



जल शक्ति मंत्रालय  
MINISTRY OF JAL SHAKTI  
DoWR, RD & GR



# ATAL BHUJAL YOJANA (Atal Jal)

Report of the 2<sup>nd</sup> Round of Verification in  
respect of Disbursement Linked Indicators (DLIs)



Prepared by :

**QUALITY COUNCIL<sup>®</sup>  
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## Abbreviations

<b>Ca</b>	Calcium
<b>CBO</b>	Community Based Organization
<b>CGWB</b>	Central Ground Water Board
<b>Cl</b>	Chlorine
<b>CO<sub>3</sub></b>	Carbonate
<b>CP</b>	Community Participation
<b>DIP</b>	District Implementation Partner
<b>DLI</b>	Disbursement Linked Indicator
<b>DoWR</b>	Department of Water Resources
<b>DPMU</b>	District Program Management Unit
<b>DSPC</b>	Data Storage & Programming Cell
<b>EC</b>	Electrical Conductance
<b>F</b>	Fluoride
<b>GEMS</b>	Groundwater Estimation and Management System
<b>GIS</b>	Geographic Information System
<b>GOI</b>	Government of India
<b>GP</b>	Gram Panchayat
<b>GSDA</b>	Groundwater Surveys and Development Agency
<b>GWD</b>	Ground Water Department
<b>GWDES</b>	Ground Water Data Entry System
<b>GWRDC</b>	Gujarat Water Resources Development Corporation
<b>Ha.m</b>	Hectare Meter
<b>HCO<sub>3</sub></b>	Bicarbonate
<b>HGR</b>	Hydrogeological Report
<b>IMIS</b>	Integrated Management Information System
<b>IT</b>	Information Technology
<b>K</b>	Potassium
<b>KN</b>	Karnataka
<b>m.bgl</b>	Meter below ground level
<b>uS/cm</b>	Micro Siemen/cm

<b>M/o Jal Shakti</b>	Ministry of Jal Shakti
<b>Mg</b>	Magnesium
<b>MIS</b>	Management Information System
<b>MPWRD</b>	Madhya Pradesh Water Resources Department
<b>Na</b>	Sodium
<b>NABL</b>	National Accreditation Board for Testing & Calibration Laboratories
<b>NO<sub>3</sub></b>	Nitrate
<b>NPMU</b>	National Program Management Unit
<b>OW</b>	Observation Well
<b>PAD</b>	Project Appraisal Document
<b>PforR</b>	Program for Results
<b>PGWM</b>	Participatory Ground Water Management
<b>pH</b>	Potential of Hydrogen or Power of Hydrogen
<b>PMU</b>	Program Management Unit
<b>Pz</b>	Piezometer
<b>QCI</b>	Quality Council of India
<b>QCI HQ</b>	Quality Council of India Head Quarter
<b>RD&amp;GR</b>	River Development and Ganga Rejuvenation
<b>SGWD</b>	State Ground Water Department
<b>SO<sub>4</sub></b>	Sulphate
<b>SPMU</b>	State Program Management Unit
<b>TDS</b>	Total Dissolved Solids
<b>TPGVA</b>	Third Party Government Verification Agency
<b>VWSC</b>	Village Water & Sanitation Committee
<b>WB</b>	Water Budget
<b>WL</b>	Water Level
<b>WMC</b>	Water Management Committee
<b>WP</b>	Women Participation
<b>WQ</b>	Water Quality
<b>WQDES</b>	Water Quality Data Entry System
<b>WSC</b>	Water And Sanitation Committee
<b>WSP</b>	Water Security Plan
<b>WUA</b>	Water User Association
<b>A</b>	Adequate
<b>NI</b>	Needs Improvement
<b>CAR</b>	Consultative Approach Result
<b>SAR</b>	Scheme Awareness Result

## Executive Summary

**A**tal Bhujal Yojana is a Central Sector Scheme that envisages improvement in groundwater management in select water-stressed areas of identified states viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh. The total outlay of the scheme is INR 6,000 crore, of which INR 3,000 crore shall be in the form of a loan from the World Bank and INR 3,000 crore from the Government of India (GoI). It is being implemented over a period of five years from 2020-21 till 2024-25. The World Bank is financing the scheme under its Program for Results (PforR) lending instrument, in which disbursements are linked to achievements of predefined results. The scheme has two components:

- i) **Institutional Strengthening and Capacity Building Component**, aimed at strengthening the groundwater governance mechanism in the participating States.
- ii) **Incentive Component**, aimed at rewarding/incentivizing the States for various measures aimed at improving groundwater management practices and ensuring the long-term sustainability of groundwater resources.

Disbursements under the incentive component are linked to the performance of States against identified Disbursement Linked Indicators (DLIs), duly verified by an independent Third-Party Government Verification Agency (TPGVA). To carry out independent verification of results in respect of the DLIs, M/s Quality Council of India (QCI) has been engaged as the TPGVA by the Department of Water Resources, River Development and Ganga Rejuvenation,

Ministry of Jal Shakti, Government of India.

1st round of verification in respect of DLI#1 was completed in December, 2020 and the final report was submitted in January, 2021. Accordingly, the Incentive money was disbursed to states.

The current report incorporates the results and findings of the verification done by QCI to arrive at successful occurrences in respect of 2nd round of DLI#1 and 1st round of DLI#2.

The 2nd Round of Verification of DLI#1 for achievements by the participating states was carried out by QCI from 1st October, 2021 to 11th October, 2021.

DLI#1 incentivizes improvement in the overall quality of groundwater monitoring and data dissemination by the participating States. The verification has been done as per the protocol shared with states for second round. The indicators considered during this verification includes additional number of observation wells established for disclosure of water level and quality data, number of wells equipped with functional water/energy meters and additional number of Hydrogeological Reports updated and new reports prepared and uploaded on the MIS.

Concerning water level and water quality data disclosed by the States in the MIS ([ataljal.mowr.gov.in](http://ataljal.mowr.gov.in)), a random sample of 20% drawn at the block-level or six blocks, whichever is higher, was taken for verification. Digital and/or physical records of source data were checked with the MIS to identify any mismatch between the two.

The percentage of discrepancies found in the sample size was extrapolated to the total data

disclosed by the States to arrive at an effective number of wells for which data disclosure was deemed as achieved. Hydrogeological Reports disclosed by the states were assessed for their completeness following a prescribed procedure. Total number of successful occurrences was arrived at based on the summation of effective number of observation wells in respect of water level and water quality for which data was disclosed as per the verification protocol, as well as the number of Hydrogeological Reports that were deemed complete.

Based on the verification of all the eligible indicators against DLI#1 in the 2nd round, a total of 193 occurrences were recommended for all the seven states for disbursement of incentives.

The initial verification of DLI#2 was carried out by QCI between 12th October 2021 and 18th November 2021 for 1930 WSPs. It was observed that the protocols<sup>1</sup> employed for this phase of verification did not capture the ground realities of the scheme in a holistic manner. Hence, the results did not reflect the process of preparation of WSPs accurately. As a result, based on QCI's on field observations, inputs given by the states, NPMU and the M/o Jal Shakti, the verification of DLI#2 was prolonged as it was considered a continuous process of capacity building. Based on the same, a new set of protocols<sup>2</sup> in consultation with NPMU & M/o Jal Shakti, were devised to carry out the verification for DLI#2, by modifying certain criteria of the protocols mentioned in Annexure-IB. These protocols also yielded to the condition of the COVID-19 pandemic in the country during the verification

period. These modified qualifying parameters emphasized on the 'Process' along with the 'Results'.

Meanwhile, the 1930 WSPs submitted initially were cumulatively assessed along with the 1257 WSPs submitted subsequently. The 1st round of verification of DLI#2 was carried out from 16th Jan, 2022 to 15th Feb, 2022, for a total of 3187 WSPs.

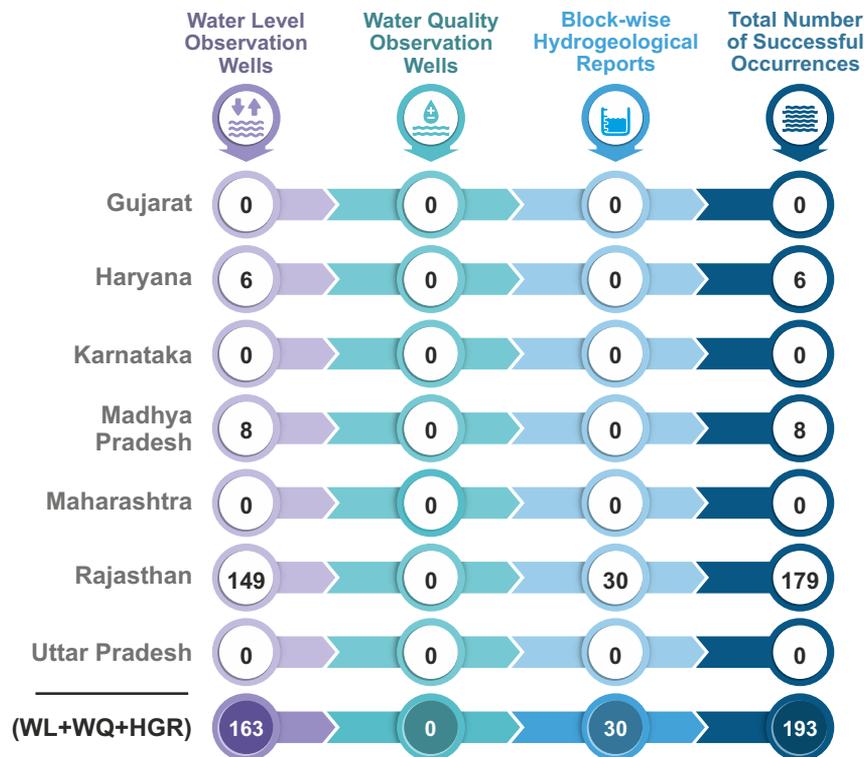
The NPMU Team conducted a preliminary analysis of the submitted WSPs based on the qualification parameters. The technical aspects of the WSP such as the completeness and correctness, Water Budget and the proposed Demand and Supply side interventions were checked by the NPMU in their preliminary analysis, before sharing the final list of WSPs with QCI for field verification. From the list of 3187 received WSPs, a 20% sample was drawn for the field verification. The 20% sampling was done across all the districts to ensure uniformity and geographical representation.

The field verification by QCI was focused on assessing the extent of community participation in the process of preparation of WSPs. This was done via Physical Interviews with the Committee and Community members who were involved in the process of preparation and approval of WSP in their respective Gram Panchayats. Additionally, QCI also checked the documentation of the meetings held at Gram Panchayat level along with the documentation of IEC activities.

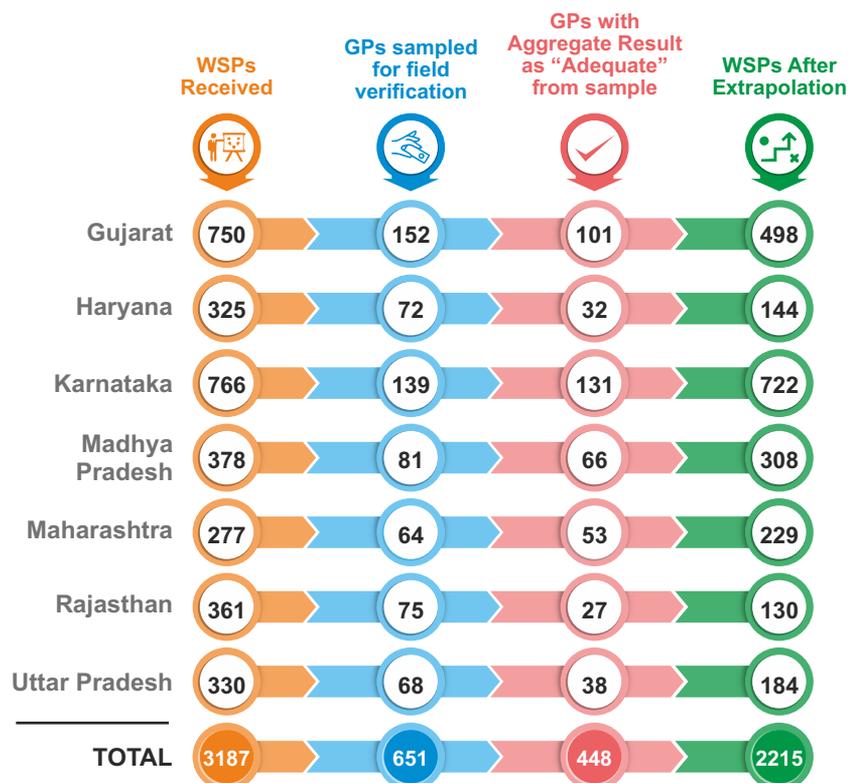
<sup>1</sup>The verification protocols for 1st round of verification for DLI#2 are mentioned in Annexure IB

<sup>2</sup>The modified verification protocols for 1st round of verification for DLI#2 are mentioned in Annexure IC

**Table A: Summary table of Year on Year improvement across 7 states, for disbursement of funds under DLI#1**



**Table B: Summary table of GPs considered ‘Adequate’ for Community Participation assessment under DLI#2**



# Introduction

## 1.1 Introduction

**A**tal Bhujal Yojana was launched by the Hon'ble Prime Minister Shri Narendra Modi on 25th December 2019, the 95th birth anniversary of former Prime Minister Shri Atal Bihari Vajpayee. The scheme endeavors to improve groundwater management in the identified water-stressed regions of seven states viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh.

Atal Bhujal Yojana is a Central Sector Scheme with an outlay of INR 6,000 crores, out of which INR 3,000 crores will be loaned by the World Bank and INR 3,000 crores will be contributed by the Government of India (GoI). The funds under the scheme shall be provided to the States as grants-in-aid. The World Bank financing will be done under a new lending instrument, that is Program for Results (PforR), wherein funds under the scheme will be disbursed from the World Bank to the GoI based on the achievement of predetermined parameters. The scheme will be implemented over a period of five years from 2020-21 till 2024-25.

The objective of the Atal Jal program is to improve the management of groundwater resources in water-stressed regions of the implementing States with an emphasis on community participation, demand-side management and convergence of various ongoing schemes of the Central and State governments.

The scheme has two components, which are as follows:

- i) Institutional Strengthening and Capacity Building Component** - It is aimed at strengthening the groundwater governance mechanism in the implementing States.
- ii) Incentive Component** - This is directed at incentivizing the implementing States for various measures to improve groundwater management practices and ensuring long-term sustainability of groundwater resources.

Under the Incentive Component, States will be rewarded for activities such as:

- a)** Disclosure of groundwater monitoring in the public domain.
- b)** Successful convergence between various ongoing schemes of the Central and State Governments.
- c)** Implementation of community led supply-side and demand-side interventions to promote sustainable groundwater management.
- d)** Ensuring the increase in groundwater levels through improved and sustainable water usage practices.

Disbursements under the incentive component are linked to the performance of states against identified **Disbursement Linked Indicators (DLIs)**. Disbursement of funds is subject to achievement of these predetermined indicators by the implementing agencies after due verification by a Third-Party Government Verification Agency (TPGVA).

### **A total of five DLIs will be considered:**

**DLI#1 - Public disclosure of ground water data/information and reports:** This DLI incentivizes the strengthening of groundwater management institutions to ensure periodic collection of data and public disclosure of groundwater related information. This is taken as a measure for improved quality of groundwater monitoring and data dissemination.

**DLI#2 - Preparation of Community-led Water Security Plans:** This DLI incentivizes the roll-out of a standardized bottom-up approach for groundwater planning process through the preparation of community-led Water Security Plans (WSPs) at the Gram Panchayat (GP) level.

**DLI#3 - Public financing of approved Water Security Plans through convergence of ongoing/new schemes:** This DLI incentivizes the implementation of the groundwater planning process to improve the effectiveness of public financing through the convergence of various government schemes.

**DLI#4 - Adoption of practices for efficient water use:** This DLI incentivizes the implementation of demand-side measures in the WSPs and highlights the importance of shifting focus from supply-side measures to demand-side measures to improve groundwater sustainability.

**DLI#5 - Improvement in the rate of decline of groundwater levels:** This DLI incentivizes the arrest in decline of groundwater levels in target areas. This will be realized at the block level by comparing the improvement in the declining groundwater levels compared to the baseline trend.

In order to carry out independent verification of results with respect to the above-mentioned DLIs, the Quality Council of India (QCI) has been selected as the Third-Party Government Verification Agency (TPGVA) by the Department of Water Resources, River Development and Ganga Rejuvenation (DoWR, RD&GR), Ministry of Jal Shakti, Government of India. The key tasks of the agency include

establishing baseline data, building the verification protocols to assess the performance of seven implementing States, and preparing performance reports with respect to achievement of DLIs to DoWR, RD&GR within the prescribed time-frame.

The verification of DLI#1 was carried out by QCI between 16th December 2020 and 26th December 2020, the report for which was submitted to Department of Water Resources, River Development and Ganga Rejuvenation (DoWR, RD&GR) on 25th January 2021. Verification of the disclosed data under DLI#1 was done on the basis of the protocol formulated in line with the Program Guidelines Ver.1.1 of Atal Bhujal Yojana. A total of 3435 successful occurrences were recommended. This was based on the summation of the effective number of observation wells with water level and water quality data, along with the number of complete block-wise Hydrogeological Reports (HGRs) considered for disbursement of incentives to the seven implementing states.

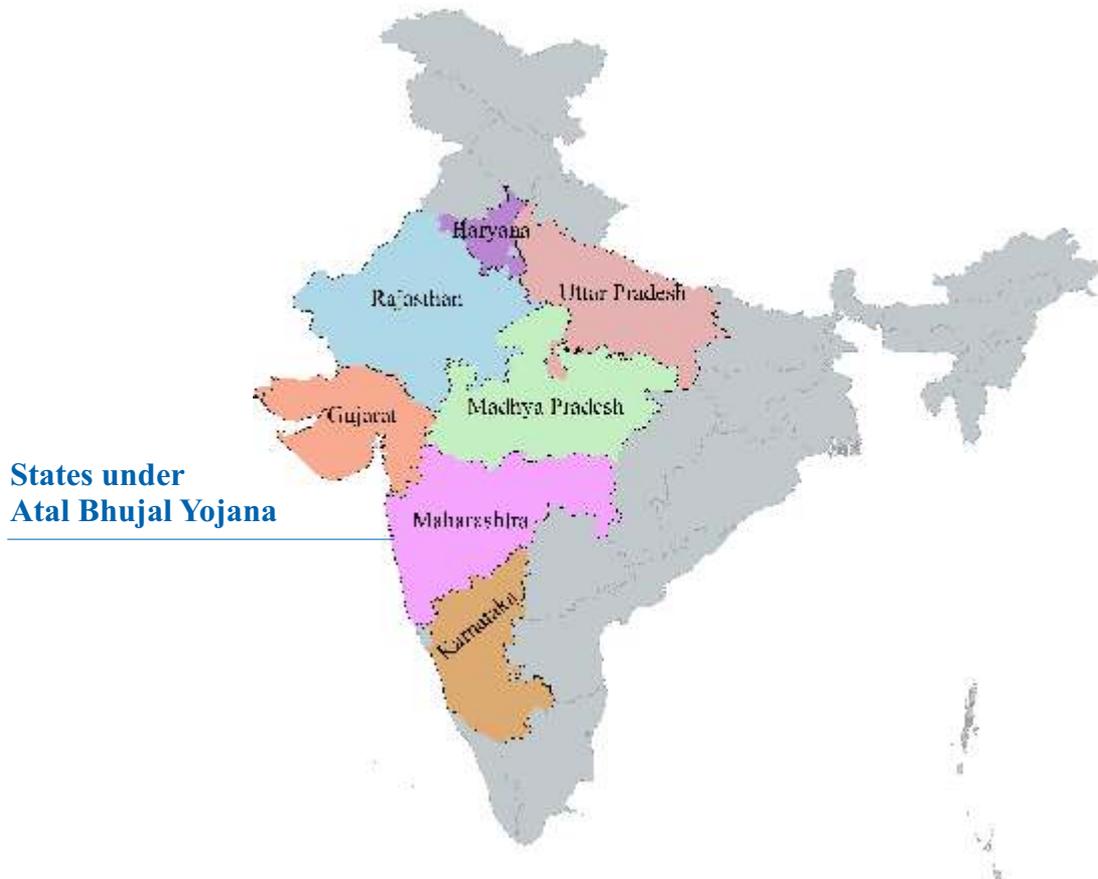
This report presents the results for the verification of 2nd round of DLI#1 and the 1st round of DLI#2 carried out by the TPGVA. QCI followed the modified protocols formulated and finalized in consultation with the NPMU and M/o Jal Shakti for the 1st round verification of DLI#2 and carried out the assessment accordingly. These modified protocols focused on ‘process’ along with ‘Result’ in the participating States. This report is divided into five chapters. Chapter I introduces the Atal Jal Scheme, the extent of its implementation and the timeline of the verification process; Chapter II discusses the approach and methodology adopted towards verification; Chapter III discusses the quality control mechanisms undertaken; Chapter IV summarizes the results of verification, the baseline data established, and the State-wise achievement. Chapter V presents the conclusion. Further details that help understand the verification process are added in Chapter VI (ANNEXURE).

## 1.2 Extent of Atal Jal

The following table shows the number of Districts, Blocks and Gram Panchayats (GPs) under the Atal Jal Yojana in the seven participating states:

**Table C: Details of Area under Atal Jal in Participating States**

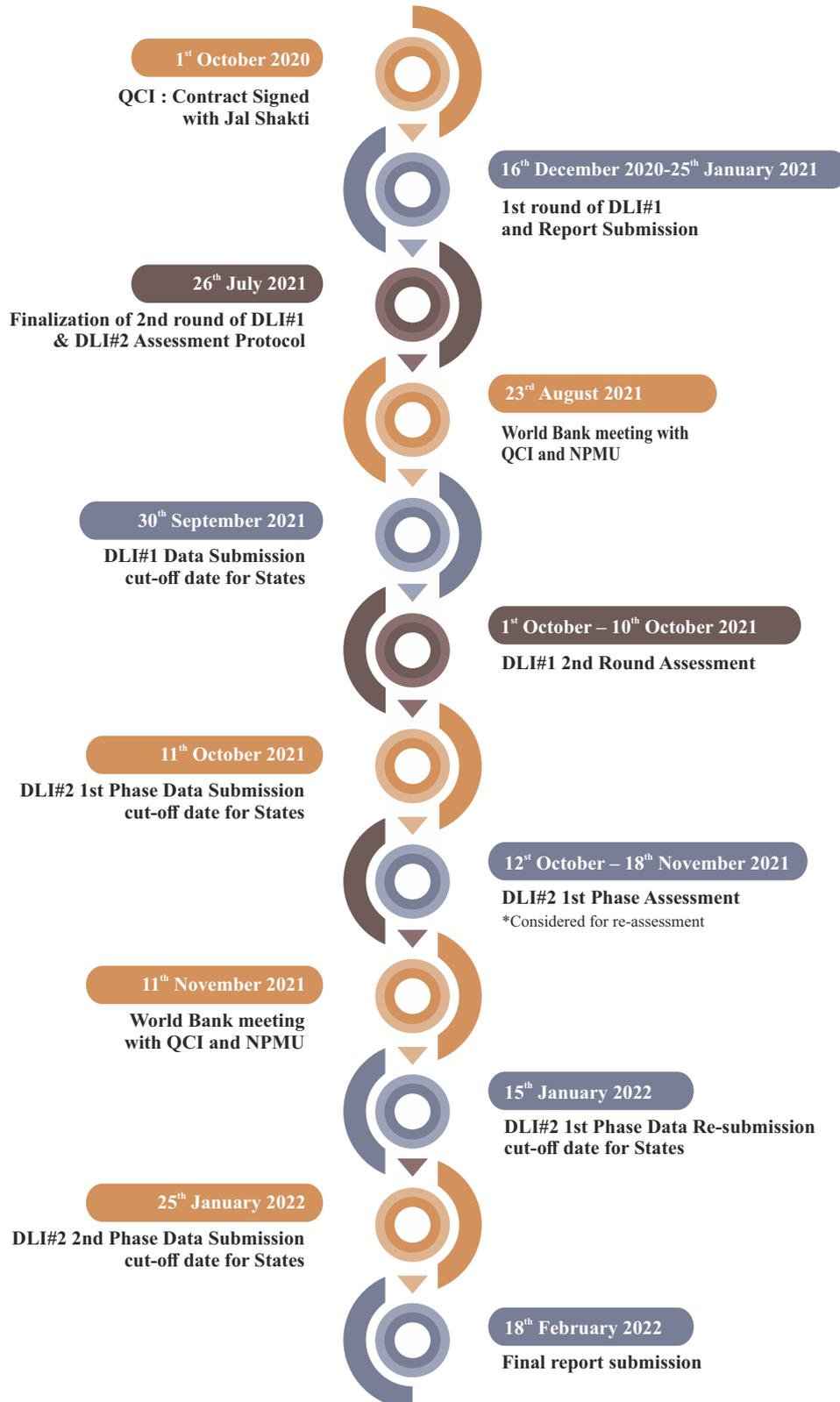
S. No	State	Districts	Blocks	GPs
1	GUJARAT	7	34	2,201
2	HARYANA	14	36	1,669
3	KARNATAKA	14	41	1,199
4	MADHYA PRADESH	6	9	672
5	MAHARASHTRA	13	38	1,339
6	RAJASTHAN	17	38	1,144
7	UTTAR PRADESH	10	26	550
	<b>TOTAL</b>	<b>81</b>	<b>222</b>	<b>8774</b>



1.3

**Timeline for the Verification of Achievements for Atal Jal**

**Timeline – Atal Bhujal Yojana**



# Approach & Methodology

## 2.1 Approach and Methodology for Verification of DLI#1

The approach and methodology of data verification is based on the verification protocol for the 2nd round of DLI#1 and the 1st round of DLI#2, which is in line with the Program Guidelines (Version 1.1) and Project Appraisal Document (PAD) of the World Bank. (ANNEXURE: I-A & I-B). All the verification protocols have been shared with states well in time and adequate exposure / training have been imparted to states.

As per the verification protocol for 2nd round of DLI#1, the achievement by a State against the second round of DLI#1 was verified with respect to the following sub-indicators:

- a. **Water Level Data** – New observation wells in the program blocks for which water level data, monitored using a functional measuring device is available and disclosed and updation of water level data of 2020 for Observation Wells (OWs) disclosed on the MIS after the first round of verification which was set as a qualifying criteria.
- b. **Water Quality Data** – New observation wells in the program blocks for which water quality data is available and disclosed and updation of water quality data of 2020 for Observation Wells (OWs) disclosed on the MIS after the first round of verification which was set as a qualifying criteria.
- c. **Energy Consumption or Volumetric Groundwater Usage Meters<sup>1</sup>** – No. of wells equipped with functional meters for measuring energy consumption or volumetric groundwater usage.
- d. **Public Disclosure<sup>2</sup>** – Disclosure of data by States through different modes/mechanism.
- e. **Hydrogeological Reports** – New 'Hydrogeological Reports' with information, pertaining to groundwater level and water quality monitoring were available and disclosed and updation of Hydrogeological Reports disclosed. Also on the MIS after the first round of verification.
- f. **Groundwater Quality Labs** – No. of State-level accredited groundwater quality labs (non-disbursing).

<sup>1</sup> As the data for the sub-indicator (c) was not disclosed by the states, the same was not considered for verification.

<sup>2</sup> As the data for the sub-indicator (d) disclosed by states was not appropriate and the same was not considered for verification.

## 2nd Round of DLI#1

The verification for 2nd round of DLI#1 includes year-on-year improvements on indicators verified in the 1st round as well as other additional indicators. Thus, an addendum protocol had been formulated for the second round.

The figure below depicts the detailed methodology for the verification of second round:

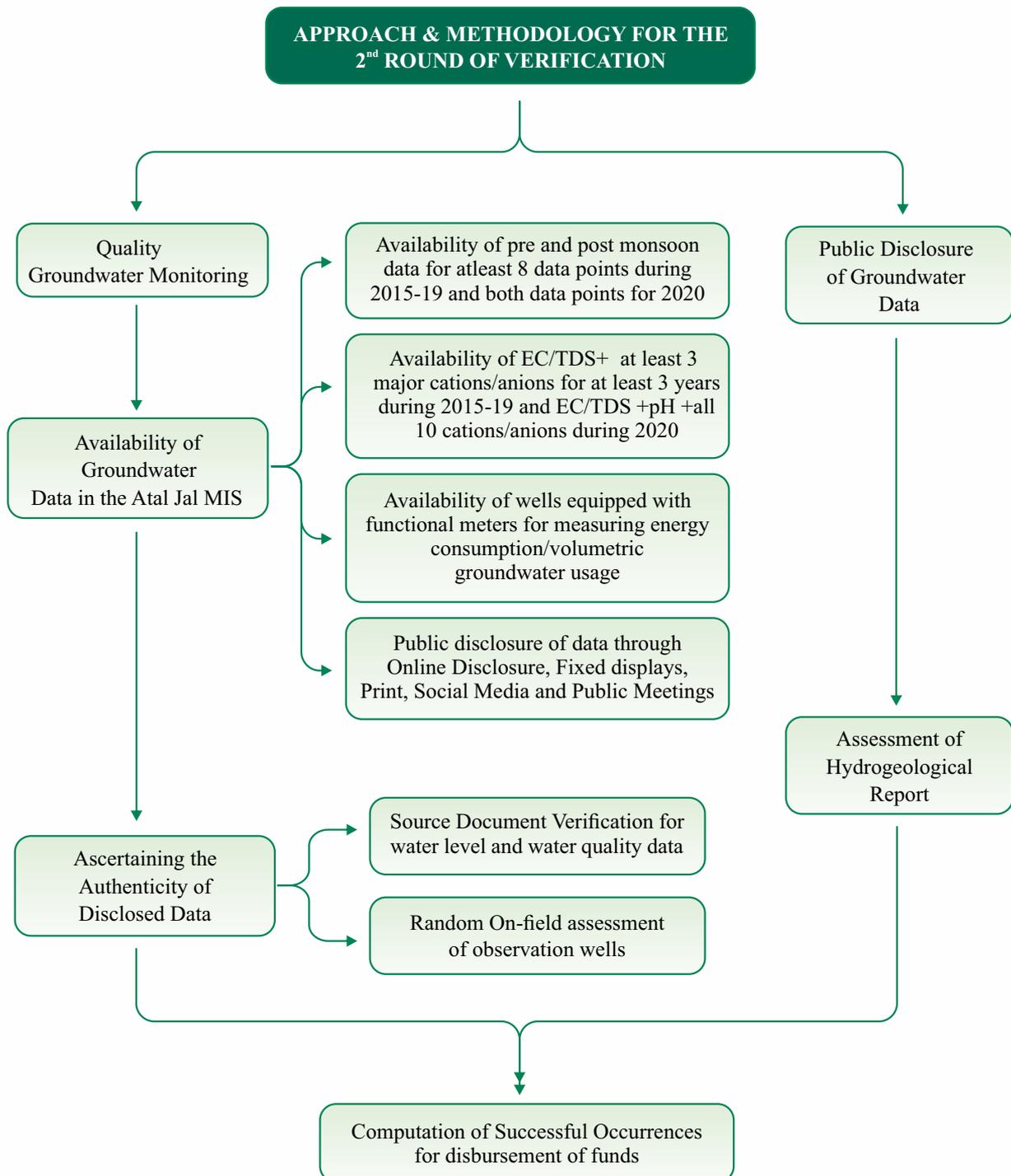


Figure 1: Methodology of verification of DLI#1 for 2nd round

## 2.1.1 Availability of Water Level and Water Quality Data in the Atal Jal MIS

### 2.1.1.1 Availability of Water Level Data

**Qualifying Criteria:** Updation of water level data for pre-monsoon (May) and post-monsoon (November) period of 2020 for at least 90% of Observation Wells (OWs) disclosed on the MIS after the first round of verification.

For verification of water level of observation wells, pre-monsoon (May) and post-monsoon (November) data was considered.

- For the 1st round of verification of DLI#1, availability of at least 8 data points (in respect of pre-monsoon and post-monsoon water levels) out of the total of 10 possible data points over the period 2015-19 were considered as a minimum requirement for

qualification for disbursement of incentives.

- For the 2nd round of verification of DLI#1, an additional 2 points for the year 2020 having pre-monsoon and post-monsoon water level data have been included as a minimum requirement for qualification for disbursement of incentives.

Thus, a minimum requirement for qualification in the 2nd round is 8 data points in 2015-19 and 2 data points in 2020. Hence, in both 1st and 2nd round of verification, only the wells passing the requirement mentioned above were considered to have disclosed enough data and were taken for further verification.

**Table D: State Wise Availability of Water Level Data as per verification protocols**

State	No. of OWs as received by QCI	No. of OWs after data cleaning	Number of OWs for which data qualified as per Verification Protocol
Gujarat	490	490	0
Haryana	631	630	6
Karnataka	900	650	0
Madhya Pradesh	190	190	8
Maharashtra	3610	3610	0
Rajasthan	725	723	155
Uttar Pradesh	394	383	0
<b>Total</b>	<b>6940</b>	<b>6676</b>	<b>169</b>

### 2.1.1.2 Availability of Water Quality Data

**Qualifying Criteria:** Updation of water quality data of 2020 for at least 90% of Observation Wells (OWs) disclosed on the MIS after the first round of verification.

For verification of water quality of observation wells, data for any one sample per year is considered. The parameters considered for water quality are pH, EC/TDS, Ca, Mg, Na, K, CO<sub>3</sub>, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub> and F.

- Availability of Specific Electrical Conductance (EC) or Total Dissolved Solids (TDS), together with at least 3 major cations/anions (Ca, Mg, Na, K, CO<sub>3</sub>, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub>, F) for at least 3 years during

2015-19 was considered sufficient for an observation well to be considered eligible for disbursement.

