so far with reference years 1986-87, 1993-94, 2000-2001 and 2006-07 respectively. These have helped in preparation of a sound database for Minor Irrigation Sector.
- The 5<sup>th</sup> Minor Irrigation Census is completed with reference year 2013-14.
- This census is conducted to get comprehensive and reliable database on Minor irrigation sources such as
  - a) No. of Ground Water and Surface water Sources existing upto 2013-14.
  - b) Source wise Irrigation potential Created and utilized. which is essential for estimating the availability of Ground Water, Surface Water and formulation of realistic plan for Water Resources development.
  - c) Usage of Water and energy conserving devices like “ Sprinkler & Drip Irrigation System” and also non-convention energy devices like “ Solar Pumps and wind Mills”.

**COLLECTION OF DATA:** The Govt. of India has prescribed 3 Types of Schedules

1. Village Schedule
2. Ground Water Schedule
3. Surface water

**1. Village Schedule:** Through this schedule identification particulars of village such as

- i. Nature of Village : Tribe/ Non Tribe
  - ii. Village covered by : Major/Medium Scheme
  - iii. Land Use Statistics including Gross and Net Irrigated Areas of all seasons
  - iv. Average Ground Water level in meters (Pre monsoon)
  - v. Number of water bodies in the village (Natural & Constructed )
  - vi. Details of WUA
  - vii. Summary abstract of Ground/ Surface water schemes.
- One Schedule will be filled for every Village as per the Village Records

**2. Ground Water Schedule:** Through this schedule, Collect data related to specific Ground Water schemes

- a) Dug Well, In bore well
- b) Shallow Tube well (depth of Bore < 35 meters)
- c) Medium Tube well ( >35meters and < 70 meters )
- d) Deep Tube well (depth of Bore >70 meters)

### **Parameters of data collected through ground water scheme**

- 1) Ownership of the scheme : Govt/ Individual
- 2) Social status of the owner: SC/ST/OBC/Others
- 3) Details of the scheme: Depth/ Diameter
- 4) Cost of construction of the Scheme
- 5) Source of Finance
- 6) Water distribution / Application method used
- 7) Details of lifting devises and source of energy
- 8) Details of HP of lifting devises and season wise number of days working / avg. hours of pumping per day
- 9) CCA / IPC /IPU
- 10) Extent of utilisation of the scheme

### **3. Surface Water Schedule:** Collection of data related to

- a) Surface flow irrigation schemes
- b) Surface lift irrigation schemes

### **parameters of data collected through surface water scheme schedule**

- 1) ownership of the scheme : govt/ individual
- 2) Social status of the owner: SC/ST/OBC/Others
- 3) Surface Flow Irrigation Schemes : Reservoir/ Tank/ Check dam
- 4) Source of lift for SLI Scheme: River/ Stream/ Drain/ Tank etc.
- 5) Cost of construction of the Scheme
- 6) Source of Finance
- 7) Water distribution / Application method used
- 8) Details of lifting devises and source of energy
- 9) Details of HP of lifting devises and season wise number of days working / avg. hours of pumping per day
- 10) CCA / IPC /IPU
- 11) Extent of utilisation of the scheme
- 12) Specific features of reservoirs / Tanks and other storages.
- 13) Scheme contribution to the betterment of ground water level.