- For the 2nd round of verification, the wells required 2020 data to be available for EC/TDS, pH & 10 ions (cations/anions), to be considered eligible for disbursement.

The protocols for 1st round and 2nd round for verification for DLI#1 were kept the same. In both rounds of verification, only such wells were considered which fulfilled the filtering criteria and the set data points. Hence, such wells were taken for further verification.

**Table E: State Wise Availability of Water Quality Data as per verification protocols**

State	No. of OWs as received by QCI	No. of OWs after data cleaning	Number of OWs for which data qualified as per Verification Protocol
Gujarat	440	440	0
Haryana	240	240	0
Karnataka	Year 2020 Data not submitted		
Madhya Pradesh	190	190	0
Maharashtra	Year 2020 Data not submitted		
Rajasthan	674	674	0
Uttar Pradesh	No Data submitted		
<b>Total</b>	<b>1544</b>	<b>1544</b>	<b>0</b>

### 2.1.1.3 Document Verification for Water Level and Water Quality

As per the verification protocol, the authenticity of data disclosed was assessed through verification of data sources. The authenticity of data was established in two phases:

1. In the 1st phase, the QCI team visited the State agencies' (SPMU) offices to physically verify the data submitted by states on MIS against original sources of data. In case of non-availability of data at that level, both CGWB and SGWD data centers and water quality laboratories were additionally visited for verification.
2. In the 2nd phase, the disclosed Observation Wells were randomly visited to gauge accessibility and usability.

A methodological approach was adopted for the selection of sample observation wells for verification, ensuring geographical representation. The sampling criteria and the approach of verification is briefly discussed in the next section.

For sampling, wells disclosed on MIS against water level and water quality were considered for data verification. As per the qualifying protocols 2.1.1.1, sampling was done at the block-level and a random sample of 20% subject to a minimum of 6 blocks were chosen for verification. The blocks were selected as per statistical and spatial analysis discussed later.

Towards verification of Water Level and Water Quality data, both compiled digital and physical

records maintained by the concerned Gram Panchayat/block/district/state government offices were deemed authentic sources of data. For digital documents, state level compilation sources like GEMS (a portal used by Central Ground Water Board to maintain, validate and analyse the ground water data) portal were considered whereas for physical documents, scanned copies of original ground level documents were considered for verification.

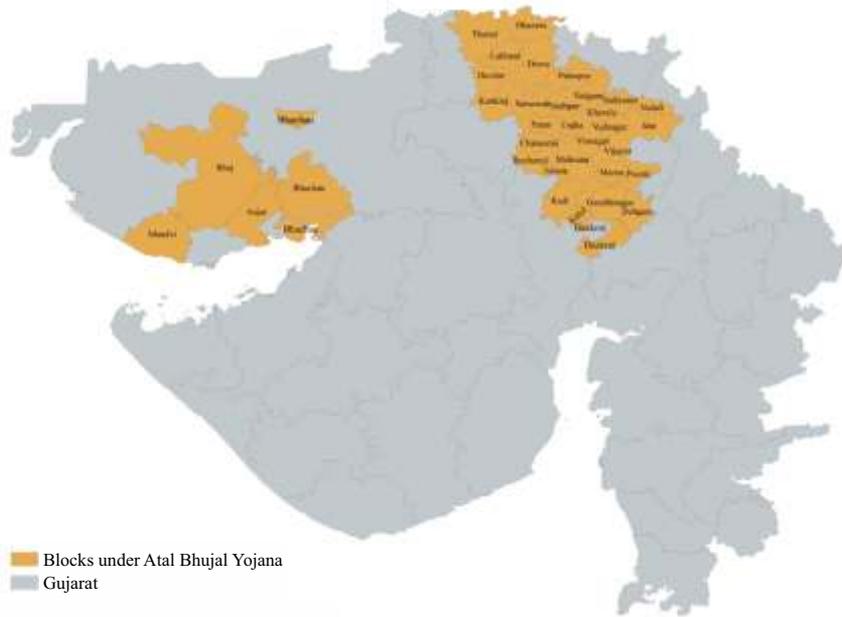
For verification of submitted Water Level data, pre-monsoon and post-monsoon data points were considered whereas for Water Quality verification, data points related to pH, EC/TDS, Ca, Mg, Na, K, CO<sub>3</sub>, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub> and F were considered towards establishing authenticity of information.

Source data procured during TPGVA (QCI) verification was checked against each data point submitted by the state. Discrepancies in data points were noted, to be used subsequently for estimation of successful occurrences with regards to the water level and water quality data disclosed by the states. Discrepancies in other data points were also noted and observations shared with States/NPMU.

Maps highlighting the block wise extent of Atal Bhujal Yojana along with the blocks sampled for Water Level and Water Quality data as a part of

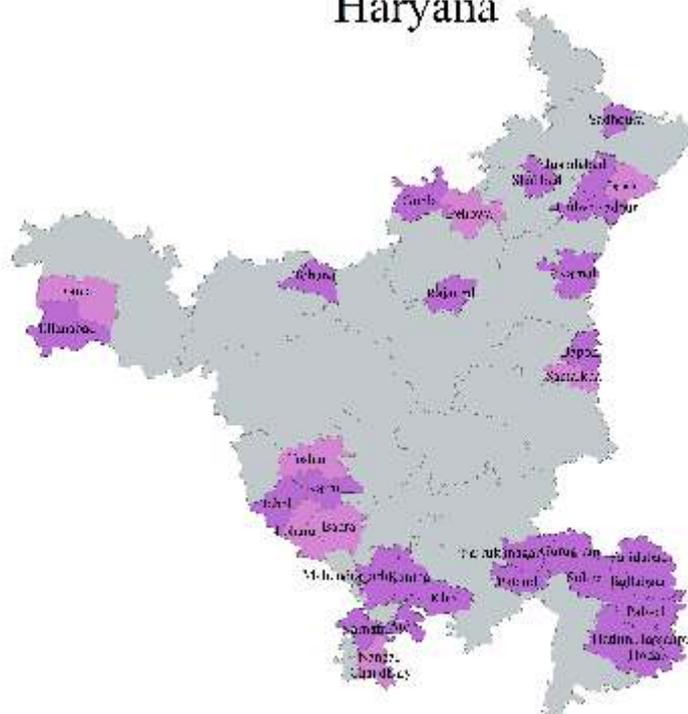
Maps showing the state-wise blocks sampled for WL & WQ are shown below:

### Gujarat



\*State did not qualify for Water level and Water Quality

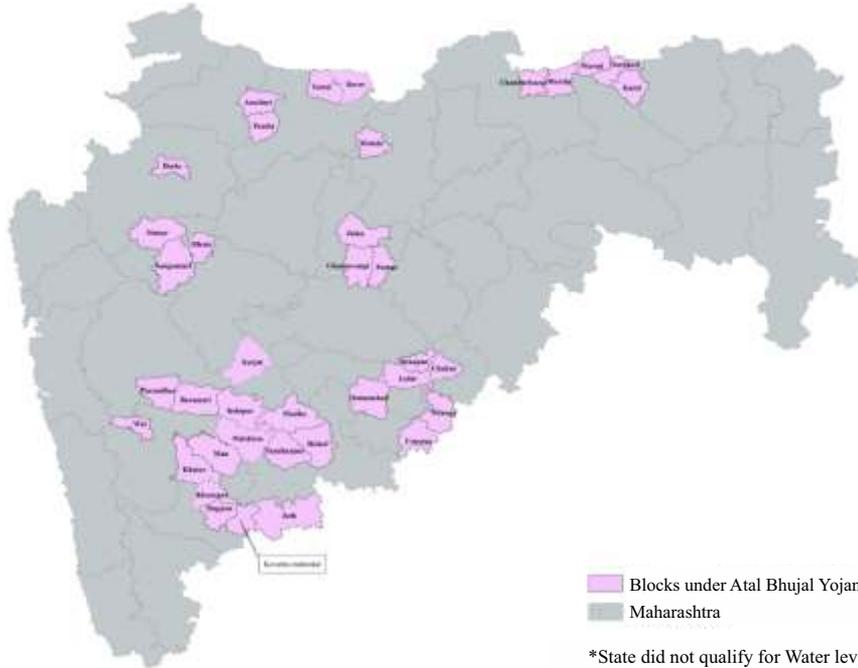
### Haryana



\*State did not qualify for Water Quality.



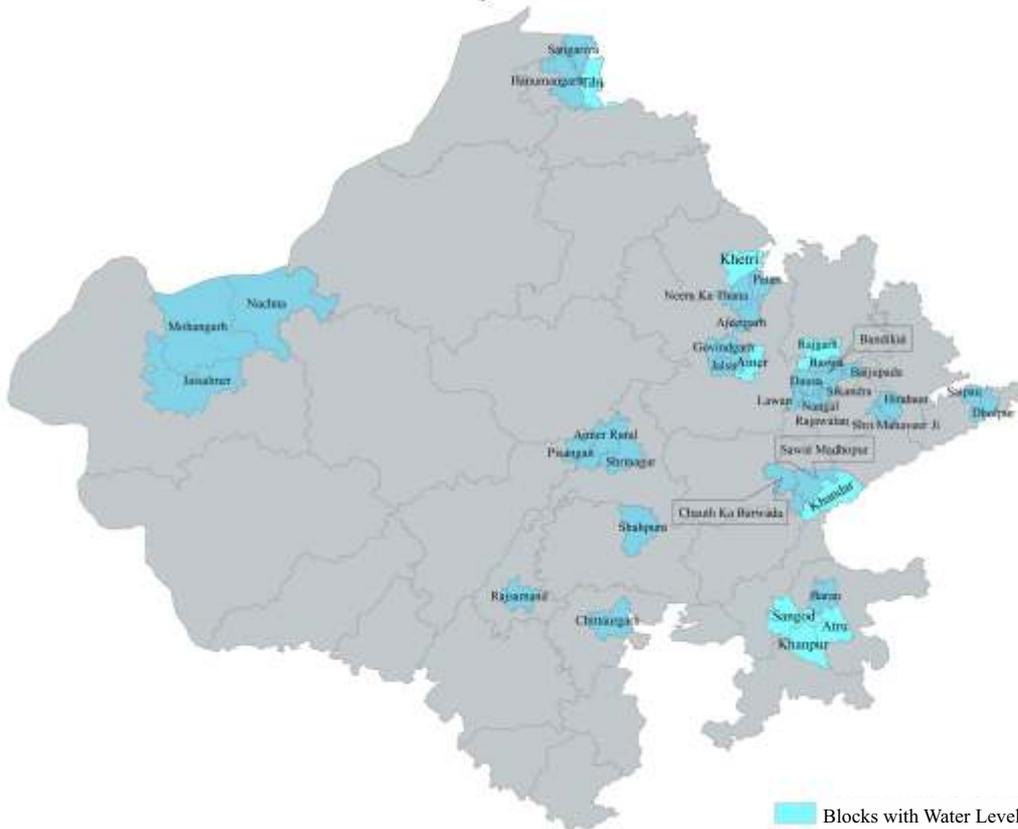
## Maharashtra



Blocks under Atal Bhujal Yojana  
 Maharashtra

\*State did not qualify for Water level and Water Quality

## Rajasthan



Blocks with Water Level Data  
 Blocks under Atal Bhujal Yojana  
 Rajasthan

\*State did not qualify for Water Quality

## Uttar Pradesh



-  Blocks under Atal Bhujal Yojana
-  Uttar Pradesh

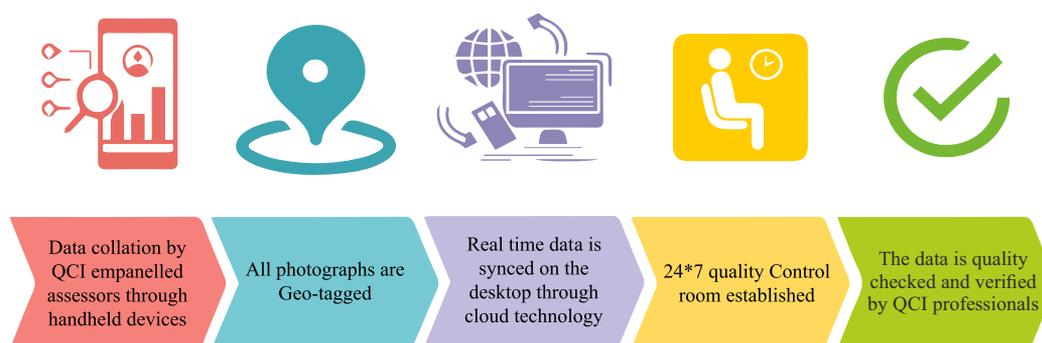
\*State did not qualify for Water level and Water Quality

#### 2.1.1.4 On-field Assessment of Observation Wells

For field verification, wells were chosen at random from the data disclosed by the States w.r.t water level. A random sample of 20% was drawn at the block-level subject to statistical and spatial analysis. 4 OWs per block across a minimum of 6 blocks per state were considered.

To carry out the field assessment, wells were visited based on their location coordinates

(latitude and longitude), provided in data disclosed by states. Upon visiting the well, details related to its accessibility, functionality, frequency of monitoring and measuring mechanism were recorded through a comprehensive questionnaire.



*Figure 2: The process of on-field assessment*

#### 2.1.2 Block-level Hydrogeological Reports

As per the verification protocol, Public Disclosure of data includes dissemination of the block-level Hydrogeological Reports on the MIS. These reports contain basic details, water level and water quality monitoring data of OWs in the block.

Block-level Hydrogeological Reports were assessed based on their completeness in terms of

different parameters, as per the content of the reports. Broadly, the reports consist of three major sections viz. Basic Information, Maps, and Tables that are listed in the template and mentioned in ANNEXURE-IV A. Accordingly, the following key parameters were devised against which scores were allotted.

**Table F: Allocation of scores in assessing Hydrogeological report**

Sections	No. of sub- parameters for scoring	Weightage allotted to each sub parameter	Total score allotted
Basic information	10	0.5	5
Maps	6	1.5	9
Table(I, II, III)	3	2	6
	Grand Total		20

Only those block level reports that were 'Complete' in all aspects and attained a score of 20 were considered for disbursement of incentives against this indicator.

For the purpose of the verification for the second round of DLI#1, the criteria for disbursement with respect to this sub-indicator is as follows:

Adherence to the template shared with the states was the basis for the verification of block-wise Hydrogeological Reports with water level and water quality monitoring information. Each report submitted by the states was evaluated for:

**I. Completeness of Basic Information**

**II.** Availability of six (6) **Maps** (Location map, Hydrogeological map, location of observation wells for monitoring water level and water quality, pre-and post-monsoon water level maps, map showing distribution of specific electrical

conductance. The map showing cross-section of sub surface regionalised aquifer groups was also included optionally, if available.

**III.** Availability of three (3) **Tables** (Basic data of WL/WQ observation wells, ground water level data (2015-2020) and ground water quality data (2015-2020)). It was ensured that the water level and water quality data in the Hydrogeological Reports was consistent with the data uploaded by the states on the MIS of Atal Jal.

**IV. The Hydrogeological Reports** already disclosed during the first round of verification was updated with water level and quality data for the year 2020 and uploaded on MIS of Atal Jal.

### 2.1.3 Public Disclosure

Towards verifying the public disclosure of data, the following modes of disclosure are accepted for the disbursement of funds - online disclosure, fixed displays, print, social media and public meetings. A questionnaire for the same was

provided on the Atal Jal MIS for the collection of data. It was observed that the data disclosed by States was not appropriate and the same was not considered for verification.

### 2.1.4 Computing 'Successful Occurrences' against the achievement of DLI#1

As per the verification protocol, disbursement is to be made towards 5 sub-indicators\* related to Water Level data, Water Quality data, Hydrogeological Reports, Energy Consumption or Volumetric Groundwater Usage Meters and Public Disclosure.

During the process of document verification of water level and water quality data, the data as disclosed on the MIS for the sampled blocks was tallied against the original data sources. Any mismatch between the two data points was noted as a discrepancy. In the case of water level data, only discrepancies related to pre- and post-monsoon data were noted. In the case of water quality data, only discrepancies related to EC/TDS, pH, Ca, Mg, Na, K, CO<sub>3</sub>, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub> and F data were noted.

Since the disbursement is in terms of number of wells for which data was correctly disclosed as per verification protocol, the percentage of discrepancies in the sample was extrapolated to the total number of wells for which data was disclosed. After extrapolation, an effective number of wells for Water level and Water Quality was achieved and considered as successful occurrences.

While evaluating Hydrogeological Reports, every report that is 'Complete' (attained a score of 20) was considered as a successful occurrence.

For a particular state, the summation of effective number of wells for Water Level, Water Quality, and 'complete' Hydrogeological Reports was taken as the total number of successful occurrences.

Energy Meter, Water Meter and Public Disclosure data was not provided by the states. Hence, it was not taken up for further assessment by the TPGVA for the verification of DLI#1.

**Table G: Calculation of Successful Occurrences under 2nd round of DLI#1**

Sub-indicator of Disbursement		Definition of 'Successful Occurrence'
WATER LEVEL (A)		Effective number of observation wells for which public disclosure of data is achieved = $\{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times$ (Total number of observation wells for which data is disclosed as per the verification protocol)
WATER QUALITY (B)		Effective number of observation wells for which public disclosure of data is achieved = $\{1 - (\text{Percentage of discrepancies in water quality data}) / 100\} \times$ (Total number of observation wells for which data is disclosed as per the verification protocol)
HYDROGEOLOGICAL REPORT (C)		Total number of blocks that achieved completion of Hydrogeological Report
CUMULATIVE NUMBER OF WELLS AND REPORTS (OCCURRENCES) QUALIFYING FOR INCENTIVE A, B, AND C		= A+B+C

Energy Meter, Water Meter and Public Disclosure data was not provided by the states.

Hence, it was not taken up for further assessment by the TPGVA for the verification of DLI#1.

## 2.2 Approach and Methodology for Verification of 1st round of DLI#2

The verification for 1st round of DLI#2 was carried out based on modified protocols prepared in consultation with NPMU and taking inputs given by the State. The verification for DLI#2 was conducted by QCI for all the approved Water Security Plans (WSPs) prepared and submitted by the States after the preliminary analysis done by the NPMU. The technical aspects of the WSP such as the completeness and correctness, water budget and the proposed demand and supply side interventions were checked by NPMU in their preliminary analysis, before sharing the final list of approved WSPs with QCI.

To gauge the extent to which the process was followed with reference to the scheme, QCI carried out the on-field verification of 20% of the total approved WSPs. The 20% sampling was done across all the districts to ensure uniformity and geographical representation. The field verification included interviews of committee and community members based on the questionnaire prepared by QCI on the following two parameters:

### i) Consultative Process

The **Consultative Process** included factors such as collective decision making in the preparation of WSPs and the suggestions given by the members during the meetings. To evaluate their participation in the preparation of the WSPs, the committee and community members were enquired about their presence in the meetings and them being informed about Water Budget and WSP. The satisfaction of the respondents was

assessed based on their convenience in participating in the meeting with respect to its timing and location. The respondents were also asked to rate their overall satisfaction with the meetings held under Atal Bhujal Yojana on a Likert scale. The documentation of the meetings held and the IEC materials from the sampled Gram Panchayats were collected and checked by QCI during the field assessment.

### ii) Atal Bhujal Yojana Awareness

The **Awareness** of the respondents about the Atal Bhujal Yojana was evaluated by observing their basic knowledge about the water conservation techniques/ interventions, the Water Budget and the Water Security Plan. The groundwater related issues faced and the sources of water used for household and irrigation purposes in their GP were also observed as a part of the verification process.

The results captured were classified into 'Adequate' and 'Needs Improvement' with respect to the process followed on ground for each of the two parameters: **Consultative Process** and **Atal Bhujal Yojana Awareness**. This classification was based on comparative and absolute standards finalized in consultation with NPMU.

The GPs found 'Adequate' for both the parameters mentioned above were considered as adequate for overall Community Participation assessment. The number of GPs found 'Adequate' for Community Participation assessment were extrapolated to the total number of uploaded WSPs.

## Modified protocols for verification of 1st Round of DLI#2

In the light of COVID-19 pandemic conditions in the country, the NPMU and M/o Jal Shakti formulated a set of interim protocols to carry out the verification of 1st round of DLI#2. Based on QCI's on-filed observations and inputs given by the states, certain criteria of the protocols mentioned in Annexure-IB were changed as per the table given below:

### Modified Criteria for verification of 1st Round of DLI#2

S. No	Filters / Criteria as per Protocol	Original Criteria	Modified Criteria
1.	Declaration	Declaration in proper format should be submitted	As per revised format finalized by NPMU.
2.	Resolution	Presence in proper format Mandatory signature of 75% of members	As per revised format finalized by NPMU.
3.	MoM	75% signatures in Resolution should match with MoM	Relaxed.
		Content & Date	The content of MOM should at least mention approval of WSP.
4.	Completeness of Water Budget	22 filled parameters mandatory	Filter removed, to be flagged only.
5.	Correctness of parameters	8 parameters should be supported by documents	Filter removed, to be flagged only.
6.	20% Women participation in VWSC committee	Mandatory	Filter removed, to be flagged only.

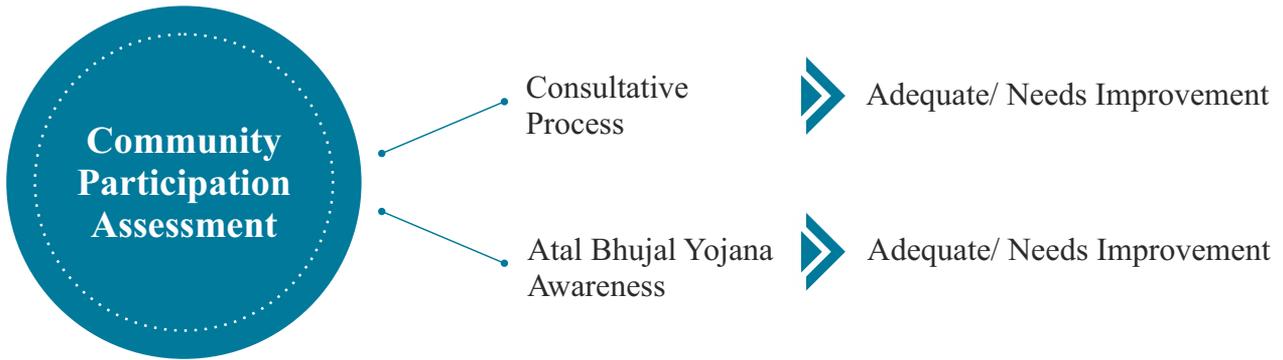


Figure 3: Assessment Procedure for 1st round of DLI#2

**Of the sampled GPs for Community Participation assessment, the following were considered to be 'Adequate'.**

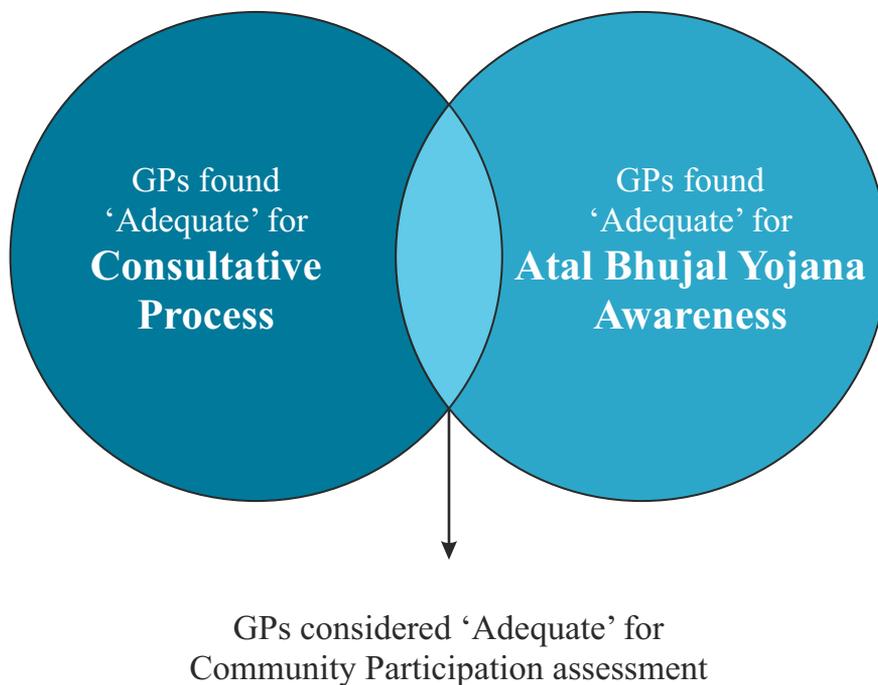


Figure 4: Venn Diagram for Community Participation assessment

# Quality Control Mechanisms

## 3.1 Quality Control Mechanisms for Credible Verification

To ensure quality implementation of the scheme, Quality Council of India as the TPGVA ensured various quality checks throughout the verification.

### Training & Planning Process

Training of Master Trainers programme was conducted as a part of the NPMU workshops, wherein QCI also presented the protocols for documentation awareness. This exercise was undertaken to practically put together different training modules that they would use in future for Training of Trainers (TOT). The trainees were prepared with information for correctness of documentation, digital uploading and file organization and it was thoroughly informed at different levels of the state.

The verification protocol prepared for 2nd round of DLI#1 and 1st round of DLI#2 were shared with the respective states. Deliverables were communicated in physical as well as virtual meetings across seven participating states. The training was completed before undertaking the verification process to provide enough time to states to coordinate, segregate and collect the data required at the State level, District level and GP level for a seamless assessment. Experts from the Indian Statistical Institute (ISI) were taken aboard to vet the assessment protocols for Community Participation assessment developed by QCI.

### Data Sampling and Document Verification

As part of the verification for 2nd round of

DLI#1, a sample of 20% was drawn at block level for the verification. It was ensured that 20% of the sample Observation Wells (OWs) selected for water level and water quality data were randomly selected across stratas or states; blocks of high, medium and low-density wells, located across the implementation areas under Atal Bhujal Yojana. Desktop Assessment of overall data submitted by States was undertaken for Water Level and Water Quality. The sampled blocks were not directly disclosed to the States, however in addition, extra data was collected during the verification. This was done to ensure that there were no cases of manipulation of sampled data. This helped in establishing the authenticity of the collected data.

The water quality data was collected and documented from CGWB and SGWD offices by QCI personnel. Digital records of the sampled wells were downloaded for future reference. The scanned copies of registers/logbooks (used for recording data) were also procured from SPMU and CGWB offices.

Discrepancies observed during verification of data from various sources were documented and assessment sheets were maintained for cross-checking. In cases where a common pattern of discrepancies was observed, the reason for the same was recorded.

### Pilot Visits

As part of the **verification for DLI#2**, Pilots were conducted in the States of Gujarat, Madhya Pradesh, Maharashtra and Uttar Pradesh to check

the feasibility of the verification methodology of DLI#2. The study was integral to understand two aspects of the project:

- (i) Flow of data collection and compilation at various levels (SPMU, DPMU and GP).
- (ii) Levels and methods of community mobilization and participation to arrive at the approved WSPs.

During state visits, the QCI personnel interacted with all stakeholders involved and communicated the protocols and verification process. The pilot study provided a great opportunity to examine different approaches of Community Participation at the ground level. [A brief report on the pilot study is present in the Annexure II]

### Internal Quality Checks

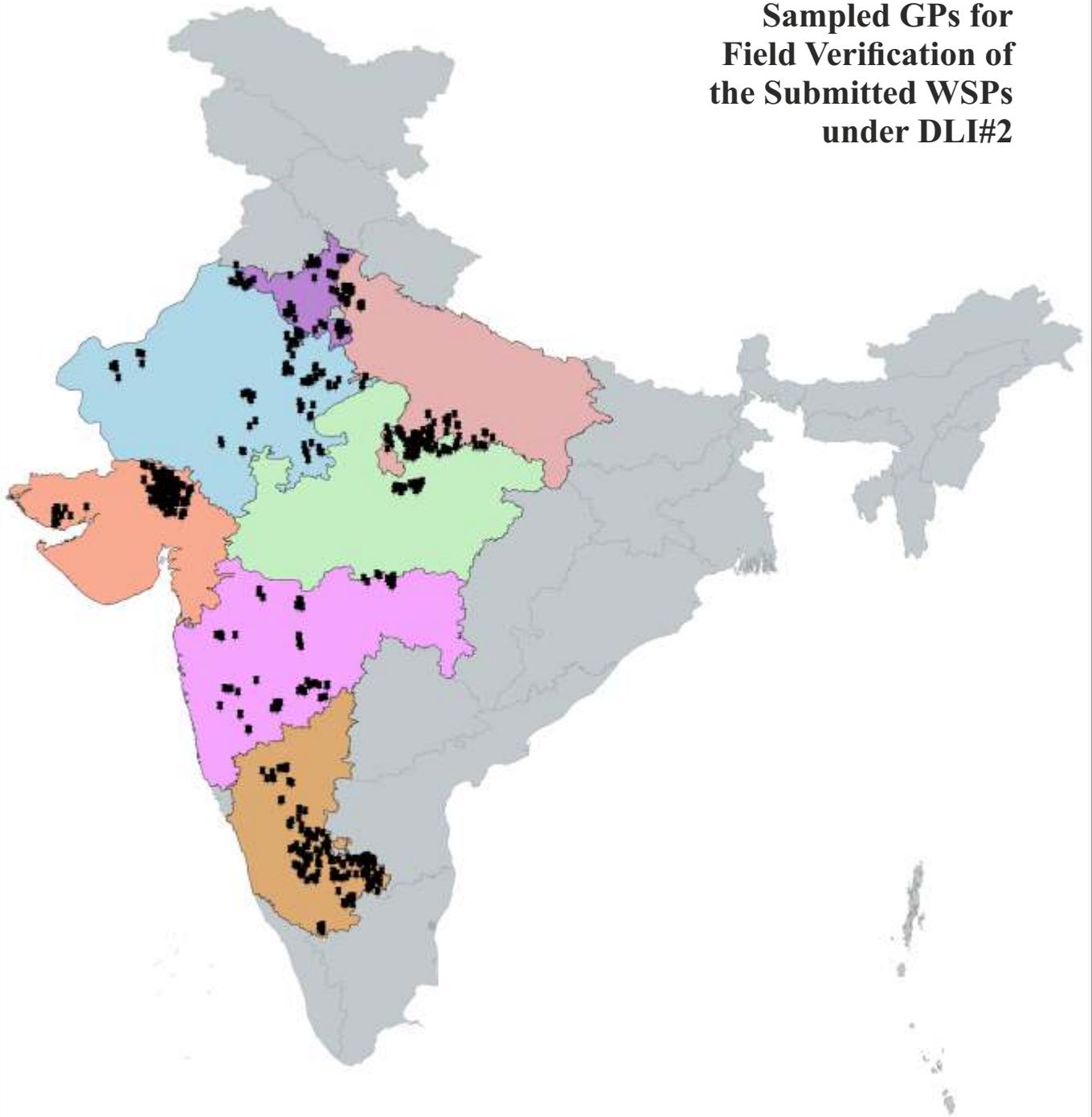
QCI as the TPGVA had several quality control structures in place:

- **Digital data monitoring:** Internal trackers and detailed sheets were maintained to track live progress of assessment.
- **Field visits:** Shadow visits were carried out by QCI professionals in the GPs at random in order to ensure credibility and reliability of the field assessment and maintain oversight. Simultaneously, the 24\*7 war-room established in Delhi HQ ensured the quality of the responses and data through real-time backend quality-checks and re-evaluation of each assessment.
- **Sampling:** From the list of qualified WSPs based on the modified protocols shared by

the NPMU to QCI, a 20% sample was drawn for the field verification. This 20% sampling was done across all the districts to ensure uniformity and geographic representation.

- **Documentation:** For various parameters, the documental evidences submitted on the MIS were thoroughly checked and verified at the backend to ensure the legitimacy of the same. For example, the records of the meetings held in the GPs were checked during the field assessment.
- **Surveys:** To maintain the transparency and quality, QCI ensured geo-tagging of all photographic evidences taken during the field assessment. Additionally, during the backend quality checks, the voice recordings of all the interviews and the videos of select respondents were examined.
- **Clarifications and checks:** Every state had a dedicated single point of contact from the QCI team interacting with state/district officials to help them out with queries related to the protocol.

## Representation of Sampled GPs for Field Verification of the Submitted WSPs under DLI#2



 GPs selected for Community Participation Assessment

# Verification Results and Observations

## 4.1 State-wise summary of results of verification

**Table H: Summary Table of Year on Year Improvement across States, for disbursement of funds under 2nd Round of DLI#1**

Name of State	Total Number Recommended for Disbursement of Incentives under DLI#1			Total number of successful occurrences
	Water Level Observation Wells	Water Quality Observation Wells	Block-wise Hydrogeological Reports	
	A	B	C	A+B+C
Gujarat	0	0	0	0
Haryana	6	0	0	6
Karnataka	0	0	0	0
Madhya Pradesh	8	0	0	8
Maharashtra	0	0	0	0
Rajasthan	149	0	30	179
Uttar Pradesh	0	0	0	0
<b>TOTAL</b>	<b>163</b>	<b>0</b>	<b>30</b>	<b>193</b>

**Table I: State Wise detailed break-up of results of verification for 1st round of DLI#2**

Name of State	WSP Received	Total GP Assessed	Scheme Awareness Result		Consultative Approach Result		Sample Result		Overall Result
			Adequate	Needs Improvement	Adequate	Needs Improvement	No. of GPs with Aggregate Result as 'Adequate'	% of WSP as 'Adequate' in Sample	
Gujarat	750	152	140	12	101	51	101	66.45%	498
Haryana	325	72	68	4	32	40	32	44.44%	144
Karnataka	766	139	139	0	131	8	131	94.24%	722
Madhya Pradesh	378	81	81	0	66	15	66	81.48%	308
Maharashtra	277	64	64	0	53	11	53	82.81%	229
Rajasthan	361	75	56	19	28	47	27	36.00%	130
Uttar Pradesh	330	68	60	8	40	28	38	55.88%	184
<b>Total</b>	<b>3187</b>	<b>651</b>	<b>608</b>	<b>43</b>	<b>451</b>	<b>200</b>	<b>448</b>	<b>68.82%</b>	<b>2215</b>



### 4.1.1 Gujarat

#### DLI#1

In respect of water level, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

In respect of water quality, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

The total number of blocks for which the Hydrogeological Report is disclosed is 0 while the total number of blocks that achieved completion of the Hydrogeological Report is 0.

The total occurrences verified in respect of Gujarat comes out to be 0.

#### DLI#2

Number of approved Water Security Plans (WSP) submitted by the state was 750. Out of these, 152 WSPs were taken at random for the field assessment by QCI as per the modified verification protocol. Out of these, 101 were found to be 'Adequate' for Community Participation Assessment.

Detailed results of the State are mentioned in Annexure IIIA.

#### Field Verification highlights

	Main issue faced by the community with respect to	
	<b>DRINKING WATER QUALITY</b>	<b>IRRIGATION QUANTITY</b>

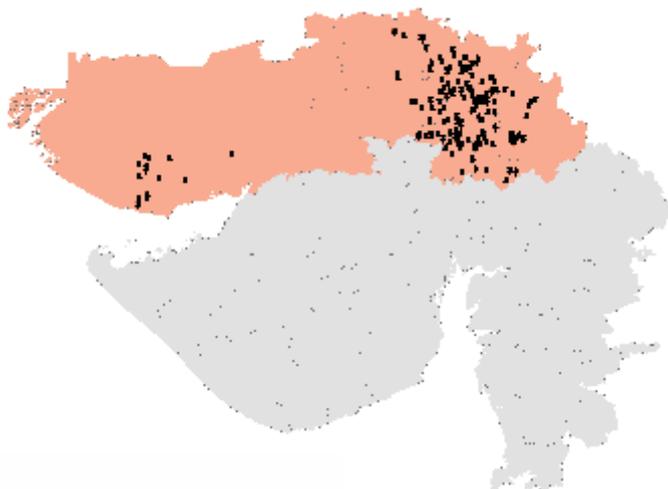
	<b>AWARENESS</b>	
	<b>51%</b>	of the respondents were found to be aware about Atal Bhujal Yojana

	<b>GENDER REPRESENTATION</b>	
	<b>19% FEMALE</b>	<b>81% MALE</b>
	Gender Representation during assessment	

	<b>VOICE</b>	
	<b>58%</b>	of the respondents were directly involved in decision making for the preparation of WSPs

The map given below represents the sampled GPs for field verification in the state:

Sampled GPs for Field Verification



- Districts under Atal Bhujal Yojana
- GPs selected for Community Participation Assessment



### 4.1.2 Haryana

#### DLI#1

In respect of water level, the total number of wells for which data is available as per the verification protocol is 6 and the effective number of observation wells for which public disclosure of data is achieved is 6.

In respect of water quality, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

The total number of blocks for which the Hydrogeological Reports are disclosed is 36 while the total number of blocks that achieved completion of the Hydrogeological Report is 0.

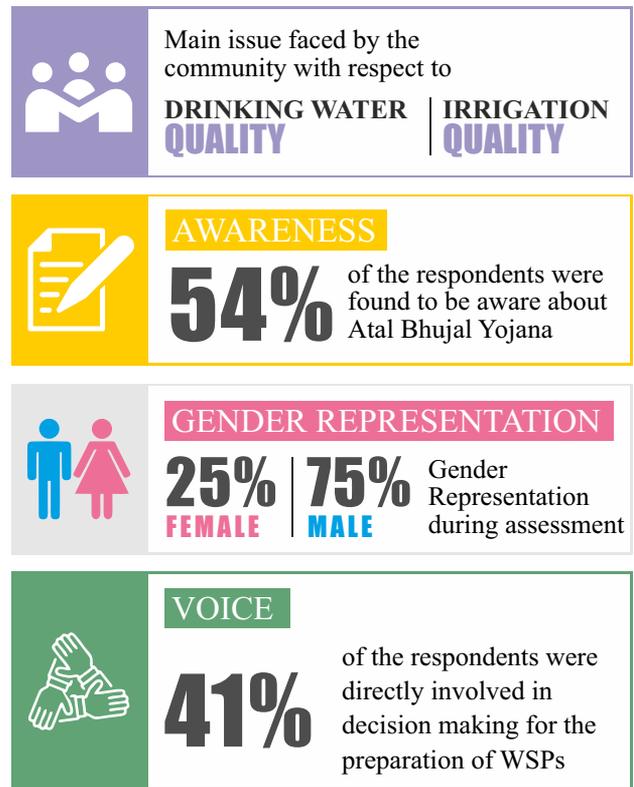
The total occurrences verified in respect of Haryana comes out to be 6.

#### DLI#2

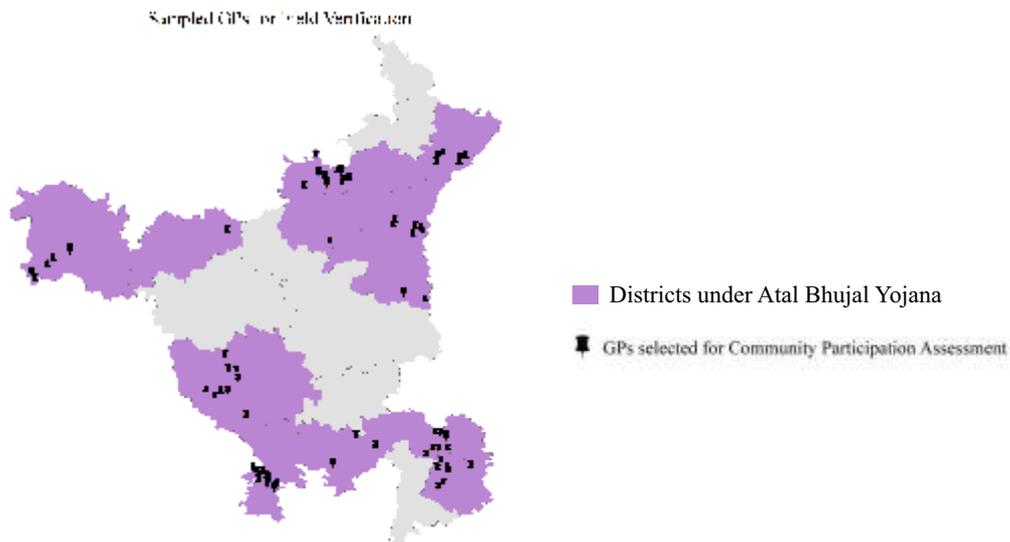
Number of approved Water Security Plans (WSP) submitted by the state was 325. Out of these, 72 WSPs were taken at random for the field assessment by QCI as per the modified verification protocol. Out of these, 32 were found to be 'Adequate' for Community Participation Assessment.

Detailed results of the State are mentioned in Annexure IIIB.

#### Field Verification highlights



The map given below represents the sampled GPs for field verification in the state:





### 4.1.3 Karnataka

#### DLI#1

In respect of water level, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

In respect of water quality, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

The total number of blocks for which the Hydrogeological Reports are disclosed is 41 while the total number of blocks that achieved completion of the Hydrogeological Report is 0.

The total occurrences verified in respect of Karnataka comes out to be 0.

#### DLI#2

Number of approved Water Security Plans (WSP) submitted by the state was 766. Out of these, 139 WSPs were taken at random for the field assessment by QCI as per the modified verification protocol. Out of these, 131 were found to be ‘Adequate’ for Community Participation Assessment.

Detailed results of the State are mentioned in Annexure IIIC.

#### Field Verification highlights

Main issue faced by the community with respect to

<b>DRINKING WATER QUALITY</b>	<b>IRRIGATION QUALITY</b>
-------------------------------	---------------------------

**AWARENESS**

**84%** of the respondents were found to be aware about Atal Bhujal Yojana

**GENDER REPRESENTATION**

<b>34%</b> FEMALE	<b>66%</b> MALE
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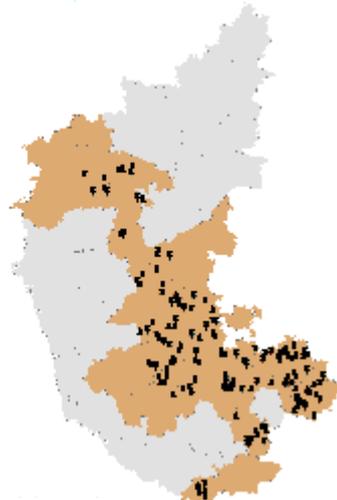
Gender Representation during assessment

**VOICE**

**86%** of the respondents were directly involved in decision making for the preparation of WSPs

The map given below represents the sampled GPs for field verification in the state:

Sampled GPs for Field Verification



■ Districts under Atal Bhujal Yojana

● GPs selected for Community Participation Assessment



### 4.1.4 Madhya Pradesh

#### DLI#1

In respect of water level, the total number of wells for which data is available as per the verification protocol is 8 and the effective number of observation wells for which public disclosure of data is achieved is 8.

In respect of water quality, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

The total number of blocks for which the Hydrogeological Reports are disclosed is 9 while the total number of blocks that achieved completion of the Hydrogeological Report is 0.

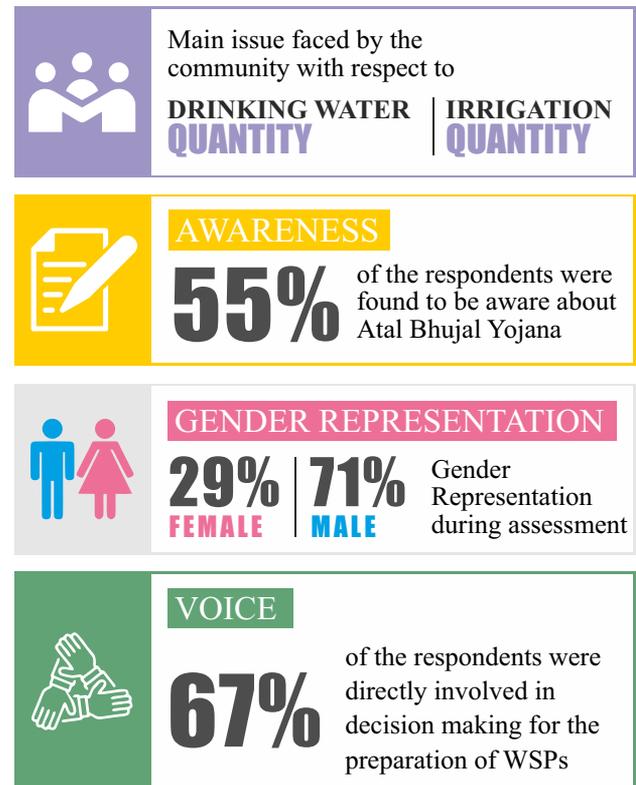
The total occurrences verified in respect of Madhya Pradesh comes out to be 8.

#### DLI#2

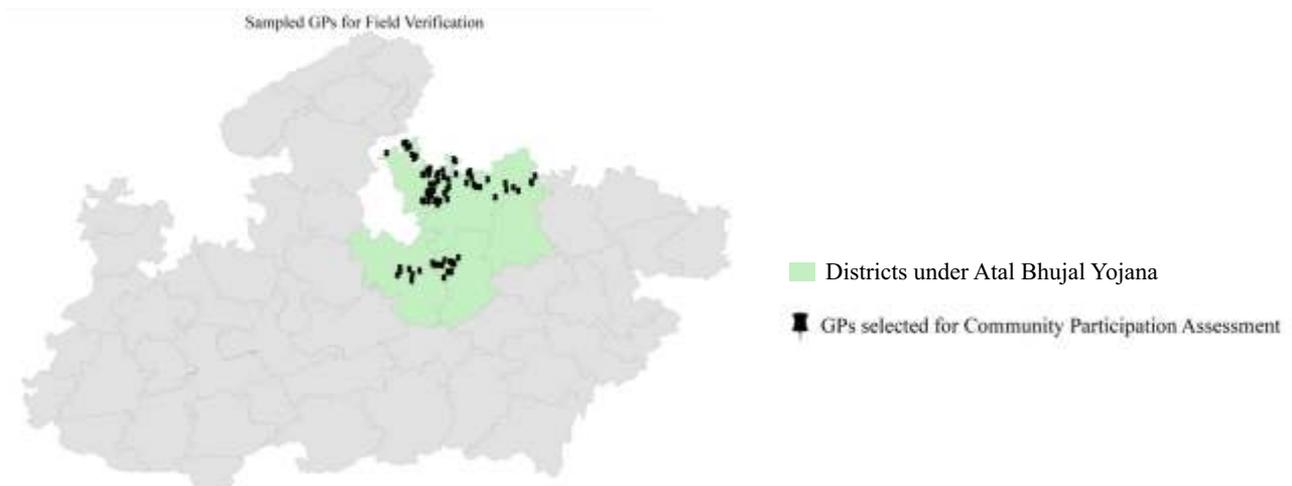
Number of approved Water Security Plans (WSP) submitted by the state was 378. Out of these, 81 WSPs were taken at random for the field assessment by QCI as per the modified verification protocol. Out of these, 66 were found to be 'Adequate' for Community Participation Assessment.

Detailed results of the State are mentioned in Annexure IIID.

#### Field Verification highlights



The map given below represents the sampled GPs for field verification in the state:





**4.1.5 Maharashtra**

**DLI#1**

In respect of water level, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

In respect of water quality, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

The total number of blocks for which the Hydrogeological Reports are disclosed is 38 while the total number of blocks that achieved completion of the Hydrogeological Report is 0.

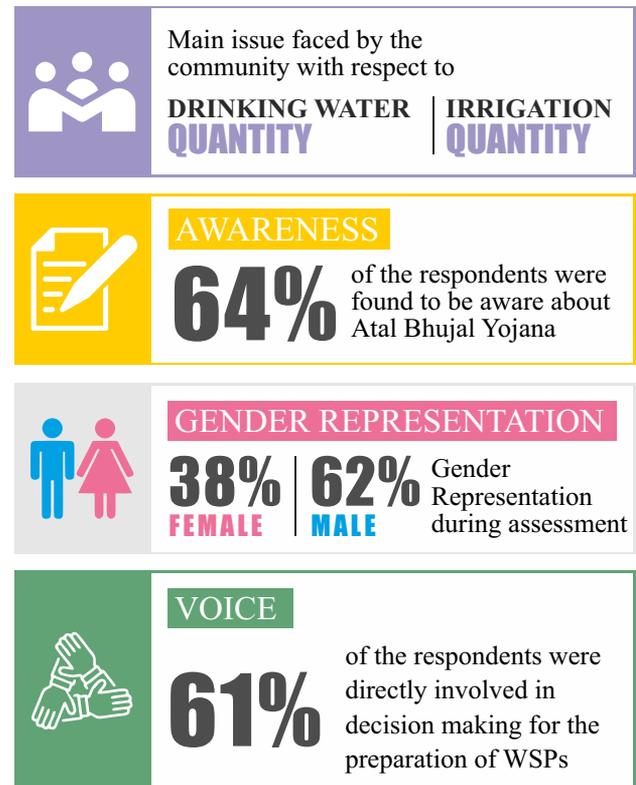
The total occurrences verified in respect of Maharashtra comes out to be 0.

**DLI#2**

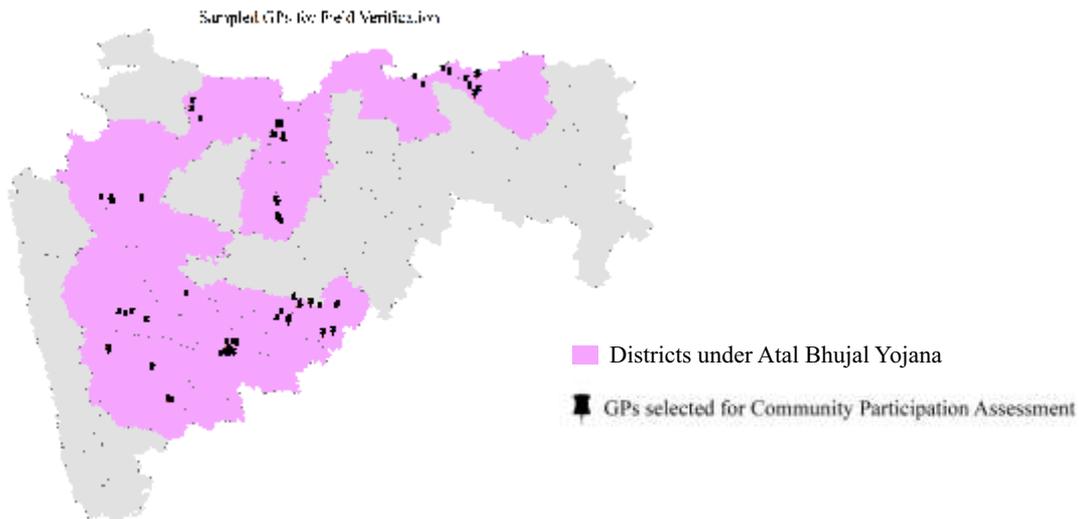
Number of approved Water Security Plans (WSP) submitted by the state was 277. Out of these, 64 WSPs were taken at random for the field assessment by QCI as per the modified verification protocol. Out of these, 53 were found to be ‘Adequate’ for Community Participation Assessment.

Detailed results of the State are mentioned in Annexure III E.

**Field Verification highlights**



The map given below represents the sampled GPs for field verification in the state:





### 4.1.6 Rajasthan

#### DLI#1

In respect of water level, the total number of wells for which data is available as per the verification protocol is 155 and the effective number of observation wells for which public disclosure of data is achieved is 149.

In respect of water quality, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

The total number of blocks for which the Hydrogeological Reports are disclosed is 37 while the total number of blocks that achieved completion of the Hydrogeological Report is 30.

The total occurrences verified in respect of Rajasthan comes out to be 179.

#### DLI#2

Number of approved Water Security Plans (WSP) submitted by the state was 361. Out of these, 75 WSPs were taken at random for the field assessment by QCI as per the modified verification protocol. Out of these, 27 were found to be 'Adequate' for Community Participation Assessment.

Detailed results of the State are mentioned in Annexure IIIF.

#### Field Verification highlights

Main issue faced by the community with respect to

**DRINKING WATER ACCESSIBILITY** | **IRRIGATION ACCESSIBILITY**

**AWARENESS**

**18%** of the respondents were found to be aware about Atal Bhujal Yojana

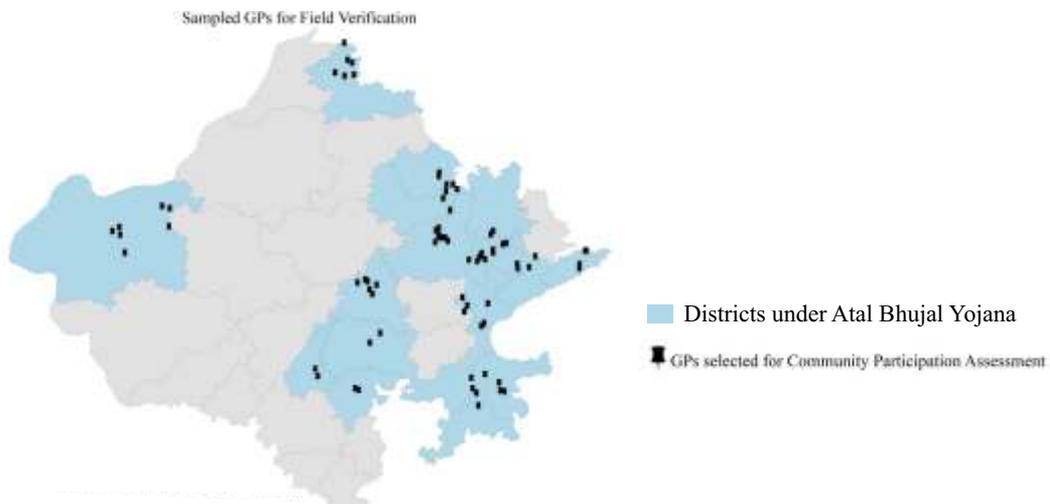
**GENDER REPRESENTATION**

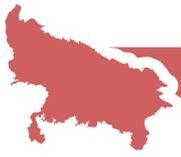
**26% FEMALE** | **74% MALE** Gender Representation During Interviews

**VOICE**

**43%** of the respondents were directly involved in decision making for the preparation of WSPs

The map given below represents the sampled GPs for field verification in the state:





### 4.1.7 Uttar Pradesh

#### DLI#1

In respect of water level, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

In respect of water quality, the total number of wells for which data is available as per the verification protocol is 0 and the effective number of observation wells for which public disclosure of data is achieved is 0.

The total number of blocks for which the Hydrogeological Reports are disclosed is 26 while the total number of blocks that achieved completion of the Hydrogeological Report is 0.

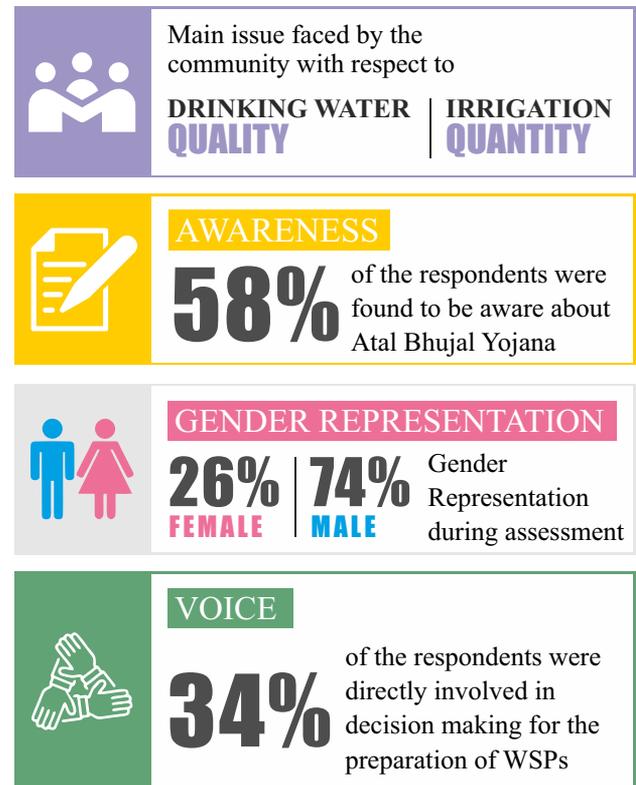
The total occurrences verified in respect of Uttar Pradesh comes out to be 0.

#### DLI#2

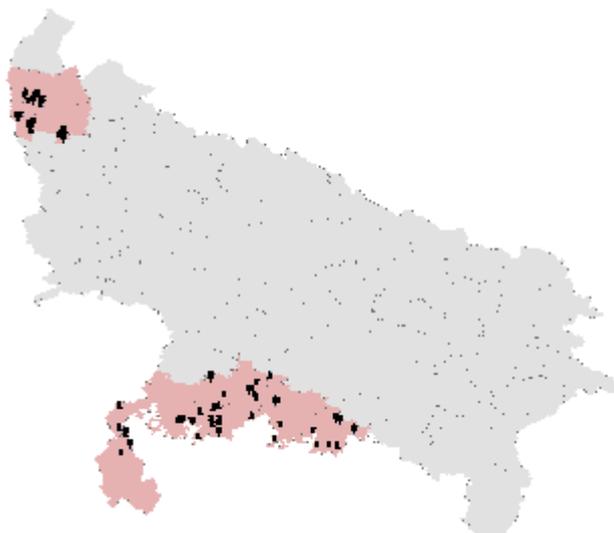
Number of approved Water Security Plans (WSP) submitted by the state was 330. Out of these, 68 WSPs were taken at random for the field assessment by QCI as per the modified verification protocol. Out of these, 38 were found to be 'Adequate' for Community Participation Assessment.

Detailed results of the State are mentioned in Annexure IIIG.

#### Field Verification highlights



The map given below represents the sampled GPs for field verification in the state:



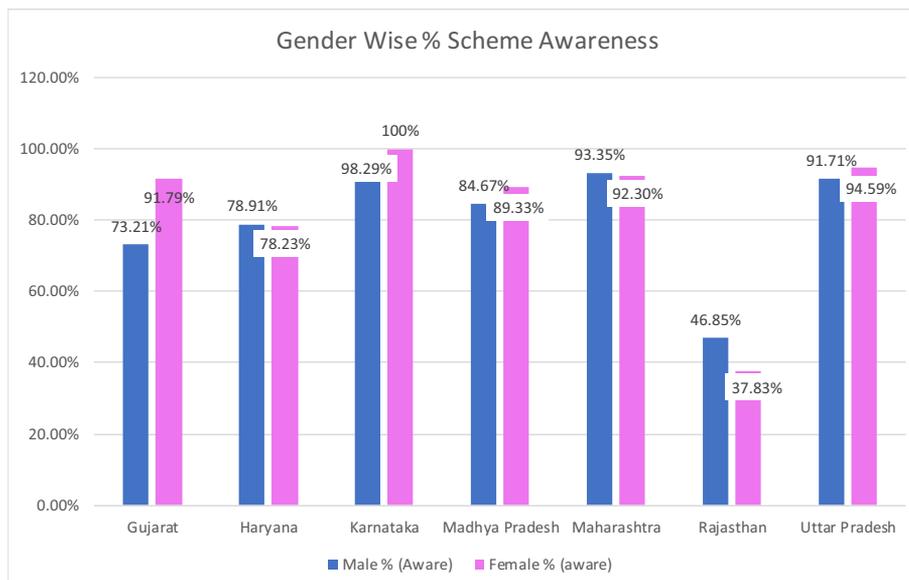
- Districts under Atal Bhujal Yojana
- GPs selected for Community Participation Assessment

## 4.2 Community Participation Highlights (DLI#2)

**Table J: Demographic Observations of Community Participation**

State	Number of Respondents	Number of Female Respondents
Gujarat	1350	256
Haryana	687	170
Karnataka	1429	490
Madhya Pradesh	786	225
Maharashtra	562	212
Rajasthan	710	185
Uttar Pradesh	404	106

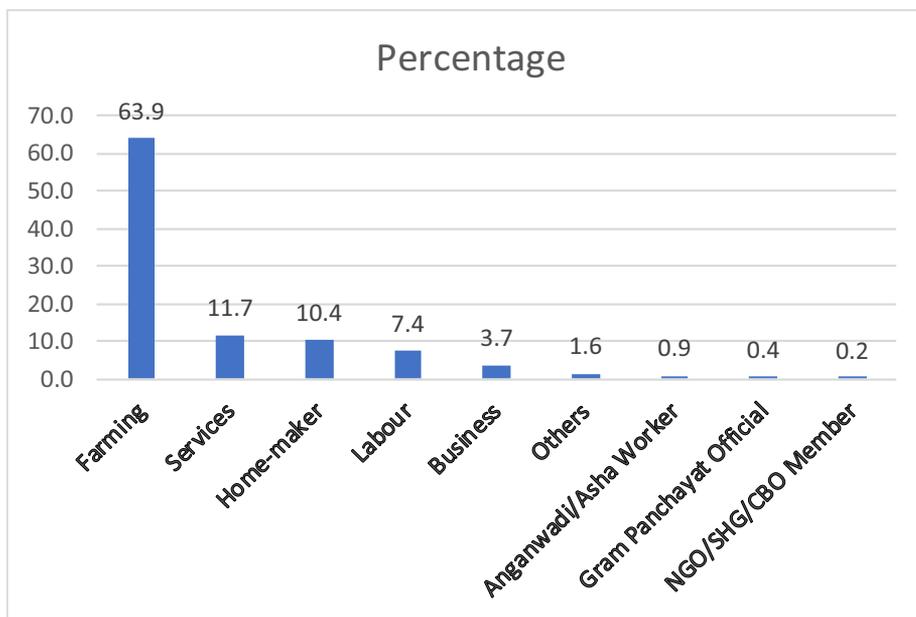
The figure given below shows the % awareness regarding the scheme in male and female respondents across all the states. In the states of Gujarat, Karnataka, Madhya Pradesh and Uttar Pradesh the scheme awareness in female respondents was found to be higher than that in male respondents and it is one of the commendable highlights of this round of verification. Efforts should be made to increase the overall participation of women in the process of preparation of WSPs.



**Figure 5: Gender wise % Scheme Awareness**

The Figure given below shows occupational overview of the respondents interviewed during the field verification community participation. Most of the respondents interviewed were involved in farming, followed by home-makers and services. ('Others' includes students, self employed, unemployed, and retired individuals).

**OCCUPATIONAL OVERVIEW ACROSS STATES**



*Figure 6: Occupational overview of respondents across all states*

### 4.3 Summary of Baseline data and verified indicators after the verification of 2nd round of DLI# 1

**Table K: DLI#1 Baseline data and verified indicators after 2nd Round of Verification**

State	Baseline for Occurrences				Occurrences after 1st round of verification (2020)				Occurrences after 2nd round of verification (2021)				Year on Year Improvement for disbursement of incentives			
	WL	WQ	HGR	Total	WL	WQ	HGR	Total	WL	WQ	HGR	Total	WL	WQ	HGR	Total
	(A)	(B)	(C)	(D)=(A)+(B)+(C)	(A)	(B)	(C)	(D)=(A)+(B)+(C)	(A)	(B)	(C)	(D)=(A)+(B)+(C)	(A)	(B)	(C)	(D)=(A)+(B)+(C)
Gujrat	0	0	0	0	255	26	0	281	255	26	0	281	0	0	0	0
Haryana	0	0	0	0	611	117	0	728	617	117	0	734	6	0	0	6
Karnataka	0	0	0	0	295	123	14	432	295	123	14	432	0	0	0	0
Madhya Pradesh	0	0	0	0	185	33	4	222	193	33	4	230	8	0	0	8
Maharashtra	0	0	0	0	698	64	9	771	698	64	9	771	0	0	0	0
Rajasthan	0	0	0	0	380	403	0	783	529	403	30	962	149	0	30	179
Uttar Pradesh	0	0	0	0	192	26	0	218	192	26	0	218	0	0	0	0
Total	0	0	0	0	2616	792	27	3435	2779	792	57	3628	163	0	30	193

The update of the incentivized OWs has been compiled at the block level. Hence, in order to establish consistency in the data, this report also provides year on year improvement in the data of the OWs.

The table above shows the data provided for DLI#1 for the year 2020 which includes WL, WQ and HGR, resulting in the 3435 successful occurrence. Subsequently, the data for 2021, shows the year on year improvement which includes WL, WQ and HGR, resulting in the additional 193 successful occurrences.

# Conclusion

## 5.1 DLI#1 Verification Results

DLI#1 envisages to incentivise improvements in the collection, processing and dissemination of groundwater related data in the 7 chosen states. The following indicators mentioned in the Verification Protocol were considered in the second round of verification:

- Number of OWs in the program blocks for which water level data is available
- Number of OWs in the program blocks for which water quality data is available
- Number of program blocks for which 'Hydrogeological Reports' with information pertaining to ground water level and water quality monitoring is available
- Number of OWs equipped with functional energy consumption or volumetric ground water uses meters.
- Public disclosure of data by states.

**Table L: State-Wise detailed break-up of DLI#1 indicators viz. Water Level data, Water Quality data and HGR; and the Successful Occurrences for Disbursement of Incentives**

State	Water Level Data			Water Quality Data			HGR			"Energy Consumption or Volumetric Groundwater Usage Meters"	Public Disclosure	No. of Successful Occurrences (C)+(F) + (I)
	No. of OWs as received by QCI	No. of OWs after data cleaning	Effective no. of OWs for disbursement of incentives under DLI#1	No. of OWs as received by QCI	No. of OWs after data cleaning	Effective no. of OWs for disbursement of incentives under DLI#1	No. of Blocks	No. of HGRs disclosed	Effective no. of HGRs for disbursement of incentives under DLI#1	Data Disclosed	Data Disclosed	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
Gujarat	490	490	0	440	440	0	34	0	0	0	0	0
Haryana	631	630	6	240	240	0	36	36	0	0	0	6
Karnataka	900	650	0	Year 2020 Data not submitted			41	41	0	0	0	0
MP	190	190	8	190	190	0	9	9	0	0	0	8
Maharashtra	3610	3610	0	Year 2020 Data not submitted			38	38	0	0	0	0
Rajasthan	725	723	149	674	674	0	38	37	30	0	0	179
UP	394	383	0	No Data submitted			26	26	0	0	0	0
<b>Total</b>	<b>6940</b>	<b>6676</b>	<b>163</b>	<b>1544</b>	<b>1544</b>	<b>0</b>	<b>222</b>	<b>187</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>193</b>

For the second round of DLI#1, a total of 193 Successful Occurrences has been reported, which include 163 under the Water Level, 30 under the Hydrogeological reports, and 0 under the Water Quality, Energy Consumption/Volumetric Ground Water usage meters & Public Disclosure.

## 5.2 DLI#2 Verification Results

**DLI#2** aims to incentivize the roll out of a standardized bottom up approach for groundwater planning process through community-led WSPs at GP level. The verification was carried out by assessing the extent of Community Participation in the preparation of WSPs. Only the GPs found to be 'Adequate' in the parameters of Consultative Approach and Scheme Awareness were considered to have an 'Adequate' level of Community Participation in their preparation.

**Table M: State-Wise results for the 1st round verification of DLI#2**

Name of State	WSPs Received for the GPs	Total GPs Assessed	Sample Result		Overall Result
			No. of GPs with Aggregate Result as 'Adequate'	Percentage of GPs 'Adequate' in Sample	WSPs After Extrapolation
Gujarat	750	152	101	66.45%	498
Haryana	325	72	32	44.44%	144
Karnataka	766	139	131	94.24%	722
Madhya Pradesh	378	81	66	81.48%	308
Maharashtra	277	64	53	82.81%	229
Rajasthan	361	75	27	36.00%	130
Uttar Pradesh	330	68	38	55.88%	184
<b>Total</b>	<b>3187</b>	<b>651</b>	<b>448</b>	<b>68.82%</b>	<b>2215</b>

Out of the received 3187 WSPs, 651 WSPs were sampled for field verification across all the states. A total of 448 WSPs were found to have an 'Adequate' level of community participation in their preparation. upon extrapolating to the total number of the submitted WSPs, a successful occurrence of 2215 WSPs was reported.

**Chapter VI**

**ANNEXURE**

## ANNEXURE I: VERIFICATION PROTOCOL

### ANNEXURE - IA: DLI#1: Verification Protocols for 2nd round of Assessment

#### 1.0 Background:

The 1st round of verification of DLI#1 was carried out by Quality Council of India (QCI) as Third Party Government Verification Agency (TPGVA) in December 2020 for which a comprehensive verification protocol was developed and followed during desktop as well as field verification by QCI.

The final report of the Verification submitted by

QCI was accepted by DoWR, RD & GR, MoJS and the same had been shared with IAs along with the protocol.

The protocol for verification of achievements against DLI#1, as elaborated in the Program Guidelines Ver.1.1 as well as the Program Appraisal Document of the World Bank is as below:

**Table 1: Verification protocol for DLI #1**

<b>Description of DLI#1</b>	A State is verified to have achieved the DLI if the monitoring and disclosure of ground water-related data has improved.
<b>Scalability of Disbursements (Yes/No)</b>	Yes
<b>Data Source/Agency</b>	State and Central (e.g., CGWB) Government records and Data Verification
<b>Verification Entity</b>	TPGVA
<b>Procedure for Verification for DLI#1</b>	
<p>Only the selected states/blocks/GPs will be considered for the DLI. For a given state/block/GP the achievement of the DLI will be measured using two sub-indicators on (a) groundwater monitoring and disclosure of data (b) disclosure of block-wise groundwater reports</p> <p><b>Groundwater monitoring and disclosure of data:</b> This sub-indicator is defined as (i) the number of observation wells for water levels measurement and water quality sampling locations for which water quality and quantity data are available and disclosed; and (ii) the number of wells equipped with functional meters for energy consumption or volumetric groundwater usage.</p> <p><b>Public availability of groundwater reports:</b> This sub-indicator is defined as the number of block-level groundwater quality and quantity monitoring reports made publicly available online.</p> <p>A state/Block/GP can qualify for this DLI in multiple years.</p>	

- For the 1st round of verification of DLI#1, a verification protocol was developed and shared with IAs, which also forms part of the final report of the first verification of DLI#1 including year-on-year improvements on indicators verified in the 1st round as well as other indicators viz. installation of Water/Energy Meters, Accreditation of Water Quality labs and Public Disclosure of data.
- This has necessitated the formulation of a separate protocol for the 2nd round of verification as discussed below. However, this protocol shall be read in continuation of the protocol developed for 1st round of verification of DLI#1.

## 2.0 Protocols for Verification towards DLI#1 (2nd Round):

- 2.1** SPMU shall upload the data in respect of all the sub-indicators of DLI#1 on 'DLI Verification module' of Atal Jal MIS in prescribed formats by 30th September 2021, as directed by NPMU, DoWR, MoJS.
- 2.2** The achievement of DLI #1 shall be verified with respect to year-on-year increase in the following sub-indicators:
- No. of observation wells in the program blocks for which water level data, monitored using a functional measuring device is available.
  - No. of observation wells in the program blocks for which water quality data is available.
  - No. of State-level accredited groundwater quality labs (non-disbursing).
  - No. of wells equipped with functional meters for measuring energy consumption or volumetric groundwater usage.
  - No. of program blocks for which 'Hydrogeological Reports' with information pertaining to groundwater level and water quality monitoring is available.

**For the 2nd round of verification for achievement of DLI#1, the criteria of disbursements with respect to each sub-indicator is as follows:**

- i. Water Level (Format is provided on page no. 48)**

**Qualifying Criteria for the State(s) for 2nd round of DLI-1 Verification:**

Updation of water level data for pre and post-monsoon period of 2020 for at least 90% of observation wells disclosed on the MIS after the 1st round of verification shall be mandatory.

- The observation wells which were shared by the State(s) for the 1st round of verification but were not disclosed on the MIS as they did not meet the criteria would be eligible for disbursements after their data is reconciled.
- Existing observation wells with historical data from 2015 which were not shared by the State(s) for the 1st round of verification, can be submitted and will be eligible for incentives during the second round.
- New observation wells established after the 1st round of verification can also be disclosed for verification in the 2nd round along with both pre and post-monsoon data of 2020.

\*\* To be eligible under (i) and (ii), observations wells should have a minimum of 8 data points (pre-and post-monsoon) for the period 2015-2019 and two data points (pre-and post-monsoon) for the year 2020.

- ii. Water Quality (Format is provided on page no. 49)**

**Qualifying Criteria for the State(s) for 2nd round of DLI#1 Verification:**

Updation of water quality data of 2020 for at least 90% of observation wells disclosed on the MIS after the 1st round of verification shall be mandatory.

- The observation wells which were shared by the State(s) for the 1st round of verification but

were not disclosed on the MIS as they did not meet the criteria would be eligible for disbursements after their data is reconciled.

- (b) Existing observation wells with historical data from 2015 which were not shared by the State(s) for the 1st round of verification can be submitted and thereafter will be eligible for incentives during the 2nd round.
- (c) New Observation wells established after 1st round of verification can also be disclosed for verification in the second round with data of pH, EC / TDS, Ca, Mg, Na, K, CO<sub>3</sub>, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub> and F for the year 2020.

\*\* To be eligible under (i) and (ii), the observation wells should have at least 3 years data (EC/TDS together with at least 3 major cations/anions out of- Ca, CO<sub>3</sub>, Mg, Na, K, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub>, F) for the period 2015 to 2019 and data inputs of pH, EC / TDS, Ca, Mg, Na, K, CO<sub>3</sub>, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub> and F for the year 2020.

### iii. Water Quality Labs (Format is provided on page no. 50)

The number of Water Quality labs accredited and equipped with modern groundwater quality

monitoring systems shall be recorded. The accreditation of National Accreditation Board for Testing & Calibration Laboratory (NABL) shall be validated through accreditation reports by NABL.

### iv. Wells with functional energy/water meter (Format is provided on page no. 51)

As far as wells fitted with functional energy/water meters are concerned, eligibility is based on the number of such wells identified. Availability of proof of the existence of the meter(s) in the form of geotagged photographs shall be necessary for them to qualify for disbursement. In the case of wells with energy meters, proof in the form of electricity bills for the last 6 months shall be mandatory. In case of water meters, records of registers where the data is being recorded shall be collected as proof.

### v. Hydrogeological Reports

For the reports that are disclosed, computation of incentives shall be done based on the following categorization:

**Table 2: Year-on-year categorization for public disclosure of reports**

S. No.	Sub-indicator of disbursement	Categorization based on wells qualified in the previous rounds of verification	Nature of component
1	No. of program blocks for which 'Hydrogeological Reports' with information pertaining to ground water level and water quality monitoring is available	Block-level reports qualified during the previous round of verification and are updated	Mandatory and non-disbursing
		New Block-level reports that are disclosed	Qualified for Incentive based on the number of new reports disclosed

**For the purpose of the 2nd round of verification, the criteria for disbursements with respect to this sub-indicator is as follows:**

a. Adherence to the template shared with the states shall be the basis for verification of block-wise Hydrogeological Reports with water level and water quality monitoring information. Each report submitted by the states shall be evaluated for i) completeness of basic information, ii) availability of 6 maps (Location map, Hydrogeological map, location of observation wells for monitoring water levels and water quality, pre-and post-monsoon water level maps, map) showing distribution of Specific Electrical Conductance. The map showing cross-section of sub surface regionalised aquifer groups is optional and may be included if available and iii) availability of 3 Tables (Basic data of WL/WQ observation wells, ground water level data (2015-2020) and ground water quality data (2015-2020)). It may be ensured that the water level and water quality

data in the Hydrogeological reports should be consistent with the data uploaded by the States in the MIS of Atal Jal.

b. The Hydrogeological Reports already disclosed during the 1st round of verification are to be updated with water level and quality data for the year 2020 and uploaded on the MIS.

**2.3** The data/reports which have been disclosed against DLI#1 and also verified by QCI in the 1st round is available in the Atal Jal portal ('Data Disclosure' tab) and can be accessed/downloaded freely. For the benefit of the community, the data needs to be made public through various means such as placing on state web portals, putting notice boards with data at appropriate places including Panchayat office, posters, banners, printed booklets, pamphlets/leaflets, holding public meetings as well as using social media platforms.

**Table 3: Acceptable modes of public disclosure under DLI#1**

S. No.	Mode of Public Disclosure	Details	Frequency of Disclosure	Verification Methodology
<b>Disbursing Indicators</b>				
1	Online Disclosure	<ul style="list-style-type: none"> <li>Atal Jal portal</li> <li>Web portals of states</li> </ul>	Semi-annual	Checking the disclosure semi-annually
2	Fixed Displays	<ul style="list-style-type: none"> <li>Gram Panchayat office notice boards</li> <li>Posters/Flexes</li> <li>Boards near observation wells on Water Levels and Water Quality. Boards to also indicate if water is potable or not.</li> </ul>	Semi-annual	Geotagged images
3	Print	<ul style="list-style-type: none"> <li>Pamphlets/Leaflets</li> </ul>	Semi-annual	Images of pamphlets / leaflets

S. No.	Mode of Public Disclosure	Details	Frequency of Disclosure	Verification Methodology
<b>Non-Disbursing Indicators</b>				
4	Social Media	<ul style="list-style-type: none"> <li>• Creating GP specific channels on Facebook</li> <li>• Channels on WhatsApp</li> </ul>		
5	Public Meetings	<ul style="list-style-type: none"> <li>• Gram Sabha meetings</li> </ul>		Social Listening of 15 individuals from GPs selected at random



Template For Uploading Water Quality Data

<b>WATER QUALITY DATA</b>	Nitrate (mg/l)					
	Fluoride (mg/l)					
	Chloride (mg/l)					
	Sulphate (mg/l)					
	Bicarbonate (mg/l)					
	Carbonate (mg/l)					
	Potassium (mg/l)					
	Sodium (mg/l)					
	Magnesium (mg/l)					
	Calcium (mg/l)					
	Total Hardness (mg/l)					
	TDS (mg/l)					
	EC (uS/cm)					
	pH					
	Year					
	Aquifer formation					
	Well Depth (m bgl)					
	Longitude					
	Latitude					
	Well ID					
	Source					
	Type of well					
	Site Name					
	Village					
GP						
Block						
District						
State						

**Template For Uploading Water Quality Testing Laboratories**

<b>WATER TESTING LAB</b>									
State	Name of Accredited Water Testing Lab	Laboratory ID	Certificate No.	Lab Address	Ownership (CGWB/SGWD/Private/Other)	Name of the Accreditation Body	Date of Accreditation (dd/mm/yyyy)	Accreditation Valid up to (dd/mm/yyyy)	No. of samples analyzed annually

**Template For Uploading Data in Respect of Water / Energy Meters**

**OBSERVATION WELL WITH ENERGY / WATER METER**

Please note : All the photographs uploaded should have a unique ID with respect to Meter/Owner's name

State	District	Block	GP	Village	Name of the Owner of the Well	Type of well {Energy Consumption Meter (energy meter) / Volumetric Groundwater usage meter (water meter)}	Latitude	Longitude	Type of Meter Installed {Energy Consumption Meter (energy meter) / Volumetric Groundwater usage meter (water meter)}	Energy Meter Geotagged Photograph	Date of Installation (DD/MM/YYYY)	Photograph of Energy Consumption Meter (energy meter) Bill / Photograph of Volumetric Groundwater usage meter (water meter) Bill Reading (Photograph 1)	Photograph of Energy Consumption Meter (energy meter) Bill / Photograph of Volumetric Groundwater usage meter (water meter) Bill Reading (Photograph 2)

## VERIFICATION PROTOCOL

### ANNEXURE - IB: DLI #2: Protocols for 1st Round of Verification

#### 1.0 Background:

The broad framework of DLI#2 protocol has been developed based on the Atal Bhujal Yojana Program Guidelines, Ver- 1.1 of the DoWR, RD & GR, Ministry of Jal Shakti and Project Appraisal Document (PAD) of the World Bank. A comprehensive table related to DLI

Verification Protocols is included in the Program Guidelines as Annexure-1b; the same has been suitably modified and reproduced below in Table 4 which elaborates the procedure of verification of DLI#2.

**Table 4: DLI #2 Verification Protocol**

DLI#2	Preparation of Community-led Water Security Plans
Definition	A GP in a selected block is verified to have achieved the DLI when it has completed its WSP, including Water Budget, in a participatory manner
Scalability of Disbursements	Yes
Data Source/Agency	(a) Approved Water Budget (GP), (b) Approved Water Security Plan (GP), and (c) Record of Community Participation (GP)
Verification Entity	TPGVA

#### Procedure of Verification

For a given GP, the DLI#2 is considered to be achieved upon completion of all of the following three criteria:

**Water Budgets:** Completion is considered successful when a Water Budget using the template in the MIS has been completed for the GP and approved by Water and Sanitation Committee (WSC) / PGWM Committee / WUA / CBOs / WMC / any other committee.

**WSPs:** WSP completion and its approval is considered successful when following steps are completed.

- a. Approval of the Water Budget / WSP is taken by passing a Resolution (mentioned on page-58) as per the prescribed format signed by at least 3/4th of the members of the Water and Sanitation Committee (WSC) / PGWM Committee meeting in which other community representatives from WUA / CBOs / WMC / SHG are also present and countersigned by Gram Panchayat Secretary.
- b. Vetting of WSP by DPMU is completed by inserting a 'Declaration' (mentioned on page-57) in the prescribed format. After insertion of declaration, DPMU to share the

approved WSP with SPMU, NPMU and for uploading in MIS.

**Community Participation:** Completion is considered successful when records of at least one community-level meetings are verified as adequate based on attendance sheet (mentioned on page-59) of the Minutes of the Meeting (MoM) [*MoM should also include 3/4th members present in Resolution template of Water and Sanitation Committee (WSC) / PGWM Committee / WUA / CBOs involved in making / approval of Water Security Plans*] which has been deliberated and finalized (where participants include at least 20% of women members). The TPGVA shall validate the above through interviews of select participants involved in water budgeting and preparation of WSPs.

Steps to be followed for preparation of community led WSP and approvals is provided in detail on (mentioned on page-56).

## 2. Proposed Verification Protocol

As part of the protocol, it is proposed that the achievement by a State against DLI#2 shall be verified with respect to year-on-year increase in the following sub-indicators:

1. No. of Water Budgets completed by GPs and approved by WSC/PGWM committee /WUA /WMC/CBOs as per laid down procedure.
2. No. of Water Security Plans completed, approved as per laid down procedure and signed by 3/4th of the members of Water and Sanitation Committee (WSC) / PGWM Committee / WUA / CBOs in the Resolution as per the prescribed template.
3. No. of GPs with at least one Community-level meeting conducted with Minutes of Meeting including at-least 3/4th members present in Resolution template of Water and Sanitation Committee (WSC) / PGWM Committee / WUA / CBOs towards making / approval of Water Security Plans.

The base line for the first year (2020-21) shall be zero (0).

**The verification shall be undertaken in two steps; Step one is Desktop verification followed by Ground / Field verification.**

### Step - I: Desktop Verification

**All WSPs received shall be evaluated for the following filters based on desktop assessment, to assess their eligibility for the next step:**

- a. At least one Community-level meeting (s) conducted to prepare WSP (s); the MoM should be uploaded on the MIS (Format for MoM is available on MIS). MoM should include at least 3/4th members of the Water and Sanitation Committee (WSC) / PGWM Committee / WUA/ CBOs / WMC / SHG in the Resolution as per the prescribed template.
- b. WSPs completed as per the template on MIS and Resolution attached as part of approval by WSC/WMC/CBO/PGWM.
- c. WSP Declaration form to be mandatorily filled and attached by DPMU with the WSP submitted on the MIS.

The criteria for qualification for disbursement of incentives in respect of various sub-indicators under DLI#2 is given below:

**2.1. Towards sub-indicator (1) of DLI#2,** Water Budgets prepared by the GPs shall be evaluated based on the template available on MIS to ascertain the completeness of the following information:

- Gram Panchayat information
- Water Availability information related to the quantum of rainfall, groundwater available, surface water available.
- Water Utilization information related to estimates of water used for drinking/domestic purposes, irrigation, industrial and other purposes.
- Water Balance based on water availability and

water utilization.

- The format indicating the Source data is uploaded in the MIS.

**2.2. Towards sub-indicator (2) of DLI#2,** Water Security Plans (WSPs) approved by the designated committee shall be evaluated based on the template available on MIS to capture the following information:

- Signature of at least 3/4th of the members of PGWM/Water and Sanitation Committee/ WUA/CBOs/any other committees; as part of the Resolution.
- Number and Type of Demand/Supply side interventions planned to be implemented through convergence.

The Program Guidelines (section 2.6) outlines an indicative set of typical demand and supply-side interventions under Atal Bhujal Yojana.

**2.3. Towards sub-indicator (3) of DLI#2,** for the WSPs prepared by the GPs, community participation is evaluated based on:

- Formation and/or strengthening of existing committees – 20% of women. Also, representation of vulnerable groups, if any.
- No. of community-level meetings conducted to discuss WSPs – 20% of women and vulnerable attendees.

### **Step - II: Ground Verification / Field Verification**

Following the desktop verification, annual survey / verification shall be carried out by the TPGVA in a systematic manner to verify some of the facts pertaining to data source used in preparation of WSP and involvement of community including women in decision making.

1. Records maintained at DPMU / Gram Panchayat office as well as by the DIPs in respect of various data used in estimation of water availability, utilization and arriving at WSP.
2. The meeting (s) for the deliberation and finalization of WSP for which MoM is submitted on MIS, shall be attended preferably by at least one member from all the Gram Sabhas of the GP.
3. Interviews / physical meetings with some of the committee members involved in preparation of WSP / officials of line department/ citizens/ villagers / stakeholders on random basis to establish ownership as well as extent of awareness about the program.
4. Interviews with selected participants of which at least 25% shall be women.
5. Records of the Gram Sabha / Consultation Meetings held in connection with Atal Bhujal Yojana.
6. Financials as per the approximated cost with a certificate that the rates are as per prevailing SoR.
7. Records pertaining to awareness creation at the Gram Panchayat: such as documentary proof/ photographs of Nukkad Nataks (Street Plays), audio-visual clips, wall-writing, rallies, display boards, pamphlets and other mediums of communication.
8. Apart from the disbursement linked indicators, a set of non-disbursing indicators are also to be verified:
  - i. The number of WUAs having representation of women and vulnerable groups.
  - ii. Section of people likely to be benefitted.

## ANNEXURE - IC: DLI #2: Modified Protocols for 1st Round of Verification

Based on QCI's on field observations and suggestions, and the inputs given by the States, the NPMU and the M/o of Jal Shakti devised a new set of protocols to carry out the verification

of 1st round of DLI#2. Certain criteria of the protocols mentioned in Annexure - IB were changed as per the table given below:

### Modified Criteria for 1st round of verification of DLI#2

S. No	Filters / Criteria as per Protocol	Original Criteria	Modified Criteria
1.	Declaration	Declaration in proper format should be submitted	As per revised format finalized by NPMU.
2.	Resolution	Presence in proper format Mandatory signature of 75% of members	As per revised format finalized by NPMU.
3.	MoM	75% signatures in Resolution should match with MoM	Relaxed.
		Content & Date	The content of MOM should at least mention approval of WSP.
4.	Completeness of Water Budget	22 filled parameters mandatory	Filter removed, to be flagged only.
5.	Correctness of parameters	8 parameters should be supported by documents	Filter removed, to be flagged only.
6.	20% Women participation in VWSC committee	Mandatory	Filter removed, to be flagged only.

### STEPS - WSP Preparation and Approval

S. NO.	STEPS TO BE FOLLOWED	LEVEL
1	Compilation of draft Water Budget / WSP by DIP in consultation with WSC/WMC/PGWM committee adequately represented by Gram Sabha's and other village level committee members	DIP / Gram Panchayat
2	Submission of draft WSP to GP & DPMU for vetting	Gram Panchayat / DPMU
3	GP & DPMU to review the draft WSP and suggest changes (if any)	Gram Panchayat / DPMU
4	DIP-WMC/PGWM to incorporate the suggested changes and Finalization of Water Budget / WSP through consultative process and approval by the WSC/WMC/PGWM by passing a Resolution in prescribed format (Annexure – I)	Committee/ Gram Panchayat
5	Approved WSP along with acknowledgement through Gram Panchayat Resolution, to be sent to DPMU	Committee / Gram Panchayat
6	Acceptance and vetting of WSP by DPMU through inserting / attaching a Declaration in the prescribed format (Annexure – II)	DPMU
7	Approved WSP to be uploaded on MIS by DPMU and shared with GP, SPMU & NPMU	DPMU
8	Consolidation of all the WSPs of the district and submission to District Development Authority / Zila Parishad through Head DPMU for fund allocation through Convergence	DPMU
9	Consolidation of all the district wise WSPs of the state and submission to SISC for prioritization of interventions at the level of state and budgetary allocations	SPMU/PIA/SISC

## VERIFICATION SATISFACTION DECLARATION

### DECLARATION TEMPLATE

#### DPMU DECLARATION

I, \_\_\_\_\_ (Name), \_\_\_\_\_ (Designation), authorized representative under District Program Management Unit (DPMU) declare that the Water Security Plan (WSP) submitted for the \_\_\_\_\_ (Gram Panchayat), \_\_\_\_\_ (Block/Taluk), \_\_\_\_\_ (District) is complete in all respect.

It is hereby confirmed that the Minutes of community-level Meeting and Resolution attached are in order and signed by authorized signatories.

**Seal and Signature of authorized DPMU Official:**

**Date:**

## Resolution Template

### RESOLUTION

Date: \_\_\_\_\_

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of \_\_\_\_\_  
(Gram Panchayat), \_\_\_\_\_ (Block/Taluk/Mandal), \_\_\_\_\_ (District),  
\_\_\_\_\_ (State) is complete in all respect and has been prepared through consultative process  
including the members of Village Water and Sanitation Committee (VWSC) /equivalent Committee  
and was approved in the meeting held on \_\_\_/\_\_\_/\_\_\_.

S. No.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting		
2	Gram Panchayat Secretary		



## ANNEXURE II: PILOT STUDY

### GUJARAT



**MAHARASHTRA**



## UTTAR PRADESH



## ANNEXURE III: STATE-WISE RESULTS

### ANNEXURE – III A: GUJARAT

#### Extent of Atal Jal in Gujarat

Details of area under Atal Jal	Number
Districts	7
Blocks	34
Gram Panchayats	2201

Table 5: Details of area of implementation of Atal Jal Yojana in Gujarat

**Implementing Agency:** Water Resources Department, Gujarat

**Agencies sharing data:** CGWB, Gujarat Water Resources Development Corporation

#### Methodology of Water Level Data Collection and Compilation in Gujarat

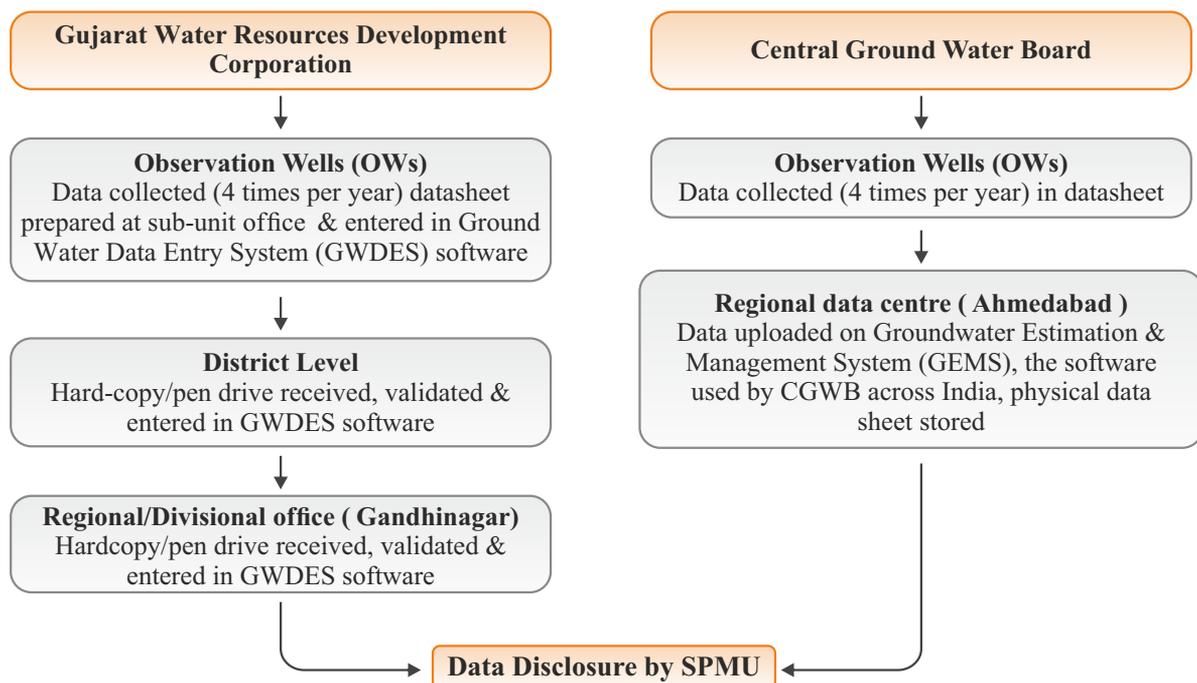


Figure 1: Water Level Data Flow in Gujarat Water Resources Development Corporation and CGWB, Gujarat

## Water Level Data Verification in Gujarat

### Successful Occurrence for 2021

### GUJARAT

ANALYSIS	Total Number of OWs
Number of wells as per MIS	490
Number of wells for which data is inspected by QCI	490
Number of wells qualified as per verification protocol	0
Number of wells for which original records are to be verified	0
Data points to be verified (With Longitude and Latitude)	0
Actual Data Points to be Verified (Based on Sample)	0
Data Points verified through Digital Source (i)	0
Data Points verified through Physical Source (ii)	0
Total Number of Discrepancies (Digital Source)	0
Total Number of Discrepancies (Physical Source)	0
Actual Data Points Verified (i+ii)	0
Total number of discrepancies observed in water level data as a percentage of total data points verified	0.00%
Overall percentage of discrepancies in WL data	0.00%
Overall percentage of accuracy in WL data	0.00%
<b>Successful Occurrences</b>	<b>0.00</b>

### Methodology of Water Quality Data Collection and Compilation in Gujarat

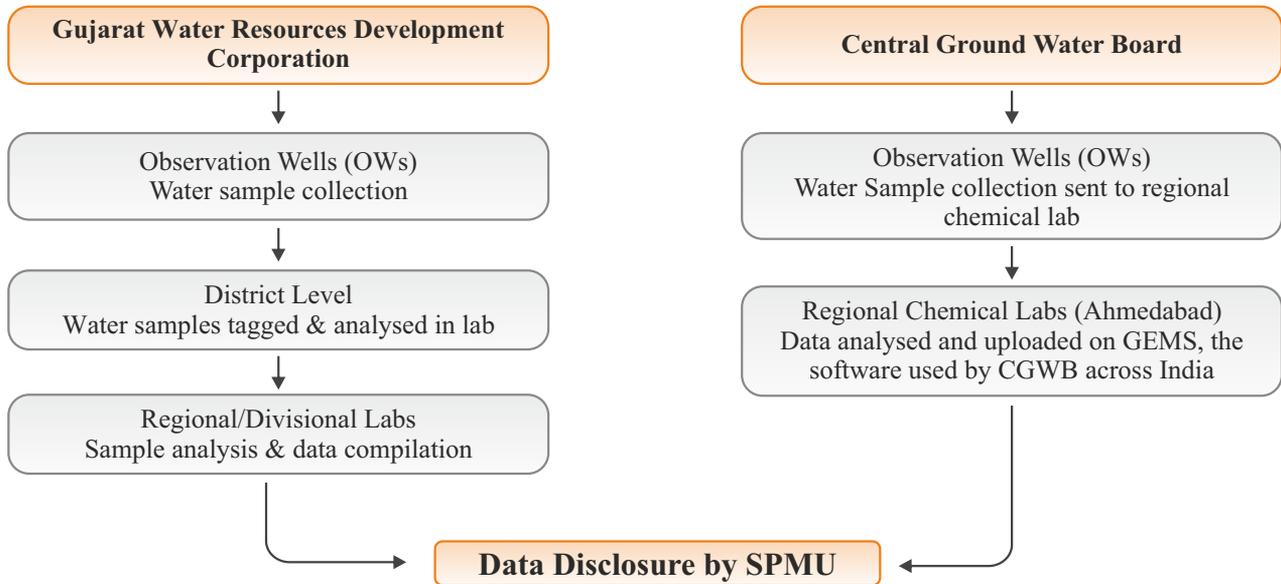


Figure 2: Water Quality Data Flow in GWRDC and CGWB, Gujarat

### Water Quality Data Verification in Gujarat

Successful Occurrence for 2021		GUJARAT
ANALYSIS		Total Number of OWs
Number of wells as per MIS		440
Number of wells for which data is inspected by QCI		440
Number of wells qualified as per verification protocol		0

## Hydrogeological Reports Assessment

CATEGORIZATION	GUJARAT
<b>Update Categorization</b>	
Number of blocks for which Hydrogeological reports are "Complete" in 2019	0
Number of blocks for which Hydrogeological reports are "Updated" in 2020	0
Number of blocks for which Hydrogeological reports are "Not Updated" in 2020	0
<b>Successful Occurrence Categorization</b>	
Total Number of Hydrogeological reports disclosed	0
Number of blocks for which Hydrogeological reports are "Complete"	0
Number of blocks for which Hydrogeological reports are "Incomplete"	0

## Report Card - DLI#1 2nd Round of Verification in Gujarat

<b>Water Level (A)</b>	Total number of wells for which data is available as per verification protocol (at least 8 data points of pre-monsoon and post-monsoon data between 2015-19, and 2 data points of pre-monsoon and post-monsoon data for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> = $\{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Water Quality (B)</b>	Total number of wells for which data is available as per verification protocol (at least 3 year data for at least 3 ions + EC/TDS for 3 years is available between 2015-2019 and data points of pH, EC/TDS and 10 ions for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> = $\{100 - (\text{Percentage of discrepancies in water quality data})\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Hydrogeological Reports (C)</b>	Total number of blocks for which Hydrogeological report is disclosed = 0
	<b>Total number of blocks that achieved completion of Hydrogeological report = 0</b>
<b>Successful Occurrences (A+B+C)</b>	<b>0</b>

*NA: The particular parameter did not meet the qualifying criteria of verification protocol*

**Report Card – DLI#2 1st Round of Verification in Gujarat**

WATER SECURITY PLAN	GUJARAT
<b>Total no. of WSPs Submitted</b>	<b>750</b>
<b>WSPs sampled for field verification</b>	<b>152</b>
<b>WSPs found ‘Adequate’ for Community Participation assessment</b>	<b>101</b>

**GP wise results for Community Participation Assessment**

S No.	Gram Panchayat	Block	District	No. of Respondents	SAR	CAR	GP Aggregate Result
1	Asjol	Bechraji	Mehsana	10	A	NI	Needs Improvement
2	Adraj Moti	Gandhinagar	Gandhinagar	10	A	A	Adequate
3	Akbal	Bechraji	Mehsana	10	A	A	Adequate
4	Anandsar	Bhuj	Kachchh	10	A	NI	Needs Improvement
5	Badipur	Patan	Patan	10	A	A	Adequate
6	Baladiya	Bhuj	Kachchh	5	A	A	Adequate
7	Balisana	Patan	Patan	7	A	A	Adequate
8	Balol	Mehsana	Mehsana	5	A	A	Adequate
9	Bamanva	Vijapur	Mehsana	10	A	A	Adequate
10	Bamosana	Mehsana	Mehsana	10	A	A	Adequate
11	Basana	Visnagar	Mehsana	10	A	NI	Needs Improvement
12	Bedasma	Satlasana	Mehsana	8	A	A	Adequate
13	Bhadrada	Patan	Patan	15	A	A	Adequate
14	Bhakadiya	Mehsana	Mehsana	10	A	NI	Needs Improvement
15	Bhalu Nani	Satlasana	Mehsana	10	A	A	Adequate
16	Bharod	Vadgam	Banaskantha	10	NI	NI	Needs Improvement

17	Bhavisana	Palanpur	Banaskantha	5	A	NI	Needs Improvement
18	Biliya	Vijapur	Mehsana	10	A	A	Adequate
19	Bilodara	Mansa	Gandhinagar	11	A	NI	Needs Improvement
20	Boriavi	Mehsana	Mehsana	10	A	NI	Needs Improvement
21	Chandansar	Sidhpur	Patan	10	A	A	Adequate
22	Chandiya	Anjar	Kachchh	6	A	A	Adequate
23	Charadu	Mehsana	Mehsana	10	A	A	Adequate
24	Chekhla	Palanpur	Banaskantha	6	NI	NI	Needs Improvement
25	Chhathiyarda	Mehsana	Mehsana	10	A	NI	Needs Improvement
26	Chitrodipura(Mehsana)	Mehsana	Mehsana	5	A	A	Adequate
27	Chitrodipura(Visnagar)	Visnagar	Mehsana	8	A	A	Adequate
28	Dalpur	Prantij	Sabarkantha	10	A	A	Adequate
29	Dedana	Bechraji	Mehsana	10	A	A	Adequate
30	Delvada	Kheralu	Mehsana	8	A	A	Adequate
31	Dharapur	Idar	Sabarkantha	10	A	A	Adequate
32	Dharpuri	Chanasma	Patan	10	A	A	Adequate
33	Dhelana	Palanpur	Banaskantha	3	A	A	Adequate
34	Dhendhu	Kalol	Gandhinagar	5	NI	NI	Needs Improvement
35	Ditasan	Mehsana	Mehsana	9	A	A	Adequate
36	Divanpura	Mehsana	Mehsana	7	A	A	Adequate
37	Edrana	Vadgam	Banaskantha	15	A	A	Adequate
38	Faradi	Mandvi	Kachchh	8	A	NI	Needs Improvement
39	Fatehpura	Mansa	Gandhinagar	12	A	A	Adequate
40	Fatepur (Palanpur)	Palanpur	Banaskantha	10	A	A	Adequate
41	Fatepura	Deesa	Banaskantha	9	A	A	Adequate

42	Gajipur	Vadali	Sabarkantha	10	A	A	Adequate
43	Galthara	Mansa	Gandhinagar	5	A	A	Adequate
44	Ganeshpura	Vijapur	Mehsana	10	A	A	Adequate
45	Ganeshpura(Baldeogarh)	Sidhpur	Patan	10	A	A	Adequate
46	Ganeshpura(Bechraji)	Bechraji	Mehsana	10	A	A	Adequate
47	Ghadi	Prantij	Sabarkantha	10	A	A	Adequate
48	Gola	Palanpur	Banaskantha	10	NI	NI	Needs Improvement
49	Gundiya	Mandvi	Kachchh	10	A	NI	Needs Improvement
50	Gunma	Mansa	Gandhinagar	10	A	A	Adequate
51	Hadmatiya	Prantij	Sabarkantha	10	A	A	Adequate
52	Hadol	Satlasana	Mehsana	4	A	A	Adequate
53	Hardesan	Mehsana	Mehsana	5	A	A	Adequate
54	Hathidra	Palanpur	Banaskantha	2	A	A	Adequate
55	Hisor	Sidhpur	Patan	10	A	NI	Needs Improvement
56	Ilampur	Patan	Patan	8	A	A	Adequate
57	Indrapura	Mansa	Gandhinagar	9	A	NI	Needs Improvement
58	Iqbalgadh	Vadgam	Banaskantha	15	A	A	Adequate
59	Jadiya	Lakhani	Banaskantha	6	A	A	Adequate
60	Jagapura	Vadnagar	Mehsana	10	A	NI	Needs Improvement
61	Jamnapur	Mehsana	Mehsana	10	A	A	Adequate
62	Jaspuriya	Palanpur	Banaskantha	5	A	NI	Needs Improvement
63	Jetalpur	Mehsana	Mehsana	5	A	A	Adequate
64	Kamalbandh Vasna	Dehgam	Gandhinagar	10	A	NI	Needs Improvement
65	Kamalpur (Vad)	Vadnagar	Mehsana	10	A	A	Adequate
66	Kanediya	Satlasana	Mehsana	5	A	A	Adequate

67	Kanpur	Idar	Sabarkantha	10	A	A	Adequate
68	Karashanpura	Vadnagar	Mehsana	10	A	A	Adequate
69	Karshanpura	Vadgam	Banaskantha	15	A	A	Adequate
70	Kasalpura	Jotana	Mehsana	10	A	A	Adequate
71	Kasari	Deesa	Banaskantha	10	A	NI	Needs Improvement
72	Kesimpa	Vadnagar	Mehsana	8	A	NI	Needs Improvement
73	Khanpur	Vadnagar	Mehsana	10	NI	NI	Needs Improvement
74	Kiyadar	Visnagar	Mehsana	13	A	A	Adequate
75	Kot	Sidhpur	Patan	11	A	A	Adequate
76	Kotda (Bhakhar)	Palanpur	Banaskantha	10	A	NI	Needs Improvement
77	Kukas	Mehsana	Mehsana	10	A	A	Adequate
78	Lalpur	Sidhpur	Patan	5	A	NI	Needs Improvement
79	Lavarpur	Gandhinagar	Gandhinagar	9	A	NI	Needs Improvement
80	Laxmipura	Visnagar	Mehsana	12	A	A	Adequate
81	Limbadi	Kheralu	Mehsana	9	A	A	Adequate
82	Lindii	Unjha	Mehsana	6	NI	NI	Needs Improvement
83	Malpuriya	Palanpur	Banaskantha	10	NI	NI	Needs Improvement
84	Mandotri	Patan	Patan	10	A	A	Adequate
85	Manud	Patan	Patan	10	A	A	Adequate
86	Matrasan	Bechraji	Mehsana	10	A	NI	Needs Improvement
87	Mauchha	Prantij	Sabarkantha	10	A	A	Adequate
88	Merwada (Ratanpur)	Palanpur	Banaskantha	6	A	NI	Needs Improvement
89	Methan	Sidhpur	Patan	6	A	A	Adequate
90	Mithana Muvada	Dehgam	Gandhinagar	8	A	NI	Needs Improvement
91	Molipur	Vadnagar	Mehsana	10	A	A	Adequate
92	Mota	Palanpur	Banaskantha	10	NI	NI	Needs Improvement

93	Mudeti	Idar	Sabarkantha	10	A	A	Adequate
94	Nagana	Vadgam	Banaskantha	15	A	A	Adequate
95	Nagiyari	Bhuj	Kachchh	4	A	NI	Needs Improvement
96	Nagor	Bhuj	Kachchh	9	A	NI	Needs Improvement
97	Nagvasan	Sidhpur	Patan	10	A	A	Adequate
98	Nananpur	Prantij	Sabarkantha	10	A	A	Adequate
99	Nani Khakhar	Mandvi	Kachchh	5	A	A	Adequate
100	Nava	Deesa	Banaskantha	10	A	NI	Needs Improvement
101	Nikodiya	Prantij	Sabarkantha	10	A	A	Adequate
102	Nortol	Kheralu	Mehsana	9	A	A	Adequate
103	Otalpur	Satlasana	Mehsana	9	A	A	Adequate
104	Padardi	Kankrej	Banaskantha	5	A	NI	Needs Improvement
105	Pakhanwa	Palanpur	Banaskantha	10	NI	NI	Needs Improvement
106	Paldi	Visnagar	Mehsana	7	A	A	Adequate
107	Paldi Vyas	Mansa	Gandhinagar	10	A	A	Adequate
108	Patanpura	Mansa	Gandhinagar	10	A	A	Adequate
109	Punasan	Mehsana	Mehsana	9	A	A	Adequate
110	Rah	Tharad	Banaskantha	5	A	A	Adequate
111	Raheda	Vadali	Sabarkantha	10	A	A	Adequate
112	Rampur	Idar	Sabarkantha	10	A	A	Adequate
113	Rampur (Kot)	Vijapur	Mehsana	10	A	A	Adequate
114	Ramun	Deesa	Banaskantha	5	NI	NI	Needs Improvement
115	Rasulpur	Kheralu	Mehsana	10	A	A	Adequate
116	Ruvavi	Patan	Patan	8	A	A	Adequate
117	Sadarpur	Palanpur	Banaskantha	3	A	A	Adequate

118	Sadikpur	Kheralu	Mehsana	8	A	A	Adequate
119	Sahesa	Sidhpur	Patan	10	A	A	Adequate
120	Samatra	Bhuj	Kachchh	6	A	NI	Needs Improvement
121	Sambela	Dehgam	Gandhinagar	8	A	NI	Needs Improvement
122	Sanganpur	Mehsana	Mehsana	10	A	NI	Needs Improvement
123	Sardarpur	Satlasana	Mehsana	10	A	A	Adequate
124	Sardarpura	Patan	Patan	10	A	NI	Needs Improvement
125	Sardhav	Gandhinagar	Gandhinagar	11	A	A	Adequate
126	Saripada	Palanpur	Banaskantha	5	A	NI	Needs Improvement
127	Sarna	Vadnagar	Mehsana	10	A	A	Adequate
128	Sartanpur	Satlasana	Mehsana	9	A	A	Adequate
129	Sedhavi	Mehsana	Mehsana	10	A	A	Adequate
130	Sikara	Bhachau	Kachchh	11	A	A	Adequate
131	Sipor	Vadnagar	Mehsana	9	A	NI	Needs Improvement
132	Sulipur	Vadnagar	Mehsana	10	A	NI	Needs Improvement
133	Sundhiya	Vadnagar	Mehsana	10	A	A	Adequate
134	Suraj	Jotana	Mehsana	8	A	A	Adequate
135	Takarwada	Palanpur	Banaskantha	5	A	NI	Needs Improvement
136	Takhatgad	Prantij	Sabarkantha	10	A	A	Adequate
137	Takodi	Chanasma	Patan	10	A	A	Adequate
138	Talvana	Mandvi	Kachchh	10	A	A	Adequate
139	Tankiya	Kadi	Mehsana	10	A	A	Adequate
140	Tarapur	Gandhinagar	Gandhinagar	10	A	A	Adequate
141	Tetoda	Deesa	Banaskantha	5	A	A	Adequate
142	Thangana	Kheralu	Mehsana	10	A	A	Adequate
143	Untva	Kadi	Mehsana	8	A	NI	Needs Improvement

144	Vadasar	Bhuj	Kachchh	4	A	NI	Needs Improvement
145	Vadhana	Sidhpur	Patan	11	NI	NI	Needs Improvement
146	Vadsar	Kalol	Gandhinagar	9	A	NI	Needs Improvement
147	Vagosana	Kalol	Gandhinagar	10	NI	NI	Needs Improvement
148	Valasana	Vadnagar	Mehsana	10	A	A	Adequate
149	Vinchiya	Bhuj	Kachchh	11	A	NI	Needs Improvement
150	Vithoda	Kheralu	Mehsana	10	A	A	Adequate
151	Zalmor	Kankrej	Banaskantha	5	A	A	Adequate
152	Zinzva	Prantij	Sabarkantha	10	A	A	Adequate

A - Adequate

NI - Needs Improvement

CAR - Consultative Approach Result

SAR - Scheme Awareness Result

## ANNEXURE – III B: HARYANA

### Extent of Atal Jal in Haryana

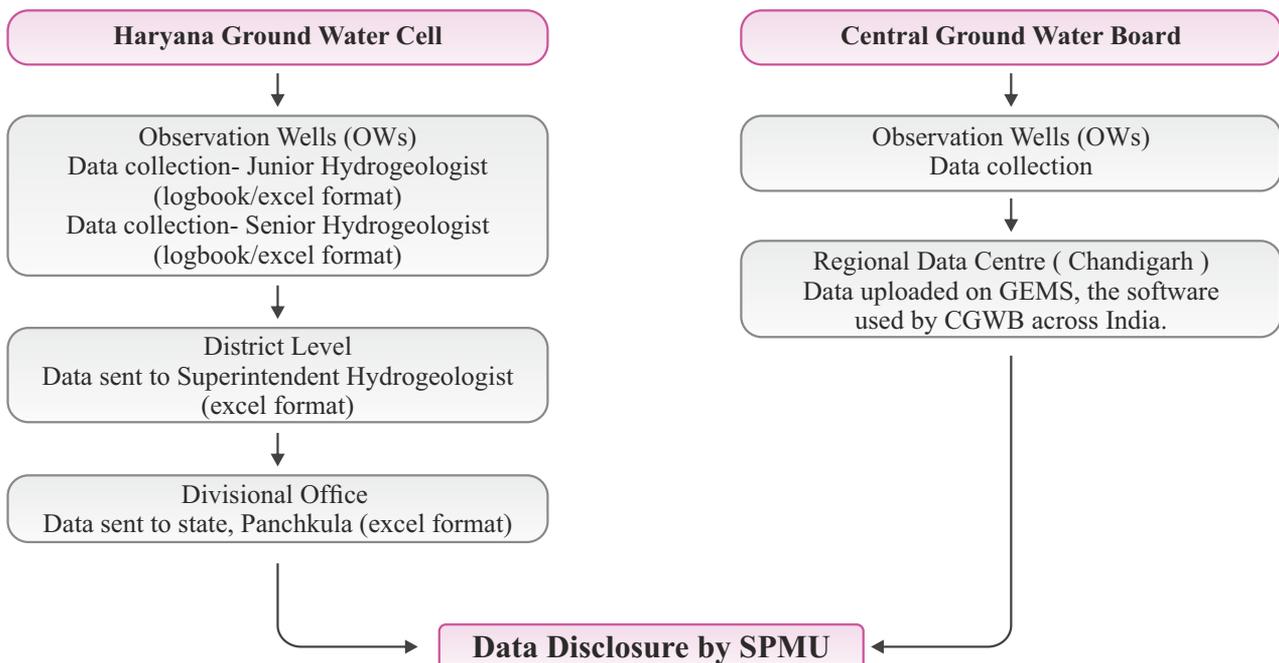
Details of area under Atal Jal	Number
Districts	14
Blocks	36
Gram Panchayats	1669

*Table 6: Details of area of implementation of Atal Jal Yojana in Haryana*

**Implementing Agency:** Irrigation & Water Resources Department, Haryana

**Agencies sharing data:** CGWB, Haryana Ground Water Cell

### Methodology of Water Level Data Collection and Compilation in Haryana



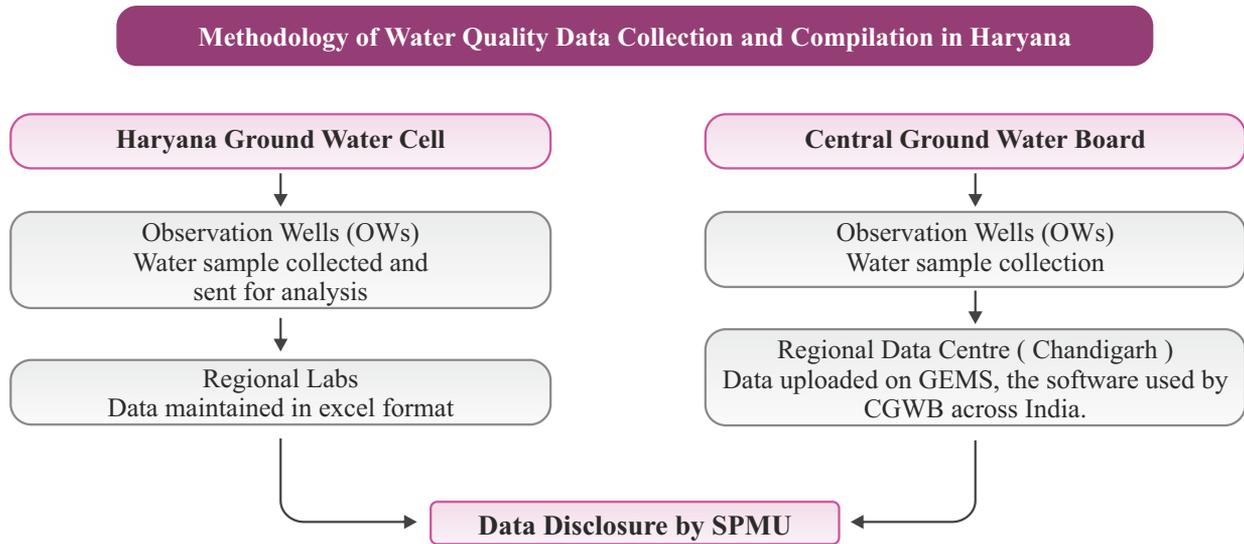
*Figure 3: Water Level Data Flow in Haryana Ground Water Cell and CGWB, Haryana*

## Water Level Data Verification in Haryana

### Successful Occurrence for 2021

### HARYANA

ANALYSIS	Haryana Ground Water Cell	Central Ground Water Board
Number of wells as per MIS	631	0
Number of wells for which data is inspected by QCI	631	0
Number of wells qualified as per verification protocol	6	0
Number of wells for which original records are to be verified	6	0
Data points to be verified (With Longitude and Latitude)	94	0
Actual Data Points to be Verified (Based on Sample)	70	0
Data Points verified through Digital Source (i)	70	0
Data Points verified through Physical Source (ii)	60	0
Total Number of Discrepancies (Digital Source)	0	0
Total Number of Discrepancies (Physical Source)	0	0
Actual Data Points Verified (i+ii)	130	0
Total number of discrepancies observed in water level data as a percentage of total data points verified	0.00%	0.00%
Overall percentage of discrepancies in WL data	0.00%	
Overall percentage of accuracy in WL data	100.00%	
<b>Successful Occurrences</b>	<b>6</b>	



*Figure 4: Water Quality Data Flow in Haryana Ground Water Department and CGWB, Haryana*

### Water Quality Data Verification in Haryana

ANALYSIS	HARYANA	
	Haryana Ground Water Cell	Central Ground Water Board
Number of wells as per MIS	240	0
Number of wells for which data is inspected by QCI	240	0
Number of wells qualified as per verification protocol	0	0

## Hydrogeological Reports Assessment

CATEGORIZATION	HARYANA
<b>Update Categorization</b>	
Number of blocks for which Hydrogeological reports are "Complete" in 2019	0
Number of blocks for which Hydrogeological reports are "Updated" in 2020	0
Number of blocks for which Hydrogeological reports are "Not Updated" in 2020	0
<b>Successful Occurrence Categorization</b>	
Total Number of Hydrogeological reports disclosed	36
Number of blocks for which Hydrogeological reports are "Complete"	0
Number of blocks for which Hydrogeological reports are "Incomplete"	36

## Report Card – DLI#1 2nd Round of Verification for Haryana

<b>Water Level (A)</b>	Total number of wells for which data is available as per verification protocol (at least 8 data points of pre-monsoon and post-monsoon data between 2015-19, and 2 data points of pre-monsoon and post-monsoon data for the year 2020) = <b>6 wells</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (6)$ <b>= 6 wells</b>
<b>Water Quality (B)</b>	Total number of wells for which data is available as per verification protocol (at least 3 year data for at least 3 ions + EC/TDS for 3 years is available between 2015-2019 and data points of pH, EC/TDS and 10 ions for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{100 - (\text{Percentage of discrepancies in water quality data})\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ <b>= NA</b>
<b>Hydrogeological Reports (C)</b>	Total number of blocks for which Hydrogeological report is disclosed = 36
	<b>Total number of blocks that achieved completion of Hydrogeological report = 0</b>
<b>Successful Occurrences (A+B+C)</b>	<b>6</b>

*NA: The particular parameter did not meet the qualifying criteria of verification protocol*

## Report Card – DLI#2 1st Round of Verification in Haryana

WATER SECURITY PLAN		HARYANA
Total no. of WSPs Submitted		325
WSPs sampled for field verification		72
WSPs found 'Adequate' for Community Participation assessment		32

### GP wise results for Community Participation Assessment

S No.	Gram Panchayat	Block	District	No. of Respondents	SAR	CAR	GP Aggregate Result
1	Alampur	Tosham	Bhiwani	10	A	A	Adequate
2	Allika	Palwal	Palwal	10	A	A	Adequate
3	Amai	Tohana	Fatehabad	10	A	NI	Needs Improvement
4	Amirwas	Loharu	Bhiwani	9	A	NI	Needs Improvement
5	Arnai	Pehowa	Kurukshetra	5	A	NI	Needs Improvement
6	Baaikhera	Sohna	Gurugram	10	A	A	Adequate
7	Bardu Dhirja	Loharu	Bhiwani	9	A	A	Adequate
8	Baskirarod Um-rabad	Narnaul	Mahendragarh	9	A	NI	Needs Improvement
9	Baspadmaka	Pataudi	Gurugram	9	A	A	Adequate
10	Bhushan Khurd	Narnaul	Mahendragarh	9	A	NI	Needs Improvement
11	Bidhnoi	Behal	Bhiwani	10	A	A	Adequate
12	Bijlanawas	Kairu	Bhiwani	7	A	A	Adequate
13	Bodha	Pehowa	Kurukshetra	10	A	NI	Needs Improvement
14	Bodhni	Pehowa	Kurukshetra	10	A	NI	Needs Improvement
15	Brahmanwas	Pataudi	Gurugram	10	A	A	Adequate

16	Chandwas	Badhra	Charkhi Dadri	9	A	A	Adequate
17	Chhana Jattan	Guhla	Kaithal	9	A	NI	Needs Improvement
18	Chirwari	Palwal	Palwal	10	A	A	Adequate
19	Chulkana	Samalkha	Panipat	12	A	A	Adequate
20	Dabarki	Karnal	Karnal	7	A	NI	Needs Improvement
21	Dadam	Tosham	Bhiwani	14	A	NI	Needs Improvement
22	Dhiranki	Hathin	Palwal	7	A	A	Adequate
23	Fariabad	Rajound	Kaithal	10	A	A	Adequate
24	Fatehpur	Jagadhri	Yamunanagar	7	A	NI	Needs Improvement
25	Fhirojpur Rajput	Hathin	Palwal	9	A	NI	Needs Improvement
26	Gailpur	Palwal	Palwal	10	A	A	Adequate
27	Galedwa	Pehowa	Kurukshetra	10	A	NI	Needs Improvement
28	Galoli	Jagadhri	Yamunanagar	6	A	NI	Needs Improvement
29	Gothra Mohabatbad	Faridabad	Faridabad	8	A	NI	Needs Improvement
30	Hafizpur	Jagadhri	Yamunanagar	15	A	A	Adequate
31	Harnaul	Jagadhri	Yamunanagar	14	A	A	Adequate
32	Harphala	Ballabgarh	Faridabad	5	A	NI	Needs Improvement
33	Hathwala	Samalkha	Panipat	13	A	A	Adequate
34	Helwa	Pehowa	Kurukshetra	10	A	NI	Needs Improvement
35	Kakrala Gujran	Pehowa	Kurukshetra	10	A	A	Adequate
36	Kalampura	Karnal	Karnal	10	A	NI	Needs Improvement
37	Kanoli	Hathin	Palwal	10	A	A	Adequate
38	Karamshana	Ellenabad	Sirsa	7	A	NI	Needs Improvement
39	Karna	Palwal	Palwal	10	A	NI	Needs Improvement
40	Kheri Gujran	Faridabad	Faridabad	8	A	NI	Needs Improvement

41	Khorma	Narnaul	Mahendragarh	10	A	A	Adequate
42	Ladianwali	Kairu	Bhiwani	13	A	A	Adequate
43	Lapra	Jagadhri	Yamunanagar	7	A	NI	Needs Improvement
44	Mailawas	Khol	Rewari	5	NI	NI	Needs Improvement
45	Mamera Khurd	Ellenabad	Sirsa	12	A	A	Adequate
46	Mandouri	Hathin	Palwal	9	A	NI	Needs Improvement
47	Mangar	Faridabad	Faridabad	7	A	NI	Needs Improvement
48	Mehrapur	Narnaul	Mahendragarh	10	A	NI	Needs Improvement
49	Mirgahan	Karnal	Karnal	10	NI	NI	Needs Improvement
50	Moh. Hamidkhan	Narnaul	Mahendragarh	9	A	A	Adequate
51	Mukarampur	Jagadhri	Yamunanagar	10	A	NI	Needs Improvement
52	Mustafabad	Karnal	Karnal	10	A	A	Adequate
53	Nangtihar	Narnaul	Mahendragarh	8	A	A	Adequate
54	Nanuana	Rania	Sirsa	10	A	NI	Needs Improvement
55	Neemla	Ellenabad	Sirsa	15	A	A	Adequate
56	Nigana Kalan	Tosham	Bhiwani	7	A	NI	Needs Improvement
57	Nimoth	Sohna	Gurugram	10	A	NI	Needs Improvement
58	Patti Kirpal	Ellenabad	Sirsa	8	A	A	Adequate
59	Ramgarh Alias Rohar	Pehowa	Kurukshetra	5	NI	NI	Needs Improvement
60	Ruhla Kheri	Jagadhri	Yamunanagar	15	A	A	Adequate
61	Rukanpur	Karnal	Karnal	10	A	NI	Needs Improvement
62	Salarpur Mehta	Narnaul	Mahendragarh	10	A	A	Adequate
63	Sancholi	Sohna	Gurugram	11	A	NI	Needs Improvement
64	Saraswati Khera	Pehowa	Kurukshetra	8	A	NI	Needs Improvement

65	Saroli	Hathin	Palwal	9	A	NI	Needs Improvement
66	Seka	Narnaul	Mahendragarh	9	A	NI	Needs Improvement
67	Seonsar	Pehowa	Kurukshetra	10	A	A	Adequate
68	Shobhapur	Narnaul	Mahendragarh	9	A	NI	Needs Improvement
69	Simliwas	Kairu	Bhiwani	9	A	NI	Needs Improvement
70	Subhri	Karnal	Karnal	15	NI	NI	Needs Improvement
71	Tehla	Narnaul	Mahendragarh	10	A	A	Adequate
72	Thana(Narnaul)	Narnaul	Mahendragarh	10	A	A	Adequate

A - Adequate

NI - Needs Improvement

CAR - Consultative Approach Result

SAR - Scheme Awareness Result

## ANNEXURE – III C: KARNATAKA

### Extent of Atal Jal in Karnataka

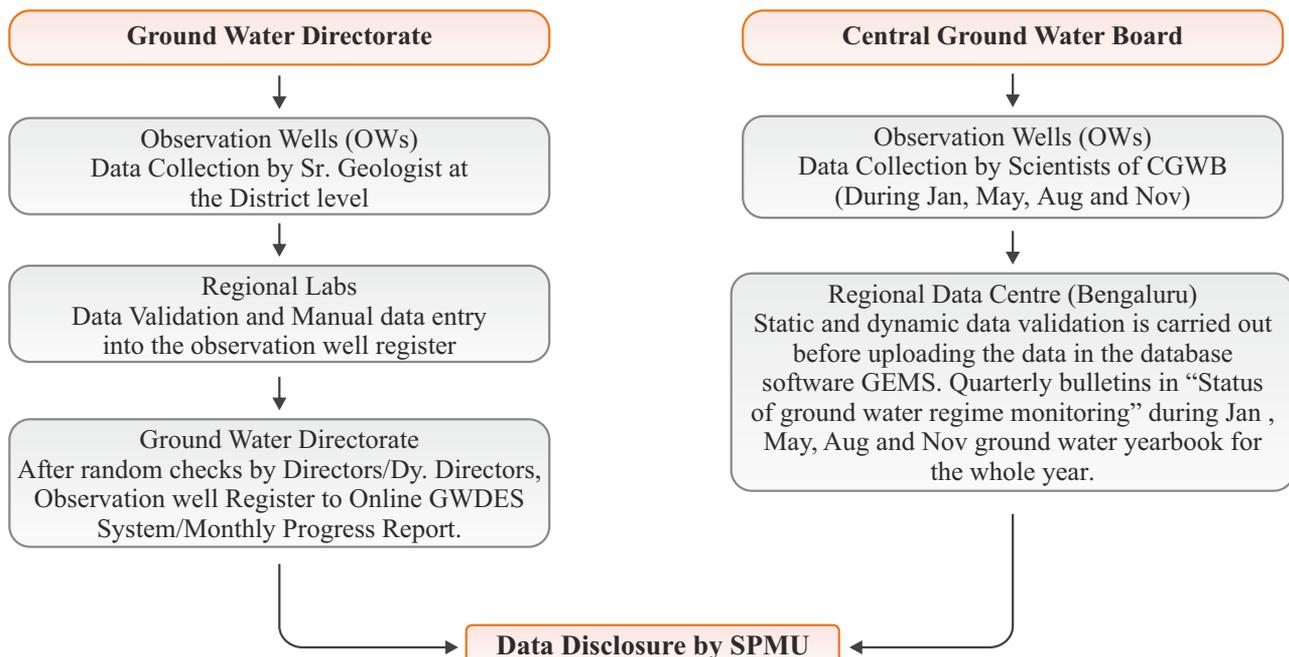
Details of area under Atal Jal	Number
Districts	14
Blocks	41
Gram Panchayats	1199

*Table 7: Details of area of implementation of Atal Jal Yojana in Karnataka*

**Implementing Agency:** Ground Water Directorate, Department of Minor Irrigation and Groundwater Development, Government of Karnataka

**Agencies sharing data:** CGWB, Ground Water Directorate

### Methodology of Water Level Data Collection and Compilation in Karnataka



*Figure 5: Water Level Data Flow in Ground Water Directorate and CGWB, Karnataka*

## Water Level Data Verification in Karnataka

### Successful Occurrence for 2021

### KARNATAKA

ANALYSIS	Total Number of OWs
Number of wells as per MIS	900
Number of wells for which data is inspected by QCI	900
Number of wells qualified as per verification protocol	0
Number of wells for which original records are to be verified	0
Data points to be verified (With Longitude and Latitude)	0
Actual Data Points to be Verified (Based on Sample)	0
Data Points verified through Digital Source (i)	0
Data Points verified through Physical Source (ii)	0
Total Number of Discrepancies (Digital Source)	0
Total Number of Discrepancies (Physical Source)	0
Actual Data Points Verified (i+ii)	0
Total number of discrepancies observed in water level data as a percentage of total data points verified	0.00%
Overall percentage of discrepancies in WL data	0.00%
Overall percentage of accuracy in WL data	0.00%
<b>Successful Occurrences</b>	<b>0.00</b>

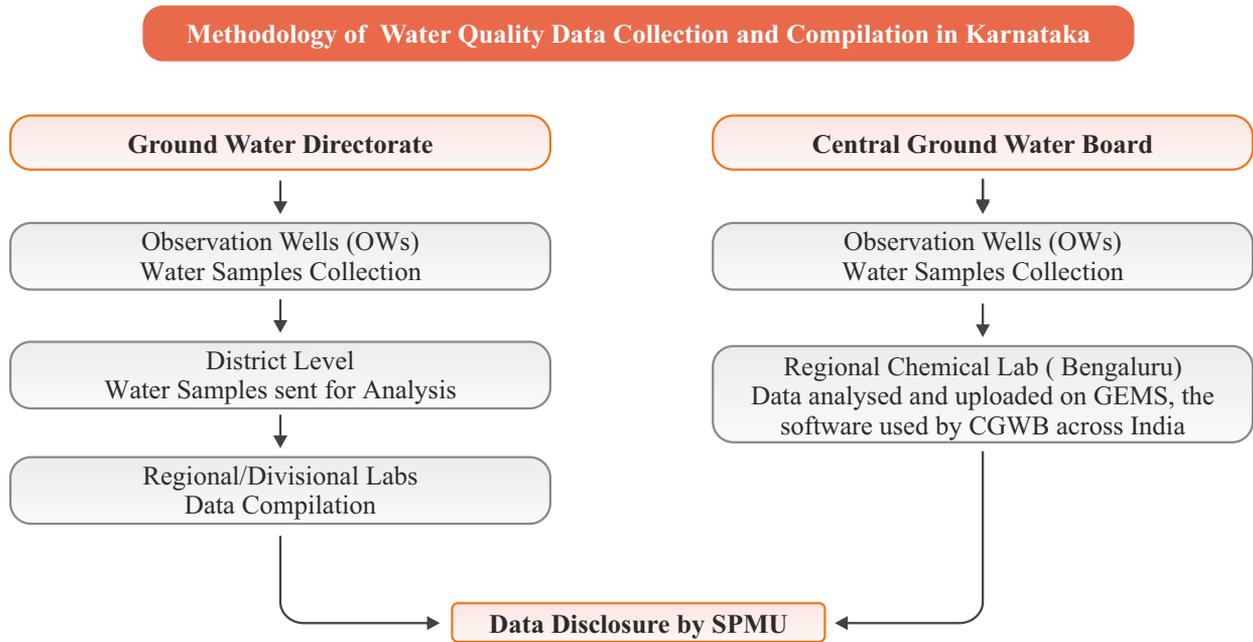


Figure 6: Water Quality Data Flow in Ground Water Directorate and CGWB, Karnataka

### Water Quality Data Verification in Karnataka

**Successful Occurrence for 2021**

**KARNATAKA**

ANALYSIS	Ground Water Directorate	Central Ground Water Board
Number of wells as per MIS	*	*
Number of wells for which data is inspected by QCI	*	*
Number of wells qualified as per verification protocol	*	*

"\*" : Verification not done

## Hydrogeological Reports Assessment

CATEGORIZATION	KARNATAKA
<b>Update Categorization</b>	
Number of blocks for which Hydrogeological reports are "Complete" in 2019	14
Number of blocks for which Hydrogeological reports are "Updated" in 2020	0
Number of blocks for which Hydrogeological reports are "Not Updated" in 2020	0
<b>Successful Occurrence Categorization</b>	
Total Number of Hydrogeological reports disclosed	41
Number of blocks for which Hydrogeological reports are "Complete"	0
Number of blocks for which Hydrogeological reports are "Incomplete"	41

## Report Card – DLI#1 2nd Round of Verification in Karnataka

<b>Water Level (A)</b>	Total number of wells for which data is available as per verification protocol (at least 8 data points of pre-monsoon and post-monsoon data between 2015-19, and 2 data points of pre-monsoon and post-monsoon data for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> = $\{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Water Quality (B)</b>	Total number of wells for which data is available as per verification protocol (at least 3 year data for at least 3 ions + EC/TDS for 3 years is available between 2015-2019 and data points of pH, EC/TDS and 10 ions for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> = $\{100 - (\text{Percentage of discrepancies in water quality data})\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Hydrogeological Reports (C)</b>	Total number of blocks for which Hydrogeological report is disclosed = 41
	<b>Total number of blocks that achieved completion of Hydrogeological report = 0</b>
<b>Successful Occurrences (A+B+C)</b>	<b>0</b>

*NA: The particular parameter did not meet the qualifying criteria of verification protocol*

## Report Card – DLI#2 1st Round of Verification in Karnataka

WATER SECURITY PLAN		KARNATAKA
Total no. of WSPs Submitted		766
WSPs sampled for field verification		139
WSPs found 'Adequate' for Community Participation assessment		131

## GP wise results for Community Participation Assessment

S No.	Gram Panchayat	Block	District	No. of Respondents	SAR	CAR	GP Aggregate Result
1	Aanegere	Kadur	Chikka-magalur	10	A	A	Adequate
2	Abbinahole	Hiriyuru	Chitradurga	10	A	A	Adequate
3	Achalu	Kanakapura	Ramnagara	10	A	A	Adequate
4	Addagallu	Chikka-ballapur	Chikka-ballapur	10	A	A	Adequate
5	Akkuru	Ramnagara	Ramnagara	10	A	A	Adequate
6	Anivala	Hosadurga	Chitradurga	10	A	A	Adequate
7	Arahalli	Kolar	Kolar	10	A	A	Adequate
8	Avaradi	Ramadurg	Belgaum	5	A	A	Adequate
9	Bachahalli	Gundlupet	Chamara-jnagar	10	A	A	Adequate
10	Ballagere	Tumkur	Tumkur	13	A	NI	Needs Improvement
11	Banahalli	Malur	Kolar	10	A	A	Adequate
12	Banavasi	Kanakapura	Ramnagara	10	A	A	Adequate
13	Barakanalu	Chikkanaya-kanahalli	Tumkur	10	A	A	Adequate
14	Batakurki	Ramadurg	Belgaum	10	A	A	Adequate
15	Beechaganahally	Gudibanda	Chikka-ballapur	10	A	A	Adequate

16	Beladadi	Gadag	Gadag	10	A	A	Adequate
17	Belagatta	Chitradurga	Chitradurga	10	A	A	Adequate
18	belamaranhalli	Kolar	Kolar	10	A	A	Adequate
19	Bendekere	Arsikere	Hassan	10	A	A	Adequate
20	Bevinamatti S.H	Bagalkot	Bagalkot	15	A	A	Adequate
21	Bhupasandra	Sira	Tumkur	10	A	A	Adequate
22	Bidarakere	Holalkere	Chitradurga	10	A	A	Adequate
23	Bilichodu	Jagaluru	Davanageri	10	A	A	Adequate
24	Biligere	Tiptur	Tumkur	10	A	A	Adequate
25	Bokikere	Hosadurga	Chitradurga	10	A	A	Adequate
26	Budiguppe	Kanakapura	Ramnagara	13	A	A	Adequate
27	Bychapura	Gauribidanur	Chikkaballapur	10	A	A	Adequate
28	Changavara	Sira	Tumkur	10	A	A	Adequate
29	Cheelanahalli	Kadur	Chikkamagalur	10	A	A	Adequate
30	Chelur	Bagepalli	Chikkaballapur	9	A	A	Adequate
31	Chigateri	Harapanahalli	Vijayanagara	10	A	A	Adequate
32	Chikkagangur	Channagiri	Davanageri	10	A	A	Adequate
33	chikkakunthur	Malur	Kolar	10	A	A	Adequate
34	Chikkangala	Kadur	Chikkamagalur	10	A	A	Adequate
35	Chowluru	Challakere	Chitradurga	12	A	A	Adequate
36	D.N.Doddi	Malur	Kolar	5	A	NI	Needs Improvement
37	D.V.Halli	Madhugiri	Tumkur	10	A	A	Adequate
38	Dapparti	Gudibanda	Chikkaballapur	10	A	A	Adequate
39	Dasodi	Chikkanayakanahalli	Tumkur	10	A	A	Adequate
40	Dhonimadagu	Bangarpet	Kolar	10	A	A	Adequate
41	Diddigi	Jagaluru	Davanageri	10	A	A	Adequate

42	Doddanaravan-gala	Tumkur	Tumkur	10	A	NI	Needs Improvement
43	Doddathekalav-atti	Hosadurga	Chitradu-rga	9	A	A	Adequate
44	Doddaullarthi	Challakere	Chitradu-rga	10	A	A	Adequate
45	Duggavathi	Harapana-halli	Vi-jayanagara	10	A	A	Adequate
46	Dyavasandra	Kanakapura	Ramnagara	10	A	A	Adequate
47	Elishirur	Gadag	Gadag	10	A	A	Adequate
48	Enigadale	Chinthamani	Chikka-ballapur	15	A	A	Adequate
49	Gaddanakeri	Bagalkot	Bagalkot	10	A	A	Adequate
50	Gaddhikeri	Hagari Bommana Halli	Vi-jayanagara	10	A	A	Adequate
51	Ganganaharli	Kadur	Chikka-magalur	10	A	A	Adequate
52	Gangonahalli	Tumkur	Tumkur	12	A	A	Adequate
53	Gonnagar	Ramadurg	Belgaum	10	A	A	Adequate
54	Gowdanahalli	Hiriyuru	Chitradu-rga	10	A	A	Adequate
55	Gungaramele	Tiptur	Tumkur	10	A	A	Adequate
56	Hadripura	Dodda-ballapura	Bangalore Rural	15	A	A	Adequate
57	Haletoragal	Ramadurg	Belgaum	10	A	A	Adequate
58	Hasiruvalli	Nelaman-gala	Bangalore Rural	10	A	NI	Needs Improvement
59	Hendore	Sira	Tumkur	10	A	A	Adequate
60	Herindyapana-halli	Kanakapura	Ramnagara	10	A	A	Adequate
61	Hirekoppa Ks.	Ramadurg	Belgaum	10	A	A	Adequate
62	Holakal	Tumkur	Tumkur	15	A	A	Adequate
63	Holavanahalli	Koratagere	Tumkur	10	A	A	Adequate
64	Holur	Kolar	Kolar	10	A	A	Adequate
65	Honasigere	Tumkur	Tumkur	10	A	A	Adequate
66	Honnebaghi	Channagiri	Davanageri	10	A	A	Adequate
67	Honnenahalli	Kolar	Kolar	10	A	A	Adequate

68	Hospate	Sidlaghatta	Chikka-ballapur	10	A	A	Adequate
69	Hunasenahalli	Sidlaghatta	Chikka-ballapur	10	A	NI	Needs Improvement
70	Hungenahalli	Malur	Kolar	10	A	A	Adequate
71	Joladal	Channagiri	Davanageri	10	A	A	Adequate
72	Kabbal	Kanakapura	Ramnagara	12	A	A	Adequate
73	Kabballi	Gundlupet	Chamara-jnagar	10	A	A	Adequate
74	Kadadanamari	Chinthamani	Chikka-ballapur	10	A	A	Adequate
75	Kadagathur	Madhugiri	Tumkur	10	A	A	Adequate
76	Kadathi	Harapanahalli	Vi-jayanagara	10	A	A	Adequate
77	Kadur (Rural)	Kadur	Chikka-magalur	10	A	A	Adequate
78	Kammaguttahalli	Chikka-ballapur	Chikka-ballapur	10	A	A	Adequate
79	Kanagamakalapalli	Bagepalli	Chikka-ballapur	10	A	A	Adequate
80	Kanajanahalli	Hiriyur	Chitradurga	10	A	A	Adequate
81	Karagunda	Arsikere	Hassan	10	A	A	Adequate
82	Khandenahalli	Hiriyur	Chitradurga	10	A	A	Adequate
83	Kolagunda	Arsikere	Hassan	10	A	A	Adequate
84	Kolathur	Srinivaspur	Kolar	10	A	NI	Needs Improvement
85	Kumbiganahalli	Sidlaghatta	Chikka-ballapur	10	A	A	Adequate
86	Kunikere	Hiriyur	Chitradurga	10	A	A	Adequate
87	Kurubarahalli	Gauribidanur	Chikka-ballapur	10	A	A	Adequate
88	Lakkalakatti	Ron	Gadag	5	A	A	Adequate
89	Madderu	Holalkere	Chitradurga	10	A	A	Adequate
90	Madhuru	Hagari-bommana Halli	Bellary	14	A	A	Adequate
91	Malamachanahalli	Sidlaghatta	Chikka-ballapur	10	A	A	Adequate

92	Mallasandra	Tumkur	Tumkur	10	A	NI	Needs Improvement
93	Mastenahalli (Chinthamani)	Chinthamani	Chikka- ballapur	14	A	A	Adequate
94	Mattodu	Hosadurga	Chitradu- rga	10	A	A	Adequate
95	Morigeri	Hagari Bommana Halli	Vi- jayanagara	10	A	A	Adequate
96	Mugalolli	Bagalkot	Bagalkot	10	A	A	Adequate
97	Murugamalla	Chinthamani	Chikka- ballapur	10	A	A	Adequate
98	Nagaraghatta	Tiptur	Tumkur	10	A	A	Adequate
99	Nenekatte	Gundlupet	Chamara- jnagar	15	A	A	Adequate
100	Niduvalli	Kadur	Chikka- magalur	10	A	A	Adequate
101	Nilagunda	Harapana- halli	Vi- jayanagara	10	A	A	Adequate
102	Nonavinakere	Tiptur	Tumkur	8	A	A	Adequate
103	Palasandra	Tumkur	Tumkur	10	A	A	Adequate
104	pathapalya	Bagepalli	Chikka- ballapur	13	A	A	Adequate
105	Polinayakana- palli	Bagepalli	Chikka- ballapur	9	A	A	Adequate
106	Puttanapura	Gundlupet	Chamara- jnagar	10	A	A	Adequate
107	Rajenahalli	Malur	Kolar	15	A	A	Adequate
108	Ramajogihalli	Challakere	Chitradu- rga	10	A	A	Adequate
109	Rathnasandra	Sira	Tumkur	11	A	A	Adequate
110	S.Mahadevapu- ra	Challakere	Chitradu- rga	10	A	A	Adequate
111	Sadali	Sidlaghatta	Chikka- ballapur	6	A	A	Adequate
112	Sathanuru	Kanakapura	Ramnagara	10	A	A	Adequate
113	Shanegere	Arsikere	Hassan	10	A	A	Adequate
114	Shantageri	Ron	Gadag	10	A	A	Adequate
115	Shapura	Kolar	Kolar	10	A	A	Adequate
116	Shindanapura	Gundlupet	Chamara- jnagar	10	A	A	Adequate

117	Shivagange	Nelaman-gala	Bangalore Rural	13	A	NI	Needs Improve-ment
118	Shivarapatna	Malur	Kolar	10	A	A	Adequate
119	Sirivara	Tumkur	Tumkur	11	A	A	Adequate
120	Somayajalapalli	Srinivaspur	Kolar	10	A	A	Adequate
121	T.Gollahalli	Bangarpet	Kolar	10	A	A	Adequate
122	Takel	Malur	Kolar	10	A	A	Adequate
123	Talagunda	Sira	Tumkur	10	A	A	Adequate
124	Talakayalabetta	Sidlaghatta	Chikka-ballapur	10	A	A	Adequate
125	Thimmanahalli	Chikkanaya-kanahalli	Tumkur	11	A	A	Adequate
126	Thollapalli	Bagepalli	Chikka-ballapur	10	A	A	Adequate
127	Thungani	Kanakapura	Ramnagara	11	A	A	Adequate
128	Tirumani	Gudibanda	Chikka-ballapur	10	A	A	Adequate
129	Toranaghatte	Jagaluru	Davanageri	10	A	A	Adequate
130	Tulasigeri	Bagalkot	Bagalkot	10	A	A	Adequate
131	Tuppadhalli	Holalkere	Chitradur-ga	10	A	A	Adequate
132	Undiganaalu	Arsikere	Hassan	10	A	A	Adequate
133	Vatadahosahally	Gaurib-idanur	Chikka-ballapur	10	A	A	Adequate
134	Venkatapura	Sidlaghatta	Chikka-ballapur	10	A	A	Adequate
135	Vishwanthapura	Devanhalli	Bangalore Rural	15	A	A	Adequate
136	Voddagere	Koratagere	Tumkur	7	A	A	Adequate
137	Yalachavadi	Kanakapura	Ramnagara	11	A	A	Adequate
138	Yalagodu	Chitradurga	Chitradur-ga	10	A	A	Adequate
139	Yellampalli	Bagepalli	Chikka-ballapur	10	A	A	Adequate

A - Adequate

NI - Needs Improvement

CAR - Consultative Approach Result

SAR - Scheme Awareness Result

## ANNEXURE – III D: MADHYA PRADESH

### Extent of Atal Jal in Madhya Pradesh

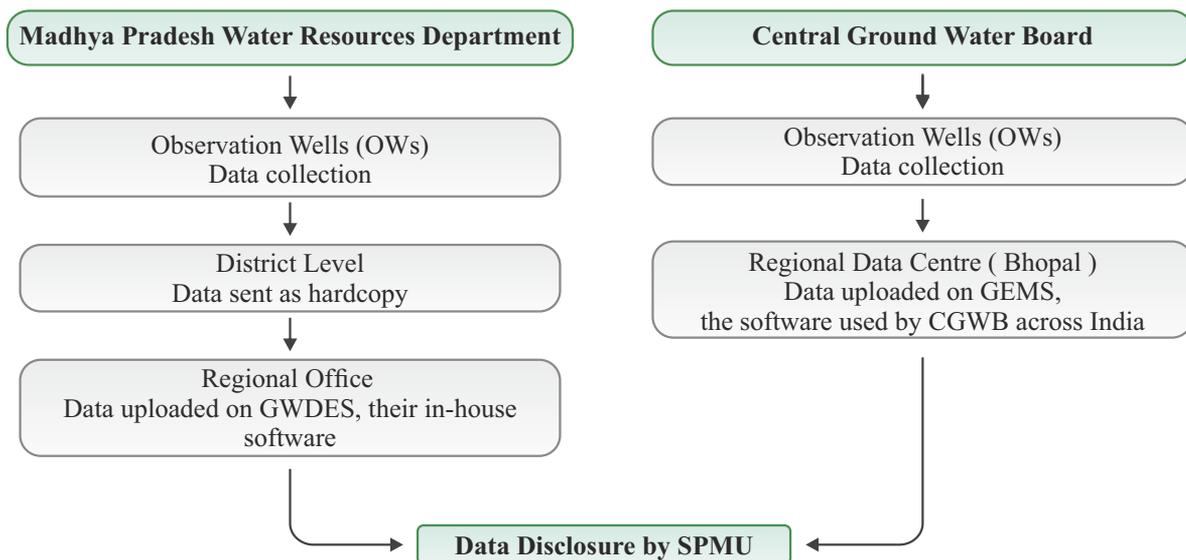
Details of area under Atal Jal	Number
Districts	6
Blocks	9
Gram Panchayats	672

*Table 8: Details of area of implementation of Atal Jal Yojana in Madhya Pradesh*

**Implementing Agency:** Madhya Pradesh Water Resources Department

**Agencies sharing data:** CGWB, Madhya Pradesh Water Resources Department

### Methodology of Water Level Data Collection and Compilation



*Figure 7: Water Level Data Flow in Madhya Pradesh Water Resources Department and CGWB, Madhya Pradesh*

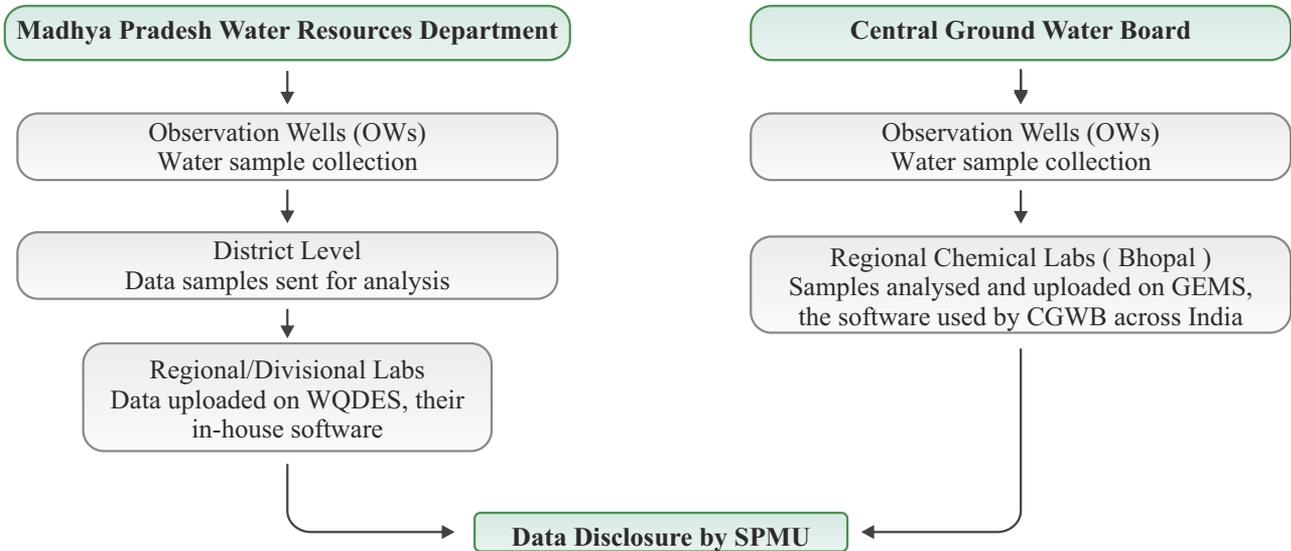
## Water Level Data Verification in Madhya Pradesh

### Successful Occurrence for 2021

### MADHYA PRADESH

ANALYSIS	MP Ground Water Department	Central Ground Water Board
Number of wells as per MIS		190
Number of wells for which data is inspected by QCI		190
Number of wells qualified as per verification protocol	4	4
Number of wells for which original records are to be verified	4	4
Data points to be verified (With Longitude and Latitude)	64	64
Actual Data Points to be Verified (Based on Sample)	48	48
Data Points verified through Digital Source (i)	48	48
Data Points verified through Physical Source (ii)	28	0
Total Number of Discrepancies (Digital Source)	0	0
Total Number of Discrepancies (Physical Source)	1	0
Actual Data Points Verified (i+ii)	76	48
Total number of discrepancies observed in water level data as a percentage of total data points verified	1.32%	0.00%
Overall percentage of discrepancies in WL data		0.81%
Overall percentage of accuracy in WL data		99.19%
<b>Successful Occurrences</b>		<b>8</b>

**Methodology of Water Quality Data Collection and Compilation in Madhya Pradesh**



*Figure 8: Water Quality Data Flow in Madhya Pradesh Water Resources Department and CGWB, Madhya Pradesh*

**Water Quality Data Verification in Madhya Pradesh**

Successful Occurrence for 2021		MADHYA PRADESH
ANALYSIS		Total Number of OWs
Number of wells as per MIS		190
Number of wells for which data is inspected by QCI		190
Number of wells qualified as per verification protocol		0

## Hydrogeological Reports Assessment

CATEGORIZATION	MADHYA PRADESH
<b>Update Categorization</b>	
Number of blocks for which Hydrogeological reports are "Complete" in 2019	4
Number of blocks for which Hydrogeological reports are "Updated" in 2020	0
Number of blocks for which Hydrogeological reports are "Not Updated" in 2020	0
<b>Successful Occurrence Categorization</b>	
Total Number of Hydrogeological reports disclosed	9
Number of blocks for which Hydrogeological reports are "Complete"	0
Number of blocks for which Hydrogeological reports are "Incomplete"	9

## Report Card – DLI#1 2nd Round of Verification in Madhya Pradesh

<b>Water Level (A)</b>	Total number of wells for which data is available as per verification protocol (at least 8 data points of pre-monsoon and post-monsoon data between 2015-19, and 2 data points of pre-monsoon and post-monsoon data for the year 2020) = <b>8 wells</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0.81/100)) \times (8)$ <b>= 8 wells</b>
<b>Water Quality (B)</b>	Total number of wells for which data is available as per verification protocol (at least 3 year data for at least 3 ions + EC/TDS for 3 years is available between 2015-2019 and data points of pH, EC/TDS and 10 ions for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{100 - (\text{Percentage of discrepancies in water quality data})\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ <b>= NA</b>
<b>Hydrogeological Reports (C)</b>	Total number of blocks for which Hydrogeological report is disclosed = 9
	<b>Total number of blocks that achieved completion of Hydrogeological report = 0</b>
<b>Successful Occurrences (A+B+C)</b>	<b>8</b>

NA: The particular parameter did not meet the qualifying criteria of verification protocol

## Report Card – DLI#2 1st Round of Verification in Madhya Pradesh

WATER SECURITY PLAN		MADHYA PRADESH
Total no. of WSPs Submitted		378
WSPs sampled for field verification		81
WSPs found 'Adequate' for Community Participation assessment		66

### GP wise results for Community Participation Assessment

S No.	Gram Panchayat	Block	District	No. of Respondents	SAR	CAR	GP Aggregate Result
1	Ahaar	Baldevgarh	Tikamgarh	7	A	NI	Needs Improvement
2	Ama	Naugaon	Chhatarpur	10	A	A	Adequate
3	Amarchhi	Ajeygarh	Panna	10	A	A	Adequate
4	Astari	Niwari	Niwari	10	A	A	Adequate
5	Badera	Baldevgarh	Tikamgarh	10	A	A	Adequate
6	Badona	Sagar	Sagar	11	A	A	Adequate
7	Bahirwara	Ajeygarh	Panna	10	A	A	Adequate
8	Bamhoura Kala	Palera	Tikamgarh	10	A	A	Adequate
9	Banera	Baldevgarh	Tikamgarh	10	A	A	Adequate
10	Bangayankhas	Niwari	Niwari	10	A	A	Adequate
11	Banne Bujurg	Palera	Tikamgarh	10	A	A	Adequate
12	Baproli(Niwari)	Niwari	Niwari	10	A	A	Adequate
13	Barkheda Durgadas	Pathariya	Damoh	10	A	NI	Needs Improvement
14	Barkonha	Chhatarpur	Chhatarpur	10	A	A	Adequate
15	Barme	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
16	Bhadarra	Naugaon	Chhatarpur	15	A	A	Adequate

17	Bhadesar	Naugaon	Chhatarpur	15	A	A	Adequate
18	Bhagwantpura	Palera	Tikamgarh	10	A	A	Adequate
19	Bhainsa	Sagar	Sagar	10	A	A	Adequate
20	Bhanpura	Baldevgarh	Tikamgarh	10	A	A	Adequate
21	Bijor	Niwari	Niwari	10	A	A	Adequate
22	Botrai	Pathariya	Damoh	10	A	A	Adequate
23	Budoura	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
24	Budrakh	Naugaon	Chhatarpur	10	A	A	Adequate
25	Chaubara	Baldevgarh	Tikamgarh	8	A	NI	Needs Improvement
26	Deopura	Baldevgarh	Tikamgarh	10	A	A	Adequate
27	Devarda	Baldevgarh	Tikamgarh	10	A	A	Adequate
28	Devarikalarau	Niwari	Niwari	5	A	A	Adequate
29	Devrinayak	Niwari	Niwari	7	A	A	Adequate
30	Dhamaura	Chhatarpur	Chhatarpur	10	A	A	Adequate
31	Dhana	Sagar	Sagar	10	A	NI	Needs Improvement
32	Dharam Pura	Naugaon	Chhatarpur	10	A	A	Adequate
33	Dhoguwan	Rajnagar	Chhatarpur	8	A	A	Adequate
34	Doh	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
35	Ganeshpura (Sidhpur)	Baldevgarh	Tikamgarh	10	A	A	Adequate
36	Gangayach	Chhatarpur	Chhatarpur	10	A	A	Adequate
37	Gaugayn	Chhatarpur	Chhatarpur	10	A	A	Adequate
38	Gidkhini	Niwari	Niwari	10	A	A	Adequate
39	Gova	Palera	Tikamgarh	10	A	A	Adequate
40	Guda	Pathariya	Damoh	10	A	A	Adequate
41	Guda Najdeek Pali	Palera	Tikamgarh	15	A	A	Adequate
42	Hanumantpur	Ajeygarh	Panna	10	A	A	Adequate
43	Harduwani	Pathariya	Damoh	8	A	A	Adequate
44	Hata	Baldevgarh	Tikamgarh	10	A	A	Adequate

45	Jatera	Baldevgarh	Tikamgarh	9	A	A	Adequate
46	Jhamtuli	Rajnagar	Chhatarpur	11	A	A	Adequate
47	Kachora Khas	Palera	Tikamgarh	10	A	A	Adequate
48	Khargupura	Palera	Tikamgarh	10	A	A	Adequate
49	Khera (Palera)	Palera	Tikamgarh	10	A	A	Adequate
50	Khojakhedi	Pathariya	Damoh	8	A	A	Adequate
51	Kishorpura	Niwari	Niwari	8	A	A	Adequate
52	Kishunganj	Pathariya	Damoh	5	A	A	Adequate
53	Kudari	Sagar	Sagar	10	A	A	Adequate
54	Kumeriya	Pathariya	Damoh	11	A	A	Adequate
55	Kurela	Rajnagar	Chhatarpur	10	A	A	Adequate
56	Lugasi	Naugaon	Chhatarpur	10	A	A	Adequate
57	Mirjapur	Pathariya	Damoh	8	A	A	Adequate
58	Moune Ka Khera	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
59	Nandanpur	Ajeygarh	Panna	10	A	A	Adequate
60	Nayagaon	Palera	Tikamgarh	10	A	A	Adequate
61	Pacher Khas	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
62	Padarha	Ajeygarh	Panna	10	A	A	Adequate
63	Padariya	Sagar	Sagar	10	A	NI	Needs Improvement
64	Pathari	Palera	Tikamgarh	10	A	A	Adequate
65	Peera	Rajnagar	Chhatarpur	10	A	A	Adequate
66	Pharkapathrai	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
67	Phoolpur	Palera	Tikamgarh	10	A	A	Adequate
68	Pidpa	Chhatarpur	Chhatarpur	10	A	A	Adequate
69	Pipariya Champat	Pathariya	Damoh	5	A	A	Adequate
70	Richhawar	Sagar	Sagar	10	A	NI	Needs Improvement
71	Sadguwan	Pathariya	Damoh	10	A	A	Adequate
72	Sarani	Chhatarpur	Chhatarpur	10	A	A	Adequate

73	Sarkanpur	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
74	Semralakhraoni	Pathariya	Damoh	5	A	A	Adequate
75	Semralodhi	Pathariya	Damoh	8	A	A	Adequate
76	Sidguwan	Sagar	Sagar	9	A	A	Adequate
77	Sitanagar	Pathariya	Damoh	10	A	NI	Needs Improvement
78	Sujanpura	Baldevgarh	Tikamgarh	10	A	NI	Needs Improvement
79	Tapariyan Chouhan	Palera	Tikamgarh	10	A	A	Adequate
80	Teharka	Niwari	Niwari	10	A	A	Adequate
81	Udaya Pura	Palera	Tikamgarh	10	A	A	Adequate

A - Adequate

NI - Needs Improvement

CAR - Consultative Approach Result

SAR - Scheme Awareness Result

## ANNEXURE – III E: MAHARASHTRA

### Extent of Atal Jal in Maharashtra

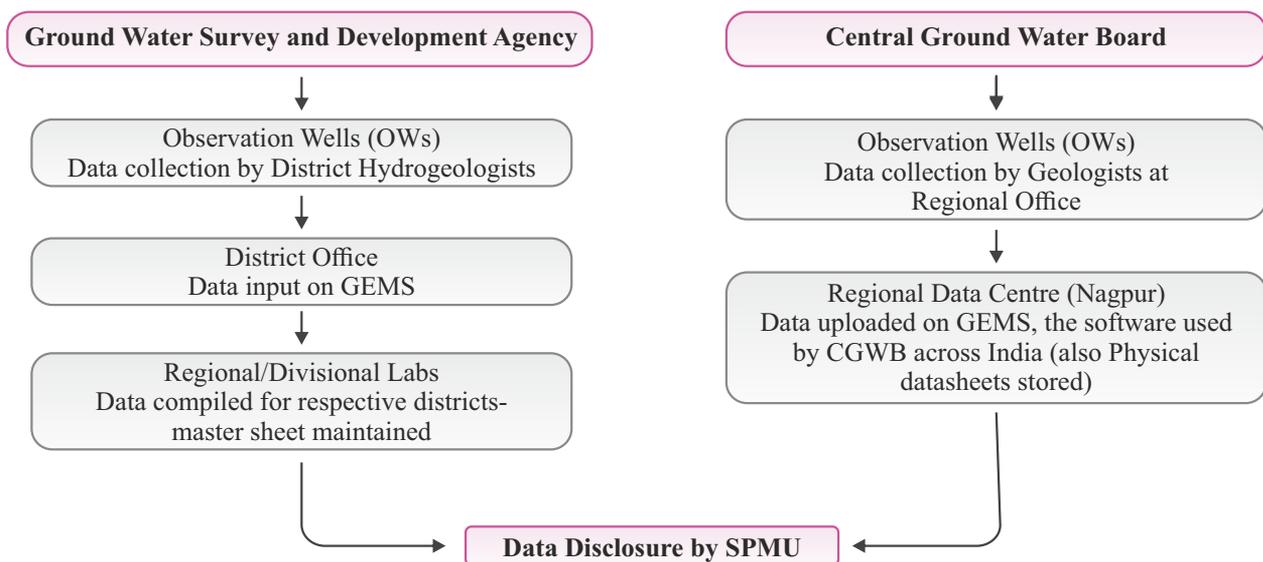
Details of area under Atal Jal	Number
Districts	13
Blocks	38
Gram Panchayats	1339

*Table 9: Details of area of implementation of Atal Jal Yojana in Maharashtra*

**Implementing Agency:** Water Supply & Sanitation Department, Maharashtra

**Agencies sharing data:** CGWB, Ground Water Survey and Development Agency

### Methodology of Water Level Data Collection and Compilation in Maharashtra



*Figure 9: Water Level Data Flow in Ground Water Survey and Development Agency and CGWB, Maharashtra*

## Water Level Data Verification in Maharashtra

Successful Occurrence for 2021	MAHARASHTRA
ANALYSIS	Total Number of OWs
Number of wells as per MIS	3610
Number of wells for which data is inspected by QCI	3610
Number of wells qualified as per verification protocol	0
Number of wells for which original records are to be verified	0
Data points to be verified (With Longitude and Latitude)	0
Actual Data Points to be Verified (Based on Sample)	0
Data Points verified through Digital Source (i)	0
Data Points verified through Physical Source (ii)	0
Total Number of Discrepancies (Digital Source)	0
Total Number of Discrepancies (Physical Source)	0
Actual Data Points Verified (i+ii)	0
Total number of discrepancies observed in water level data as a percentage of total data points verified	0.00%
Overall percentage of discrepancies in WL data	0.00%
Overall percentage of accuracy in WL data	0.00%
<b>Successful Occurrences</b>	<b>0.00</b>

**Methodology of Water Quality Data Collection and Compilation in Maharashtra**

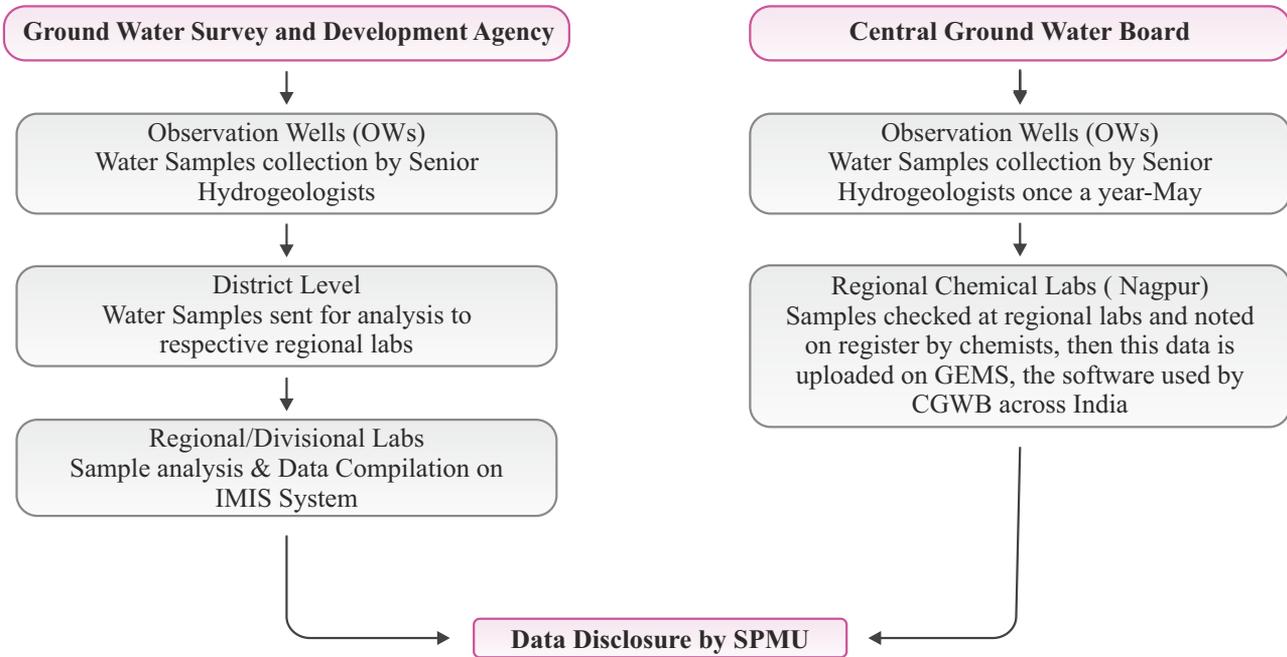


Figure 10: Water Quality Data Flow in GSDA and CGWB, Maharashtra

**Water Quality Data Verification in Maharashtra**

Successful Occurrence for 2021	MAHARASHTRA	
	Ground Water Survey & Development Agency	Central Ground Water Board
ANALYSIS		
Number of wells as per MIS	*	*
Number of wells for which data is inspected by QCI	*	*
Number of wells qualified as per verification protocol	*	*

"" : Verification not done

## Hydrogeological Reports Assessment

CATEGORIZATION	MAHARASHTRA
<b>Update Categorization</b>	
Number of blocks for which Hydrogeological reports are "Complete" in 2019	9
Number of blocks for which Hydrogeological reports are "Updated" in 2020	0
Number of blocks for which Hydrogeological reports are "Not Updated" in 2020	0
<b>Successful Occurrence Categorization</b>	
Total Number of Hydrogeological reports disclosed	38
Number of blocks for which Hydrogeological reports are "Complete"	0
Number of blocks for which Hydrogeological reports are "Incomplete"	38

## Report Card – DLI#1 2nd Round of Verification in Maharashtra

<b>Water Level (A)</b>	Total number of wells for which data is available as per verification protocol (at least 8 data points of pre-monsoon and post-monsoon data between 2015-19, and 2 data points of pre-monsoon and post-monsoon data for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Water Quality (B)</b>	Total number of wells for which data is available as per verification protocol (at least 3 year data for at least 3 ions + EC/TDS for 3 years is available between 2015-2019 and data points of pH, EC/TDS and 10 ions for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{100 - (\text{Percentage of discrepancies in water quality data})\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Hydrogeological Reports (C)</b>	Total number of blocks for which Hydrogeological report is disclosed = 38
	<b>Total number of blocks that achieved completion of Hydrogeological report = 0</b>
<b>Successful Occurrences (A+B+C)</b>	<b>0</b>

*NA: The particular parameter did not meet the qualifying criteria of verification protocol*

## Report Card – DLI#2 1st Round of Verification in Maharashtra

WATER SECURITY PLAN		MAHARASHTRA
Total no. of WSPs Submitted		277
WSPs sampled for field verification		64
WSPs found 'Adequate' for Community Participation assessment		53

## GP wise results for Community Participation Assessment

S No.	Gram Panchayat	Block	District	No. of Respondents	SAR	CAR	GP Aggregate Result
1	Ambada(Sonak)	Katol	Nagpur	9	A	A	Adequate
2	Asale	Wai	Satara	10	A	NI	Needs Improvement
3	Ashti Grampanchayat	Mohol	Solapur	10	A	A	Adequate
4	Avha Yunuspur	Motala	Buldhana	9	A	NI	Needs Improvement
5	Bamhanda	Motala	Buldhana	10	A	A	Adequate
6	Bhishnur	Narkhed	Nagpur	9	A	A	Adequate
7	Bhoslewadi	Purandhar	Pune	10	A	A	Adequate
8	Bolegaon	Chakur	Latur	10	A	A	Adequate
9	Bor Ranjani	Ghansavangi	Jalna	10	A	A	Adequate
10	Bukanwadi	Osmanabad	Osmanabad	10	A	A	Adequate
11	Chikhali(Ma)	Katol	Nagpur	9	A	NI	Needs Improvement
12	Chincholi Bal-lalanath	Latur	Latur	10	A	A	Adequate
13	Darjiborgaon	Renapur	Latur	7	A	A	Adequate
14	Deodi	Mohol	Solapur	10	A	A	Adequate
15	Dhoki	Latur	Latur	10	A	A	Adequate

16	Dubere	Sinnar	Nashik	10	A	A	Adequate
17	Galwade Bk	Amalner	Jalgaon	12	A	A	Adequate
18	Ganeshpur	Morshi	Amravati	8	A	A	Adequate
19	Gavhankund	Warud	Amravati	6	A	NI	Needs Improvement
20	Gurhal	Nilanga	Latur	10	A	A	Adequate
21	Hatadi	Ghansavangi	Jalna	10	A	A	Adequate
22	Hivare	Mohol	Solapur	10	A	A	Adequate
23	Indrapimpri	Amalner	Jalgaon	9	A	A	Adequate
24	Jahagirpur	Motala	Buldhana	7	A	A	Adequate
25	Junona Fuke	Narkhed	Nagpur	9	A	NI	Needs Improvement
26	Kadegaon	Wai	Satara	7	A	NI	Needs Improvement
27	Karhati	Baramati	Pune	10	A	A	Adequate
28	Kasarkheda	Latur	Latur	10	A	A	Adequate
29	Kharatvadi	Pandharpur	Solapur	10	A	A	Adequate
30	Khedi	Motala	Buldhana	10	A	A	Adequate
31	Kini	Osmanabad	Osmanabad	10	A	A	Adequate
32	Kolhi Gavli	Motala	Buldhana	10	A	A	Adequate
33	Kondhasaoli	Katol	Nagpur	9	A	A	Adequate
34	Londhewadi	Madha	Solapur	10	A	A	Adequate
35	Malegaon(Je)	Nilanga	Latur	10	A	A	Adequate
36	Mandve	Khatav	Satara	10	A	NI	Needs Improvement
37	Maujpuri	Jalna	Jalna	10	A	A	Adequate
38	Murti	Motala	Buldhana	7	A	NI	Needs Improvement
39	Nandgaon	Karjat	Ahmed-nagar	9	A	A	Adequate
40	Naygaon	Purandhar	Pune	10	A	A	Adequate
41	Pandhurli	Sinnar	Nashik	10	A	A	Adequate
42	Pangra	Ghansavangi	Jalna	10	A	A	Adequate
43	Papari	Mohol	Solapur	10	A	A	Adequate

44	Pathare Kh.	Sinnar	Nashik	10	A	A	Adequate
45	Patole	Sinnar	Nashik	12	A	A	Adequate
46	Pimpalkhuta	Morshi	Amravati	8	A	A	Adequate
47	Pimpri Dukri	Jalna	Jalna	10	A	A	Adequate
48	Posewadi	Khanapur	Sangli	10	A	A	Adequate
49	Rajura	Motala	Buldhana	5	A	NI	Needs Improvement
50	Ram Nagar	Khanapur	Sangli	10	A	A	Adequate
51	Ropale Kh.	Madha	Solapur	10	A	A	Adequate
52	Roshankheda	Warud	Amravati	9	A	A	Adequate
53	Sardawadi	Sinnar	Nashik	12	A	A	Adequate
54	Shendagewadi	Khanapur	Sangli	10	A	A	Adequate
55	Siddhewadi	Mohol	Solapur	10	A	A	Adequate
56	Sumbha	Osmanabad	Osmanabad	10	A	A	Adequate
57	Swarupkhanwadi	Man	Satara	10	A	NI	Needs Improvement
58	Takalgaon	Latur	Latur	10	A	A	Adequate
59	Tehu	Parola	Jalgaon	12	A	A	Adequate
60	Tivghyal	Chakur	Latur	10	A	A	Adequate
61	Umari	Narkhed	Nagpur	6	A	NI	Needs Improvement
62	Uplai Kh	Madha	Solapur	10	A	A	Adequate
63	Vanpuri	Purandhar	Pune	10	A	A	Adequate
64	Yeoti	Osmanabad	Osmanabad	10	A	A	Adequate

A - Adequate

NI - Needs Improvement

CAR - Consultative Approach Result

SAR - Scheme Awareness Result

## ANNEXURE – III F: RAJASTHAN

### Extent of Atal Jal in Rajasthan

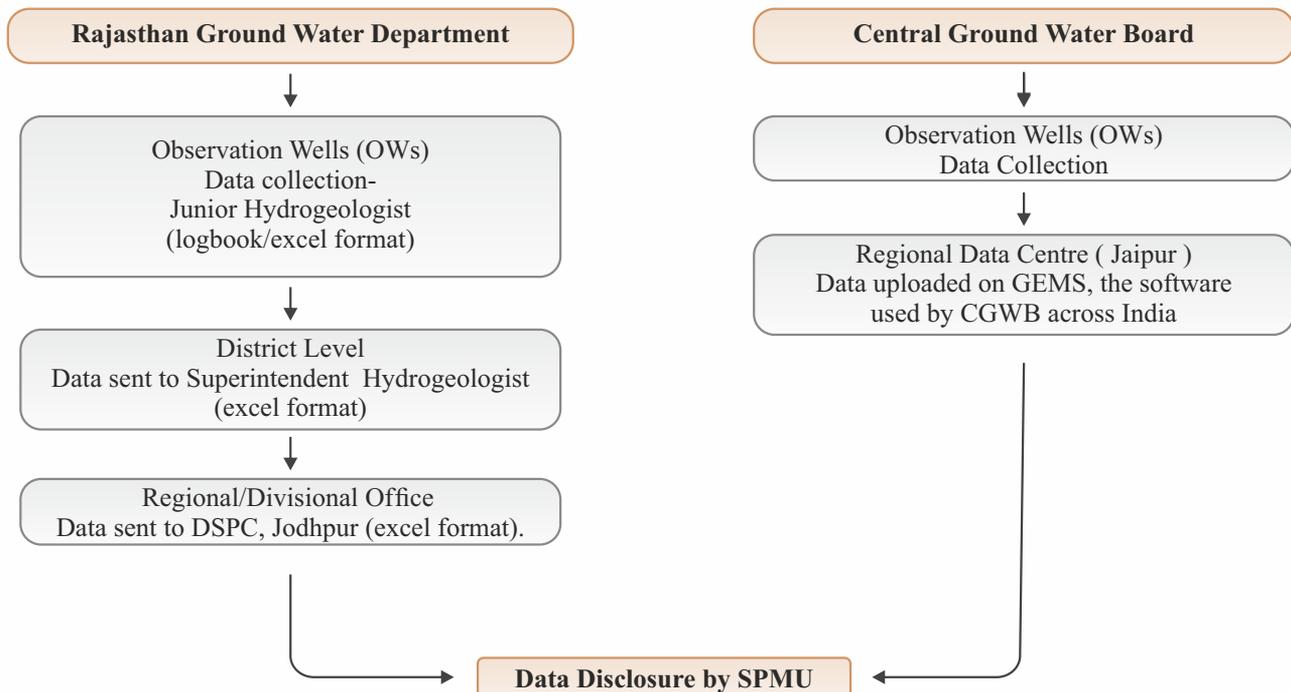
Details of area under Atal Jal	Number
Districts	17
Blocks	38
Gram Panchayats	1144

*Table 10: Details of area of implementation of Atal Jal Yojana in Rajasthan*

**Implementing Agency:** Rajasthan Ground Water Department

**Agencies sharing data:** CGWB, Rajasthan Ground Water Department

### Methodology of Water Level Data Collection and Compilation in Rajasthan



*Figure 11: Water Level Data Flow in Rajasthan Ground Water Department and CGWB, Rajasthan*

## Water Level Data Verification in Rajasthan

### Successful Occurrence for 2021

### RAJASTHAN

ANALYSIS	RAJASTHAN	
	Rajasthan Ground Water Department	Central Ground Water Board
Number of wells as per MIS	725	
Number of wells for which data is inspected by QCI	725	
Number of wells qualified as per verification protocol	144	11
Number of wells for which original records are to be verified	144	11
Data points to be verified (With Longitude and Latitude)	1275	94
Actual Data Points to be Verified (Based on Sample)	1087	70
Data Points verified through Digital Source (i)	955	70
Data Points verified through Physical Source (ii)	0	69
Total Number of Discrepancies (Digital Source)	39	0
Total Number of Discrepancies (Physical Source)	0	0
Actual Data Points Verified (i+ii)	955	139
Total number of discrepancies observed in water level data as a percentage of total data points verified	4.08%	0.00%
Overall percentage of discrepancies in WL data	3.56%	
Overall percentage of accuracy in WL data	96.44%	
<b>Successful Occurrences</b>	<b>149</b>	

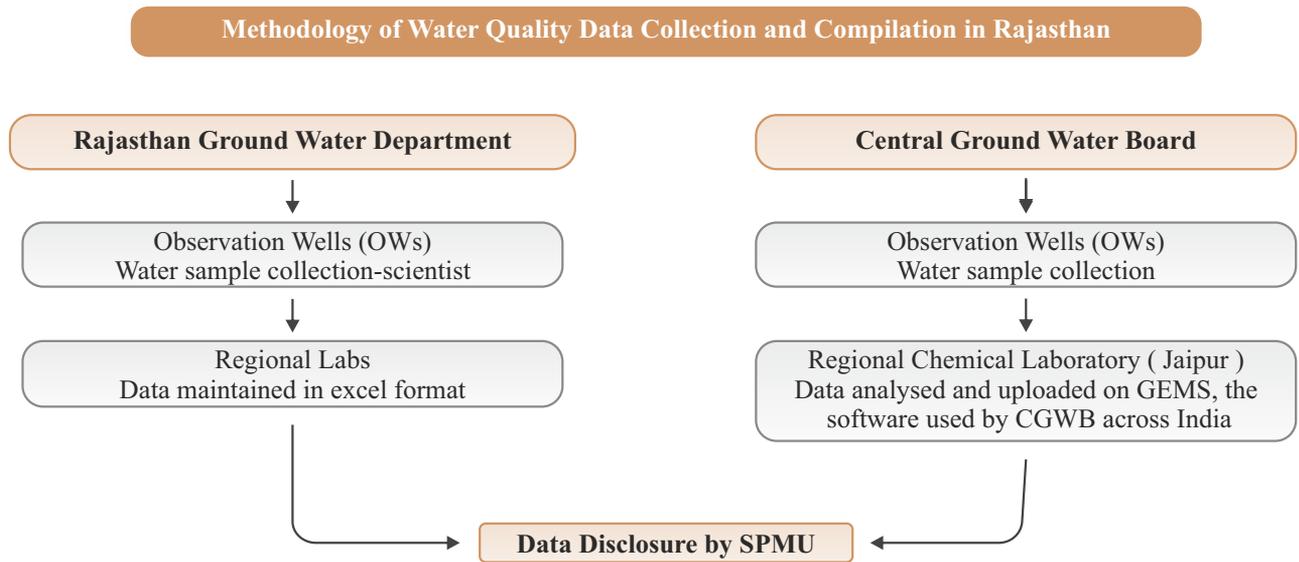


Figure 12: Water Quality Data Flow in Rajasthan Ground Water Department and CGWB, Rajasthan

### Water Quality Data Verification in Rajasthan

Successful Occurrence for 2021	RAJASTHAN
ANALYSIS	Total Number of OWs
Number of wells as per MIS	674
Number of wells for which data is inspected by QCI	674
Number of wells qualified as per verification protocol	0

## Hydrogeological Reports Assessment

CATEGORIZATION	RAJASTHAN
<b>Update Categorization</b>	
Number of blocks for which Hydrogeological reports are "Complete" in 2019	0
Number of blocks for which Hydrogeological reports are "Updated" in 2020	0
Number of blocks for which Hydrogeological reports are "Not Updated" in 2020	0
<b>Successful Occurrence Categorization</b>	
Total Number of Hydrogeological reports disclosed	37
Number of blocks for which Hydrogeological reports are "Complete"	30
Number of blocks for which Hydrogeological reports are "Incomplete"	7

## Report Card – DLI#1 Second Round of Verification in Rajasthan

<b>Water Level (A)</b>	Total number of wells for which data is available as per verification protocol (at least 8 data points of pre-monsoon and post-monsoon data between 2015-19, and 2 data points of pre-monsoon and post-monsoon data for the year 2020) = <b>155 wells</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> = $\{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (3.56/100)) \times (155)$ = <b>149 wells</b>
<b>Water Quality (B)</b>	Total number of wells for which data is available as per verification protocol (at least 3 year data for at least 3 ions + EC/TDS for 3 years is available between 2015-2019 and data points of pH, EC/TDS and 10 ions for the year 2020 ) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> = $\{100 - (\text{Percentage of discrepancies in water quality data})\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Hydrogeological Reports (C)</b>	Total number of blocks for which Hydrogeological report is disclosed = 37
	<b>Total number of blocks that achieved completion of Hydrogeological report = 30</b>
<b>Successful Occurrences (A+B+C)</b>	<b>179</b>

NA: The particular parameter did not meet the qualifying criteria of verification protocol

## Report Card - DLI#2 1st Round of Verification in Rajasthan

WATER SECURITY PLAN	RAJASTHAN
<b>Total no. of WSPs Submitted</b>	<b>361</b>
<b>WSPs sampled for field verification</b>	<b>75</b>
<b>WSPs found 'Adequate' for Community Participation assessment</b>	<b>27</b>

### GP wise results for Community Participation Assessment

S No.	Gram Panchayat	Block	District	No. of Respondents	SAR	CAR	GP Aggregate Result
1	Agawali	Sikendra	Dausa	10	A	A	Adequate
2	Ajaysar	Ajmer Rural	Ajmer	10	A	NI	Needs Improvement
3	Alooda	Nangal Rajawatan	Dausa	7	A	NI	Needs Improvement
4	Anantpura	Govindgarh	Jaipur	10	A	NI	Needs Improvement
5	Arniya Ghora	Shahpura	Bhilwara	10	A	NI	Needs Improvement
6	Away	Nachna	Jaisalmer	9	A	A	Adequate
7	Badlya	Ajmer Rural	Ajmer	10	A	NI	Needs Improvement
8	Badoda Gaon	Jaisalmer	Jaisalmer	10	A	A	Adequate
9	Bagwada	Amber	Jaipur	8	NI	NI	Needs Improvement
10	Baloo Pura	Patan	Sikar	16	NI	NI	Needs Improvement
11	Balriya	Chauth Ka Barwara	Sawai Madhopur	11	A	NI	Needs Improvement
12	Bashir	Tibbi	Hanumanagarh	5	A	NI	Needs Improvement
13	Beelwa	Khetri	Jhunjhunu	10	NI	NI	Needs Improvement
14	Bhadlao	Sawai Madhopur	Sawai Madhopur	4	NI	NI	Needs Improvement

15	Bhagwanpura	Khanpur	Jhalawar	6	A	NI	Needs Improvement
16	Bhango	Hindaun	Karauli	13	A	A	Adequate
17	Bhedola	Chauth Ka Barwara	Sawai Madhopur	13	NI	NI	Needs Improvement
18	Bhukarwali	Hindaun	Karauli	9	A	A	Adequate
19	Bhunna Wali Dhani	Hanuman-garh	Hanuman-garh	10	A	A	Adequate
20	Binol	Rajsamand	Rajsamand	10	A	A	Adequate
21	Boodthal	Jalsu	Jaipur	10	A	NI	Needs Improvement
22	Borina Kalan	Sangod	Kota	6	A	NI	Needs Improvement
23	Bothpura	Dhaulpur	Dhaulpur	10	A	NI	Needs Improvement
24	Bretha	Dhaulpur	Dhaulpur	10	A	NI	Needs Improvement
25	Chardana	Atru	Baran	10	A	A	Adequate
26	Chayan	Nachna	Jaisalmer	5	A	A	Adequate
27	Chhaprari	Amber	Jaipur	8	A	NI	Needs Improvement
28	Chitara	Khandar	Sawai Madhopur	10	NI	NI	Needs Improvement
29	Dara	Atru	Baran	7	NI	NI	Needs Improvement
30	Dayal Ki Nangal	Neem Ka Thana	Sikar	10	A	A	Adequate
31	Deva	Mohangarh	Jaisalmer	7	A	NI	Needs Improvement
32	Dilwara	Srinagar	Ajmer	15	A	NI	Needs Improvement
33	Dolika	Sikandra	Dausa	10	A	A	Adequate
34	Eitmariya	Shahpura	Bhilwara	10	A	NI	Needs Improvement
35	Fatehgarh	Hanuman-garh	Hanuman-garh	5	NI	NI	Needs Improvement
36	Gadarwara Noorji	Khanpur	Jhalawar	9	A	NI	Needs Improvement
37	Ganeshwar	Neem Ka Thana	Sikar	13	A	A	Adequate
38	Ghosunda	Chittaurgarh	Chittaurgarh	8	A	A	Adequate

39	Gunsar	Shree Mahaveer Ji	Karauli	15	NI	NI	Needs Improvement
40	Hadota	Govindgarh	Jaipur	10	A	A	Adequate
41	Hapawas	Nangal Rajawatan	Dausa	9	A	A	Adequate
42	Kanod	Mohangarh	Jaisalmer	7	A	A	Adequate
43	Kanpura	Srinagar	Ajmer	13	A	NI	Needs Improvement
44	Khanpura	Lawan	Dausa	14	A	A	Adequate
45	Kharkhara	Khetri	Jhunjhunu	9	NI	NI	Needs Improvement
46	Khatkar	Ajeetgarh	Sikar	10	NI	NI	Needs Improvement
47	Khera (Dhaulpur)	Dhaulpur	Dhaulpur	10	A	NI	Needs Improvement
48	Khora Shyamdas	Jalsu	Jaipur	10	A	NI	Needs Improvement
49	Khorabeesal	Jalsu	Jaipur	10	A	A	Adequate
50	Kotra	Dhaulpur	Dhaulpur	9	A	NI	Needs Improvement
51	Kundanpur	Sangod	Kota	5	NI	NI	Needs Improvement
52	Lahasoda	Khandar	Sawai Madhopur	7	NI	NI	Needs Improvement
53	Loharwara	Srinagar	Ajmer	14	A	NI	Needs Improvement
54	Lotwara	Baijupada	Dausa	10	A	A	Adequate
55	Mahawa	Neem Ka Thana	Sikar	9	A	A	Adequate
56	Malarampura	Sangariya	Hanumanagarh	10	A	A	Adequate
57	Malwas	Nangal Rajawatan	Dausa	7	A	NI	Needs Improvement
58	Mandau	Mohangarh	Jaisalmer	8	A	A	Adequate
59	Manpuriya	Nangal Rajawatan	Dausa	8	NI	NI	Needs Improvement
60	Meenapara	Baijupada	Dausa	13	A	A	Adequate
61	Motiwara	Rajgarh	Alwar	7	NI	NI	Needs Improvement
62	Nagarana	Sangariya	Hanumanagarh	5	NI	A	Needs Improvement

63	Nangal Bharda	Govindgarh	Jaipur	10	A	NI	Needs Improvement
64	Nathalwara	Rajgarh	Alwar	9	A	A	Adequate
65	Panche Ka Tala	Nachna	Jaisalmer	7	NI	NI	Needs Improvement
66	Patna	Atru	Baran	8	A	NI	Needs Improvement
67	Peepli Acharayan	Rajsamand	Rajsamand	13	A	NI	Needs Improvement
68	Phoonsra	Baran	Baran	9	A	NI	Needs Improvement
69	Ralawata	Dausa	Dausa	10	A	A	Adequate
70	Rasoolpura	Ajmer Rural	Ajmer	10	A	NI	Needs Improvement
71	Sahnawa	Chittaurgarh	Chittaurgarh	11	A	A	Adequate
72	Shree Mahaveer Ji	Shree Mahaveer Ji	Karauli	12	A	A	Adequate
73	Shyalodara	Patan	Sikar	10	NI	NI	Needs Improvement
74	Silwala Khurd	Tibbi	Hanumanagarh	10	A	NI	Needs Improvement
75	Tapur	Chauth Ka Barwara	Sawai Madhopur	8	NI	NI	Needs Improvement

A - Adequate

NI - Needs Improvement

CAR - Consultative Approach Result

SAR - Scheme Awareness Result

## ANNEXURE – III G: UTTAR PRADESH

### Extent of Atal Jal in Uttar Pradesh

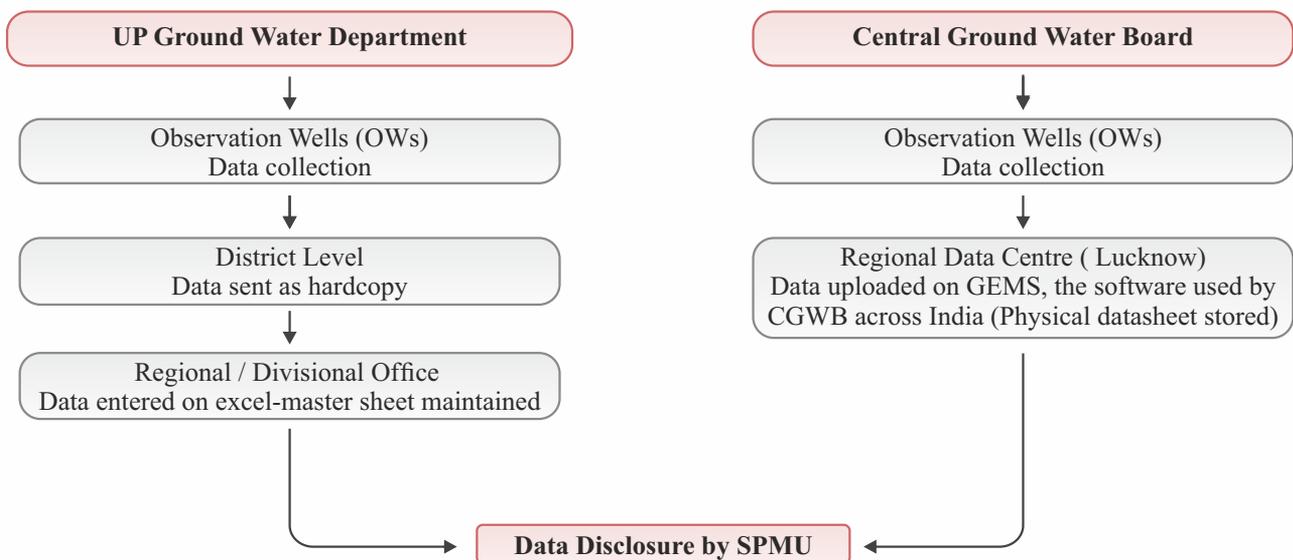
Details of area under Atal Jal	Number
Districts	10
Blocks	26
Gram Panchayats	550

*Table 11: Details of area of implementation of Atal Jal Yojana in Uttar Pradesh*

**Implementing Agency:** UP Ground Water Department

**Agencies sharing data:** CGWB, UP Ground Water Department, UP Jal Nigam (WQ Only)

### Methodology of Water Level Data Collection and Compilation in Uttar Pradesh



*Figure 13: Water Level Data Flow in Uttar Pradesh Ground Water Department and CGWB, Uttar Pradesh*

## Water Level Data Verification in Uttar Pradesh

### Successful Occurrence for 2021

### UTTAR PRADESH

ANALYSIS	Total Number of OWs Well
Number of wells as per MIS	394
Number of wells for which data is inspected by QCI	394
Number of wells qualified as per verification protocol	0
Number of wells for which original records are to be verified	0
Data points to be verified (With Longitude and Latitude)	0
Actual Data Points to be Verified (Based on Sample)	0
Data Points verified through Digital Source (i)	0
Data Points verified through Physical Source (ii)	0
Total Number of Discrepancies (Digital Source)	0
Total Number of Discrepancies (Physical Source)	0
Actual Data Points Verified (i+ii)	0
Total number of discrepancies observed in water level data as a percentage of total data points verified	0.00%
Overall percentage of discrepancies in WL data	0.00%
Overall percentage of accuracy in WL data	0.00%
<b>Successful Occurrences</b>	<b>0.00</b>

**Methodology of Water Quality Data Collection and Compilation in Uttar Pradesh**

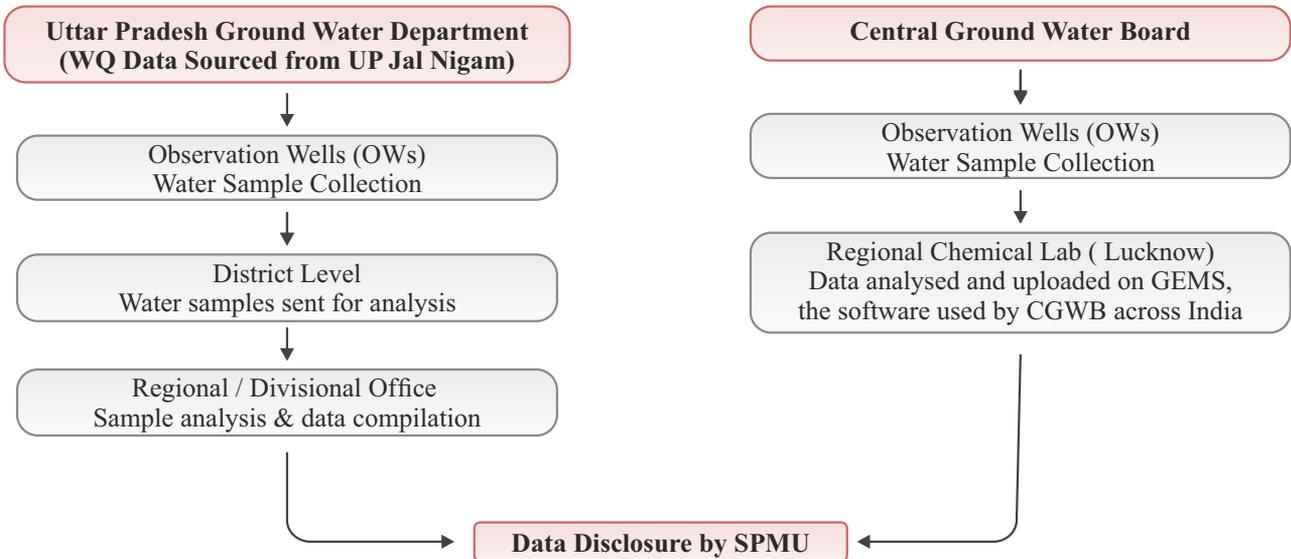


Figure 14: Water Quality Data Flow in Uttar Pradesh Ground Water Department and CGWB, Uttar Pradesh

**Water Quality Data Verification in Uttar Pradesh**

Successful Occurrence for 2021	UTTAR PRADESH	
	Uttar Pradesh Ground Water Department	Central Ground Water Board
ANALYSIS		
Number of wells as per MIS	-	-
Number of wells for which data is inspected by QCI	-	-
Number of wells qualified as per verification protocol	-	-

"-" : Data not received

## Hydrogeological Reports Assessment

CATEGORIZATION	UTTAR PRADESH
<b>Update Categorization</b>	
Number of blocks for which Hydrogeological reports are "Complete" in 2019	0
Number of blocks for which Hydrogeological reports are "Updated" in 2020	0
Number of blocks for which Hydrogeological reports are "Not Updated" in 2020	0
<b>Successful Occurrence Categorization</b>	
Total Number of Hydrogeological reports disclosed	26
Number of blocks for which Hydrogeological reports are "Complete"	0
Number of blocks for which Hydrogeological reports are "Incomplete"	26

## Report Card – DLI#1 2nd Round of Verification in Uttar Pradesh

<b>Water Level (A)</b>	Total number of wells for which data is available as per verification protocol (at least 8 data points of pre-monsoon and post-monsoon data between 2015-19, and 2 data points of pre-monsoon and post-monsoon data for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{1 - (\text{Percentage of discrepancies in water level data}) / 100\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Water Quality (B)</b>	Total number of wells for which data is available as per verification protocol (at least 3 year data for at least 3 ions + EC/TDS for 3 years is available between 2015-2019 and data points of pH, EC/TDS and 10 ions for the year 2020) = <b>NA</b>
	<b>Effective number of observation wells for which public disclosure of data is achieved</b> $= \{100 - (\text{Percentage of discrepancies in water quality data})\} \times (\text{Total number of observation wells for which data is available as required}) = (1 - (0/100)) \times (0)$ = <b>NA</b>
<b>Hydrogeological Reports (C)</b>	Total number of blocks for which Hydrogeological report is disclosed = 26
	<b>Total number of blocks that achieved completion of Hydrogeological report = 0</b>
<b>Successful Occurrences (A+B+C)</b>	<b>0</b>

*NA: The particular parameter did not meet the qualifying criteria of verification protocol*

## Report Card – DLI#2 1st Round of Verification in Uttar Pradesh

WATER SECURITY PLAN		UTTAR PRADESH
Total no. of WSPs Submitted		330
WSPs sampled for field verification		68
WSPs found 'Adequate' for Community Participation assessment		38

### GP wise results for Community Participation Assessment

S No.	Gram Panchayat	Block	District	No. of Respondents	SAR	CAR	GP Aggregate Result
1	Aad	Kharkhoda	Meerut	8	A	NI	Needs Improvement
2	Ajrara	Kharkhoda	Meerut	10	A	A	Adequate
3	Atali	Budhana	Muzaffarnagar	5	A	NI	Needs Improvement
4	Atrara	Kharkhoda	Meerut	7	A	A	Adequate
5	Babina Rural	Babina	Jhansi	7	A	NI	Needs Improvement
6	Badhala Kaithwara	Rajpura	Meerut	10	A	A	Adequate
7	Bahramgarh	Budhana	Muzaffarnagar	5	NI	NI	Needs Improvement
8	Bamhauri	Mauranipur	Jhansi	7	A	A	Adequate
9	Bapretha	Charkhari	Mahoba	8	A	NI	Needs Improvement
10	Barua	Sumerpur	Hamirpur	8	A	A	Adequate
11	Baukhar	Sarila	Hamirpur	9	A	A	Adequate
12	Bihuni khurd	Muskara	Hamirpur	7	A	A	Adequate
13	Bijauri	Jaitpur	Mahoba	8	A	NI	Needs Improvement
14	Bijoli Nityanandpur	Kharkhoda	Meerut	3	A	A	Adequate

15	Biral	Budhana	Muzaffar-nagar	5	A	NI	Needs Improvement
16	Chand Purwa Buzurg	Sumerpur	Hamirpur	10	A	A	Adequate
17	Chitara Gakulpur	Karvi	Chitrakoot	6	A	A	Adequate
18	Faizpur Ninana	Baghpat	Baghpat	5	A	NI	Needs Improvement
19	Ghatlahchura	Mauranipur	Jhansi	6	A	A	Adequate
20	Giduraha	Manikpur	Chitrakoot	3	A	A	Adequate
21	Gurdaha	Maudaha	Hamirpur	9	A	A	Adequate
22	Hisawada	Pilana	Baghpat	5	A	A	Adequate
23	Hurmazpur	Kandhala	Shamli	5	A	NI	Needs Improvement
24	Jamalpur	Talbehat	Lalitpur	8	A	NI	Needs Improvement
25	Jarauli	Charkhari	Mahoba	9	A	A	Adequate
26	Jaula	Budhana	Muzaffar-nagar	5	A	NI	Needs Improvement
27	Jitakiri Danda	Sarila	Hamirpur	6	A	NI	Needs Improvement
28	Kaharka	Pilana	Baghpat	9	A	A	Adequate
29	Kamalpura	Jaitpur	Mahoba	7	A	A	Adequate
30	Kandhari Kalan	Talbehat	Lalitpur	8	NI	A	Needs Improvement
31	Khapatiha	Mau	Chitrakoot	9	A	A	Adequate
32	Kharka	Kabrai	Mahoba	8	A	A	Adequate
33	Kharkhauda	Kharkhoda	Meerut	10	A	A	Adequate
34	Khatawara	Ramnagar	Chitrakoot	6	A	A	Adequate
35	Kheri Gani	Budhana	Muzaffar-nagar	8	NI	NI	Needs Improvement
36	Lama	Barokhar khurd	Banda	6	A	A	Adequate
37	Makarandpur Ogti	Pilana	Baghpat	7	A	A	Adequate
38	Makrown	Maudaha	Hamirpur	5	A	A	Adequate
39	Matanat nagar	Pilana	Baghpat	5	NI	NI	Needs Improvement
40	Mauhari	Jaitpur	Mahoba	10	A	A	Adequate

41	Mudhari	Jaitpur	Mahoba	9	A	NI	Needs Improvement
42	Nagla Kaboolpur	Kharkhoda	Meerut	11	A	A	Adequate
43	Nahari	Naraini	Banda	4	A	NI	Needs Improvement
44	Nanaora	Kabrai	Mahoba	10	A	NI	Needs Improvement
45	Pachanehi	Barokhar khurd	Banda	8	A	A	Adequate
46	Paharpur	Mahua	Banda	7	A	A	Adequate
47	Panwari	Panwari	Mahoba	6	A	A	Adequate
48	Pipraunda	Maudaha	Hamirpur	1	NI	NI	Needs Improvement
49	Poother	Pilana	Baghpat	6	NI	A	Needs Improvement
50	Punawali kalan	Babina	Jhansi	7	A	NI	Needs Improvement
51	Pura Kalan	Talbehat	Lalitpur	7	NI	NI	Needs Improvement
52	Ragauli	Ramnagar	Chitrakoot	7	A	A	Adequate
53	Rajpur Khampur	Baghpat	Baghpat	8	A	A	Adequate
54	Rampur Aterna	Budhana	Muzaffarnagar	6	A	NI	Needs Improvement
55	Rampur Kheri	Kandhala	Shamli	6	A	NI	Needs Improvement
56	Rasulpur Dabheri	Budhana	Muzaffarnagar	5	A	NI	Needs Improvement
57	Salfa	Kandhala	Shamli	7	A	A	Adequate
58	Sameypur	Rajpura	Meerut	9	A	A	Adequate
59	Sijnaura	Maudaha	Hamirpur	8	A	NI	Needs Improvement
60	Singhaoli Ahir	Pilana	Baghpat	7	A	NI	Needs Improvement
61	Sugira	Jaitpur	Mahoba	8	A	A	Adequate
62	Taiya	Panwari	Mahoba	7	A	A	Adequate
63	Teli pahari	Panwari	Mahoba	6	A	NI	Needs Improvement
64	Tikaria Jamuni hai	Manikpur	Chitrakoot	6	A	A	Adequate
65	Tileera	Mauranipur	Jhansi	6	A	A	Adequate

66	Tyodhi	Baghpat	Baghpat	7	NI	NI	Needs Improvement
67	Ugarpur	Talbehat	Lalitpur	8	A	A	Adequate
68	Valli	Budhana	Muzaffar-nagar	4	A	NI	Needs Improvement

A - Adequate

NI - Needs Improvement

CAR - Consultative Approach Result

SAR - Scheme Awareness Result

## ANNEXURE IV: HYDROGEOLOGICAL REPORT & RESULTS

### ANNEXURE-IVA: REPORT TEMPLATE

#### Basic Information

Parameter Score: ( \_\_/5)

All the 10 sub-parameters carry a score of 0.5 each, based on whether they are complete or not

S No.	Sub-parameter	Details
1.	General Information	Information related to the block population, type of soil, number of Gram Panchayats, villages and towns, rainfall and river basin
2.	Land Use	Information related to forested area, net sown, cultivable and gross cropped area
3.	Cropping Pattern (as in 2019 - 20)	Information related to major kharif and rabi crops grown in the kharif and rabi seasons, summer and perennial seasons
4.	Irrigation Facilities (as in 2019 -20)	Information related to net and gross irrigated area, sources of irrigation
5.	Geology and Hydrogeology	Information related to types of rocks, sand and clay, as well as geological and water bearing formations and aquifer characteristics
6.	Ground Water Conditions	Information related to the number of wells which are monitored for ground water level, monitoring mechanism and frequency, period of data availability, water level and water level fluctuation range of the villages falling in the given block
7.	Ground Water Quality	Information regarding the groundwater status in the given block. It specifies the parameters for which the block groundwater is monitored, the period of monitoring and frequency of the same, as well as the number of wells which are monitored and whether they fall under SGWD or CGWB. Moreover, it gives the information regarding the major problems related to groundwater quality in the area
8.	Ground Water Resources	Information related to the state of groundwater availability in the block and extent of exploitation. It provides statistical information related to annual groundwater extraction in ha.m and percentage of extraction (which reflects the extent of exploitation)
9.	Water-Related Schemes	Central and State government water related schemes which are applicable in the block
10.	Ground Water-Related Issues	Issues related to water availability and quality

**Maps****Parameter Score: ( \_\_/9)**

The parameter of Maps is related to representation of various themes as given below:

**All the 6 sub-parameters carry a score of 1.5 each, based on whether they are complete or not**

S No.	Details
11	Location map of the Block/Taluk
12	Hydrogeological map of the Block/Taluk
13	Locations of observation wells for monitoring water levels and water quality
14	Map showing distribution of WL (m.bgl) for Pre-monsoon period
15	Map showing distribution of WL (m.bgl) for Post-monsoon period
16	Map showing distribution of EC ( $\mu$ S/cm at 25 °C) in ground water
17	Map showing Cross-section of subsurface regionalized aquifer groups (Optional)

**Tables****Parameter Score: ( \_\_/6)**

**All the 3 sub-parameters carry a score of 2 each, based on whether they are available or not**

S. No.	Sub-parameter	Details
18	Basic data of observation wells for monitoring water level and water quality as submitted in the MIS	Information of wells in terms of <ol style="list-style-type: none"> <li>Well IDs, Village Names, Site Names and GP.</li> <li>Location of wells with the help of latitude and longitude.</li> <li>Purpose of monitoring of wells (Water Level and/or Water Quality)</li> </ol>
19	Historical data of water level in observation wells for the last 5 years or from the year of establishment as submitted in the MIS	Data related to historical pre-monsoon and post-monsoon water level data of these wells between the years 2015 and 2020
20	Historical data of ground water quality (pH, EC, TDS, important cations & anions) as submitted in the MIS	Historical water quality data of these wells between the years 2015 and 2020 related to: <ol style="list-style-type: none"> <li>pH, EC/TDS data for 6 years</li> <li>Anion and Cation concentration data for the years 2015-2020: Ca, Mg, Na, K, HCO<sub>3</sub>, Cl, SO<sub>4</sub>, NO<sub>3</sub>, F, CO<sub>3</sub></li> </ol>

### ANNEXURE-IVB: BLOCK-WISE RESULTS OF ASSESSMENT

S.no	State	Block	Total Score	Status
1	Haryana	Ateli Nangal	14	Incomplete
2	Haryana	Badhra	14	Incomplete
3	Haryana	Ballabgarh	14	Incomplete
4	Haryana	Bapoli	14	Incomplete
5	Haryana	Behal	14	Incomplete
6	Haryana	Ellenabad	14	Incomplete
7	Haryana	Faridabad	14	Incomplete
8	Haryana	Farrukh Nagar	14	Incomplete
9	Haryana	Guhla	13.5	Incomplete
10	Haryana	Gurgaon	14	Incomplete
11	Haryana	Hassanpur	14	Incomplete
12	Haryana	Hathin	14	Incomplete
13	Haryana	Hodal	14	Incomplete
14	Haryana	Jagadhri	12.5	Incomplete
15	Haryana	Kairu	14	Incomplete
16	Haryana	Kanina	14	Incomplete
17	Haryana	Karnal	12.5	Incomplete
18	Haryana	Khol At Rewari	14	Incomplete
19	Haryana	Ladwa	13.5	Incomplete
20	Haryana	Loharu	14	Incomplete
21	Haryana	Mahendragarh	14	Incomplete
22	Haryana	Mustafabad	14	Incomplete
23	Haryana	Nagal Chaudhary	14	Incomplete
24	Haryana	Narnaul	14	Incomplete
25	Haryana	Palwal	14	Incomplete
26	Haryana	Pataudi	14	Incomplete
27	Haryana	Pehwa	14	Incomplete
28	Haryana	Radour	14	Incomplete
29	Haryana	Rajaund	14	Incomplete
30	Haryana	Rania	14	Incomplete
31	Haryana	Sadaura (Part)	14	Incomplete
32	Haryana	Samalkha	12.5	Incomplete

33	Haryana	Shahbad	13.5	Incomplete
34	Haryana	Sohna	12.5	Incomplete
35	Haryana	Tohana	14	Incomplete
36	Haryana	Tosham	14	Incomplete
37	Karnataka	Arsikere	18	Incomplete
38	Karnataka	Athani	18	Incomplete
39	Karnataka	Badami	16	Incomplete
40	Karnataka	Bagalkote	18	Incomplete
41	Karnataka	Bagepalli	18	Incomplete
42	Karnataka	Bangerpete	16	Incomplete
43	Karnataka	Challakere	18	Incomplete
44	Karnataka	Channagiri	18	Incomplete
45	Karnataka	Chikkaballapura	18	Incomplete
46	Karnataka	Chikkanayakannahalli	18	Incomplete
47	Karnataka	Chintamani	18	Incomplete
48	Karnataka	Chitradurga	18	Incomplete
49	Karnataka	Devanahalli	18	Incomplete
50	Karnataka	Doddaballapura	18	Incomplete
51	Karnataka	Gadag	18	Incomplete
52	Karnataka	Goudibande	16	Incomplete
53	Karnataka	Gouribidanur	18	Incomplete
54	Karnataka	Gundlupete	18	Incomplete
55	Karnataka	Hagaribomanahalli	18	Incomplete
56	Karnataka	Harapanahalli	18	Incomplete
57	Karnataka	Hiriyur	18	Incomplete
58	Karnataka	Holalkere	18	Incomplete
59	Karnataka	Hosadurga	18	Incomplete
60	Karnataka	Hoskote	18	Incomplete
61	Karnataka	Jagaluru	18	Incomplete
62	Karnataka	Kadur	18	Incomplete
63	Karnataka	Kanakapura	18	Incomplete
64	Karnataka	Kolar	16	Incomplete
65	Karnataka	Kortagere	16	Incomplete
66	Karnataka	Madhugiri	14	Incomplete
67	Karnataka	Malur	16	Incomplete
68	Karnataka	Mulabagilu	16	Incomplete
69	Karnataka	Neelamangala	18	Incomplete
70	Karnataka	Ramdurga	18	Incomplete
71	Karnataka	Ramnagara	14	Incomplete
72	Karnataka	Ron	18	Incomplete

73	Karnataka	Sidlaghatta	18	Incomplete
74	Karnataka	Sira	18	Incomplete
75	Karnataka	Srinivaspura	16	Incomplete
76	Karnataka	Tiptur	18	Incomplete
77	Karnataka	Tumakurur	18	Incomplete
78	Madhya Pradesh	Ajaygarh	18	Incomplete
79	Madhya Pradesh	Baldevgarh	18	Incomplete
80	Madhya Pradesh	Chhatarpur	18	Incomplete
81	Madhya Pradesh	Niwari	18	Incomplete
82	Madhya Pradesh	Naugaon	18	Incomplete
83	Madhya Pradesh	Palera	18	Incomplete
84	Madhya Pradesh	Pathariya	18	Incomplete
85	Madhya Pradesh	Rajnagar	18	Incomplete
86	Madhya Pradesh	Sagar	18	Incomplete
87	Maharashtra	Amalner	13.5	Incomplete
88	Maharashtra	Baramati	16	Incomplete
89	Maharashtra	Chakur	18	Incomplete
90	Maharashtra	Chandur Bazar	14	Incomplete
91	Maharashtra	Deola	18	Incomplete
92	Maharashtra	Ghansawangi	16	Incomplete
93	Maharashtra	Indapur	14.5	Incomplete
94	Maharashtra	Jalna	18	Incomplete
95	Maharashtra	Jat	16	Incomplete
96	Maharashtra	Karjat	16	Incomplete
97	Maharashtra	Katol	16	Incomplete
98	Maharashtra	Kavathe-Mahankal	16	Incomplete
99	Maharashtra	Khanapur	16	Incomplete
100	Maharashtra	Khatav	16	Incomplete
101	Maharashtra	Latur	16	Incomplete
102	Maharashtra	Madha	14.5	Incomplete
103	Maharashtra	Malshiras	18	Incomplete
104	Maharashtra	Man	16	Incomplete
105	Maharashtra	Mohol	16	Incomplete
106	Maharashtra	Morshi	16	Incomplete
107	Maharashtra	Motala	18	Incomplete
108	Maharashtra	Narkhed	16	Incomplete
109	Maharashtra	Nilanga	18	Incomplete
110	Maharashtra	Osmanabad	16	Incomplete
111	Maharashtra	Pandharpur	16	Incomplete
112	Maharashtra	Parola	16	Incomplete

113	Maharashtra	Partur	16	Incomplete
114	Maharashtra	Purandhar	16	Incomplete
115	Maharashtra	Rahata	16	Incomplete
116	Maharashtra	Raver	18	Incomplete
117	Maharashtra	Renapur	14	Incomplete
118	Maharashtra	Sangamner	16	Incomplete
119	Maharashtra	Sinnar	16	Incomplete
120	Maharashtra	Tasgaon	16	Incomplete
121	Maharashtra	Umarga	14.5	Incomplete
122	Maharashtra	Wai	16	Incomplete
123	Maharashtra	Warud	16	Incomplete
124	Maharashtra	Yawal	14	Incomplete
125	Rajasthan	Ajeethgarh	20	Complete
126	Rajasthan	Ajmer Rural	20	Complete
127	Rajasthan	Amer	20	Complete
128	Rajasthan	Atru	20	Complete
129	Rajasthan	Baijupada	20	Complete
130	Rajasthan	Bandikui	20	Complete
131	Rajasthan	Baran	20	Complete
132	Rajasthan	Baswa	20	Complete
133	Rajasthan	Chauth Ka Barwada	18	Incomplete
134	Rajasthan	Chittorgarh	20	Complete
135	Rajasthan	Dausa	20	Complete
136	Rajasthan	Dholpur	20	Complete
137	Rajasthan	Govindgarh	20	Complete
138	Rajasthan	Hindaun	20	Complete
139	Rajasthan	Jaisalmer	18	Incomplete
140	Rajasthan	Jalsu	20	Complete
141	Rajasthan	Khandar	20	Complete
142	Rajasthan	Khanpur	16	Incomplete
143	Rajasthan	Khetri	20	Complete
144	Rajasthan	Lawan	20	Complete
145	Rajasthan	Mohangarh	16	Incomplete
146	Rajasthan	Nachana	20	Complete
147	Rajasthan	Nangal Rajawatan	20	Complete
148	Rajasthan	Neem Ka Thana	20	Complete
149	Rajasthan	Patan	20	Complete
150	Rajasthan	Peesangan	20	Complete
151	Rajasthan	Rajgarh	20	Complete
152	Rajasthan	Rajsamand	20	Complete

153	Rajasthan	Saipu	16	Incomplete
154	Rajasthan	Sangaria	20	Complete
155	Rajasthan	Sangod	20	Complete
156	Rajasthan	Sawai Madhopur	16	Incomplete
157	Rajasthan	Shahpura	20	Complete
158	Rajasthan	Shri Mahaveer	20	Complete
159	Rajasthan	Sikandra	20	Complete
160	Rajasthan	Srinagar	18.5	Incomplete
161	Rajasthan	Tibbi	20	Complete
162	Uttar Pradesh	Babina	16	Incomplete
163	Uttar Pradesh	Baghpat	16	Incomplete
164	Uttar Pradesh	Barokharkhurd	16	Incomplete
165	Uttar Pradesh	Budhana	14.5	Incomplete
166	Uttar Pradesh	Charkhari	16	Incomplete
167	Uttar Pradesh	Jaitpur	16	Incomplete
168	Uttar Pradesh	Jaspura	16	Incomplete
169	Uttar Pradesh	Kabrai	14	Incomplete
170	Uttar Pradesh	Kandhala	14	Incomplete
171	Uttar Pradesh	Karwi	16	Incomplete
172	Uttar Pradesh	Kharkhonda	14	Incomplete
173	Uttar Pradesh	Mahua	16	Incomplete
174	Uttar Pradesh	Manikpur	16	Incomplete
175	Uttar Pradesh	Mau	14	Incomplete
176	Uttar Pradesh	Maudaha	16	Incomplete
177	Uttar Pradesh	Mauranipur	14	Incomplete
178	Uttar Pradesh	Muskara	16	Incomplete
179	Uttar Pradesh	Naraini	16	Incomplete
180	Uttar Pradesh	Panwari	16	Incomplete
181	Uttar Pradesh	Pilana	16	Incomplete
182	Uttar Pradesh	Rajpura	12.5	Incomplete
183	Uttar Pradesh	Ramnagar	14	Incomplete
184	Uttar Pradesh	Sarila	16	Incomplete
185	Uttar Pradesh	Sumerpur	14	Incomplete
186	Uttar Pradesh	Talbehath	16	Incomplete
187	Uttar Pradesh	Tindwari	16	Incomplete

## ANNEXURE-V: TPGVA Recommendations & Observations

### V-A Gujarat

#### DLI#1

- The state is recommended to practice continuous monitoring and maintenance of data both digitally (GWDES) and physically in accordance with the existing protocols and update the Hydrogeological Reports as per the same for the subsequent rounds of verification.

#### DLI#2

- It is recommended to promote female inclusion in Atal Bhujal Yojana meetings. Also, lay

emphasis on IEC activities at GP level to spread awareness about the scheme including the technical aspect such as water conservation/saving techniques, etc. With respect to the documentation of DLI#2, It is also recommended to maintain all possible documents such as records of MoMs of meetings related to the scheme held in the gram panchayats at both the level i.e., at the District and the Gram Panchayat level.

### V-B Haryana

#### DLI#1

- The state is recommended to practice continuous monitoring and maintenance of data both digitally and physically in accordance with the existing protocols, for this round of verification, the coordinates of the disclosed wells were not found in the source documents and for water quality Electrical Conductivity and ions such as Na, K, HCO<sub>3</sub> were not found in the source documents.

#### DLI#2

- It is recommended to increase Women's Participation by practicing female inclusion in the Atal Bhujal Yojana meetings. A streamlined communication channel across the district, block and GP level is recommended to make the process information sharing, document collection and community mobilization more efficient.

**V-C Karnataka**
**DLI#1**

- It is recommended for the state to practice continuous monitoring and maintenance of data and update the 2020 data for water quality in the Hydrogeological Reports as per the existing protocols. Water level and Water quality data should be checked on different levels by DPMU, SPMU and NPMU to ensure elimination of any type of data discrepancy and maintain quality of documentation.

**DLI#2**

- It is recommended for the state to continue its practice of emphasizing upon IEC activities at the Gram Panchayat level to further spread awareness about the scheme.

**V-D Madhya Pradesh**
**DLI#1**

- The state is recommended to practice continuous monitoring and maintenance of data both digitally and physically in accordance with the existing protocols, for this round of verification, it was observed that only 8 out of 10 ions under Water Quality were updated.

**DLI#2**

- It is recommended to increase Women's Participation by practicing female inclusion in the

Atal Bhujal Yojana meetings. It is recommended to promote female inclusion in Atal Bhujal Yojana meetings. Also, lay emphasis on IEC activities at GP level to spread awareness about the scheme including the technical aspects such as water conservation/saving techniques, etc. Increased awareness and familiarity with the scheme would also ease the process of community mobilization during meetings and verification.

**V-E Maharashtra**
**DLI#1**

- It is recommended for the state to practice continuous monitoring and maintenance of data and update the 2020 data for Water Level and Water Quality in the Hydrogeological Reports as per the existing protocols.

**DLI#2**

- Best Practices such as trainings relevant to Atal Bhujal Yojana, Water ATMs, Paani mela etc. should be implemented all over the state to increase the awareness amongst the citizens. Increased awareness and familiarity with the scheme would also ease the process of community mobilization during meetings and verification

**V-F****Rajasthan****DLI#1**

- It is recommended for the state to practice continuous monitoring and maintenance of data and update the 2020 data for water quality as per the existing protocols. Water level and Water quality data should be checked on different levels by DPMU, SPMU and NPMU to ensure elimination of any type of data discrepancy and maintain quality of documentation.

**DLI#2**

- The state is recommended to engage District Implementation Agencies to support the implementation of Atal Bhujal Yojana Scheme and ease the process of Community Mobilization for the meetings related to the scheme. With respect to the documentation of DLI#2, It is also recommended to maintain all possible documents such as records of MoMs of meetings related to the scheme held in the gram panchayats at both the level i.e., at the District and the Gram Panchayat level.

**V-G****Uttar Pradesh****DLI#1**

- It is recommended for the state to practice continuous monitoring and maintenance of data and update the 2020 data for water quality as per the existing protocols. Hydrogeological reports should also be updated accordingly in subsequent rounds of verification.

**DLI#2**

- It is recommended to increase Women's Participation by practicing female inclusion in the Atal Bhujal Yojana meetings. A streamlined

communication channel across the district, block and GP level is recommended to make the process information sharing, document collection and community mobilization more efficient. With respect to the documentation of DLI#2, It is also recommended to maintain all possible documents such as records of MoMs of meetings related to the scheme held in the gram panchayats at both the level i.e., at the District and the Gram Panchayat level.

**ANNEXURE V: EXTENT OF ATAL JAL - BLOCKS**
**Table 12: State-wise list of Blocks under Atal Jal**

S.no	State	District	Block
1	Gujarat	Ahmedabad	Daskroi
2	Gujarat	Banaskantha	Deesa
3	Gujarat	Banaskantha	Deodar
4	Gujarat	Banaskantha	Dhanera
5	Gujarat	Banaskantha	Kankrej
6	Gujarat	Banaskantha	Lakhani
7	Gujarat	Banaskantha	Palanpur
8	Gujarat	Banaskantha	Tharad
9	Gujarat	Banaskantha	Vadgam
10	Gujarat	Gandhinagar	Dehgam
11	Gujarat	Gandhinagar	Gandhinagar
12	Gujarat	Gandhinagar	Kalol
13	Gujarat	Gandhinagar	Mansa
14	Gujarat	Kachchh	Anjar
15	Gujarat	Kachchh	Bhachau
16	Gujarat	Kachchh	Bhuj
17	Gujarat	Kachchh	Mandvi
18	Gujarat	Mehsana	Becharaji
19	Gujarat	Mehsana	Jotana
20	Gujarat	Mehsana	Kadi
21	Gujarat	Mehsana	Kheralu
22	Gujarat	Mehsana	Mehsana
23	Gujarat	Mehsana	Satlasana
24	Gujarat	Mehsana	Unjha
25	Gujarat	Mehsana	Vadnagar
26	Gujarat	Mehsana	Vijapur
27	Gujarat	Mehsana	Visnagar
28	Gujarat	Patan	Chanasma
29	Gujarat	Patan	Patan
30	Gujarat	Patan	Sarasvati
31	Gujarat	Patan	Sidhapur

32	Gujarat	Sabarkantha	Idar
33	Gujarat	Sabarkantha	Prantij
34	Gujarat	Sabarkantha	Vadali
35	Haryana	Bhiwani	Behal
36	Haryana	Bhiwani	Kairu
37	Haryana	Bhiwani	Loharu
38	Haryana	Bhiwani	Tosham
39	Haryana	Charkhi Dadri	Badhra
40	Haryana	Faridabad	Ballabgarh
41	Haryana	Faridabad	Faridabad
42	Haryana	Fatehabad	Tohana
43	Haryana	Gurugram	Farrukh Nagar
44	Haryana	Gurugram	Gurgaon
45	Haryana	Gurugram	Pataudi
46	Haryana	Gurugram	Sohna
47	Haryana	Kaithal	Guhla
48	Haryana	Kaithal	Rajaund
49	Haryana	Karnal	Karnal
50	Haryana	Kurukshetra	Ladwa
51	Haryana	Kurukshetra	Pehwa
52	Haryana	Kurukshetra	Shahbad
53	Haryana	Mahendragarh	Ateli Nangal
54	Haryana	Mahendragarh	Kanina
55	Haryana	Mahendragarh	Mahendragarh
56	Haryana	Mahendragarh	Nagal Chaudhary
57	Haryana	Mahendragarh	Narnaul
58	Haryana	Palwal	Hassanpur
59	Haryana	Palwal	Hathin
60	Haryana	Palwal	Hodal
61	Haryana	Palwal	Palwal
62	Haryana	Panipat	Bapoli
63	Haryana	Panipat	Samalkha
64	Haryana	Rewari	Khol (Rewari)
65	Haryana	Sirsa	Ellenabad
66	Haryana	Sirsa	Rania
67	Haryana	Yamunanagar	Jagadhri
68	Haryana	Yamunanagar	Mustafabad
69	Haryana	Yamunanagar	Radour
70	Haryana	Yamunanagar	Sadhaura

71	Karnataka	Bagalkot	Badami
72	Karnataka	Bagalkot	Bagalkot
73	Karnataka	Ballari	Hagaribommanahalli
74	Karnataka	Ballari	Harapanahalli
75	Karnataka	Belagavi	Athani
76	Karnataka	Belagavi	Ramdurg
77	Karnataka	Bengaluru (Rural)	Devanhalli
78	Karnataka	Bengaluru (Rural)	Doddaballapur
79	Karnataka	Bengaluru (Rural)	Hoskote
80	Karnataka	Bengaluru (Rural)	Nelamangala
81	Karnataka	Chamarajanagara	Gundlupet
82	Karnataka	Chikkaballapura	Bagepalli
83	Karnataka	Chikkaballapura	Chikkaballapura
84	Karnataka	Chikkaballapura	Chinthamani
85	Karnataka	Chikkaballapura	Gauribidanur
86	Karnataka	Chikkaballapura	Gudibanda
87	Karnataka	Chikkaballapura	Sidlaghatta
88	Karnataka	Chikkamagaluru	Kadur
89	Karnataka	Chitradurga	Challakere
90	Karnataka	Chitradurga	Chitradurga
91	Karnataka	Chitradurga	Hiriyur
92	Karnataka	Chitradurga	Holalkere
93	Karnataka	Chitradurga	Hosadurga
94	Karnataka	Davanagere	Channagiri
95	Karnataka	Davanagere	Jagalur
96	Karnataka	Gadag	Gadag
97	Karnataka	Gadag	Ron
98	Karnataka	Hassan	Arasikere
99	Karnataka	Kolar	Bangarpet
100	Karnataka	Kolar	Kolar
101	Karnataka	Kolar	Malur
102	Karnataka	Kolar	Mulabagal
103	Karnataka	Kolar	Srinivasapura
104	Karnataka	Ramnagara	Kanakapura
105	Karnataka	Ramnagara	Ramanagara
106	Karnataka	Tumakuru	Chikkanayakanahalli
107	Karnataka	Tumakuru	Koratagere
108	Karnataka	Tumakuru	Madhugiri
109	Karnataka	Tumakuru	Sira

110	Karnataka	Tumakuru	Tiptur
111	Karnataka	Tumakuru	Tumakuru
112	Madhya Pradesh	Chhatarpur	Chhatarpur
113	Madhya Pradesh	Chhatarpur	Naugaon
114	Madhya Pradesh	Chhatarpur	Rajnagar
115	Madhya Pradesh	Damoh	Pathariya
116	Madhya Pradesh	Niwari	Niwari
117	Madhya Pradesh	Panna	Ajaygarh
118	Madhya Pradesh	Sagar	Sagar
119	Madhya Pradesh	Tikamgarh	Baldevgarh
120	Madhya Pradesh	Tikamgarh	Palera
121	Maharashtra	Ahmednagar	Karjat
122	Maharashtra	Ahmednagar	Rahata
123	Maharashtra	Ahmednagar	Sangamner
124	Maharashtra	Amravati	Chandur Bazar
125	Maharashtra	Amravati	Morshi
126	Maharashtra	Amravati	Warud
127	Maharashtra	Buldhana	Motala
128	Maharashtra	Jalgaon	Amalner
129	Maharashtra	Jalgaon	Parola
130	Maharashtra	Jalgaon	Raver
131	Maharashtra	Jalgaon	Yawal
132	Maharashtra	Jalna	Ghansawangi
133	Maharashtra	Jalna	Jalna
134	Maharashtra	Jalna	Partur
135	Maharashtra	Latur	Chakur
136	Maharashtra	Latur	Latur
137	Maharashtra	Latur	Nilanga
138	Maharashtra	Latur	Renapur
139	Maharashtra	Nagpur	Katol
140	Maharashtra	Nagpur	Narkhed
141	Maharashtra	Nashik	Deola
142	Maharashtra	Nashik	Sinnar
143	Maharashtra	Osmanabad	Osmanabad
144	Maharashtra	Osmanabad	Umarga
145	Maharashtra	Pune	Baramati
146	Maharashtra	Pune	Indapur
147	Maharashtra	Pune	Purandhar
148	Maharashtra	Sangli	Jat

149	Maharashtra	Sangli	Kavathe-Mahankal
150	Maharashtra	Sangli	Khanapur
151	Maharashtra	Sangli	Tasgaon
152	Maharashtra	Satara	Khatav
153	Maharashtra	Satara	Man
154	Maharashtra	Satara	Wai
155	Maharashtra	Solapur	Madha
156	Maharashtra	Solapur	Malshiras
157	Maharashtra	Solapur	Mohol
158	Maharashtra	Solapur	Pandharpur
159	Rajasthan	Ajmer	Ajmer Rural
160	Rajasthan	Ajmer	Peesangan
161	Rajasthan	Ajmer	Srinagar
162	Rajasthan	Alwar	Rajgarh
163	Rajasthan	Baran	Atru
164	Rajasthan	Baran	Baran
165	Rajasthan	Bhilwara	Shahpura
166	Rajasthan	Chittaurgarh	Chittaurgarh
167	Rajasthan	Dausa	Baijupada
168	Rajasthan	Dausa	Bandikui
169	Rajasthan	Dausa	Baswa
170	Rajasthan	Dausa	Dausa
171	Rajasthan	Dausa	Lawan
172	Rajasthan	Dausa	Nangal Rajawatan
173	Rajasthan	Dausa	Sikandara
174	Rajasthan	Dholpur	Dholpur
175	Rajasthan	Dholpur	Saipau
176	Rajasthan	Hanumangarh	Hanumangarh
177	Rajasthan	Hanumangarh	Sangaria
178	Rajasthan	Hanumangarh	Tibbi
179	Rajasthan	Jaipur	Amber
180	Rajasthan	Jaipur	Govindgarh
181	Rajasthan	Jaipur	Jalsu
182	Rajasthan	Jaisalmer	Jaisalmer
183	Rajasthan	Jaisalmer	Mohangarh
184	Rajasthan	Jaisalmer	Nachana
185	Rajasthan	Jhalawar	Khanpur
186	Rajasthan	Jhunjhunu	Khetri
187	Rajasthan	Karauli	Hindaun

188	Rajasthan	Karauli	Shree Mahaveer Ji
189	Rajasthan	Kota	Sangod
190	Rajasthan	Rajsamand	Rajsamand
191	Rajasthan	Sawai Madhopur	Chauth Ka Barwara
192	Rajasthan	Sawai Madhopur	Khandar
193	Rajasthan	Sawai Madhopur	Sawai Madhopur
194	Rajasthan	Sikar	Ajeetgarh
195	Rajasthan	Sikar	Neem Ka Thana
196	Rajasthan	Sikar	Patan
197	Uttar Pradesh	Baghpat	Baghpat
198	Uttar Pradesh	Baghpat	Pilana
199	Uttar Pradesh	Banda	Barokharkhurd
200	Uttar Pradesh	Banda	Jaspura
201	Uttar Pradesh	Banda	Mahua
202	Uttar Pradesh	Banda	Naraini
203	Uttar Pradesh	Banda	Tindwari
204	Uttar Pradesh	Chitrakoot	Karwi
205	Uttar Pradesh	Chitrakoot	Manikpur
206	Uttar Pradesh	Chitrakoot	Mau
207	Uttar Pradesh	Chitrakoot	Ramnagar
208	Uttar Pradesh	Hamirpur	Maudaha
209	Uttar Pradesh	Hamirpur	Muskara
210	Uttar Pradesh	Hamirpur	Sarila
211	Uttar Pradesh	Hamirpur	Sumerpur
212	Uttar Pradesh	Jhansi	Babina
213	Uttar Pradesh	Jhansi	Mauranipur
214	Uttar Pradesh	Lalitpur	Talbehat
215	Uttar Pradesh	Mahoba	Charkhari
216	Uttar Pradesh	Mahoba	Jaitpur
217	Uttar Pradesh	Mahoba	Kabrai
218	Uttar Pradesh	Mahoba	Panwari
219	Uttar Pradesh	Meerut	Kharkhonda
220	Uttar Pradesh	Meerut	Rajpura
221	Uttar Pradesh	Muzaffarnagar	Budhana
222	Uttar Pradesh	Shamli	Kandhala

