2022

DLI #1 VERIFICATION PROTOCOL

(3RD ROUND OF VERIFICATION)

Atal Bhujal Yojana

3rd Round of DLI#1 Verification Protocols

1.0 Background:

Quality Council of India (QCI), as Third Party Government Verification Agency (TPGVA) for Atal Bhujal Yojana has conducted two rounds of verification for DLI#1. The 1st round was conducted in December 2020, 2nd round was conducted in October 2021 and the reassessment of 2nd round was conducted in April 2022. A comprehensive verification protocol was developed for both the rounds and was followed during the desktop as well as the field verification by QCI.

The protocol for 3rd round of verification of achievements against DLI#1, has been developed based on the Program Guidelines Ver.1.1 and the Program Appraisal Document of the World Bank and incorporating the observations and feedback from previous verifications.

Table 1: Verification protocol for DLI #1 (3rd Round)

Description of DLI-1	A State is verified to have achieved the DLI if the monitoring and disclosure of ground water-related data has improved.
Scalability of Disbursements (Yes/No)	Yes
Data Source/Agency	State and Central (e.g., CGWB) Governments records and data verification
Verification Entity	TPGVA
Verification for DLI-1	
Only the selected states/blocks/GP will be considered for the DLI. For a given state/block/GP the achievement of the DLI will be measured using six sub-indicators on: **Disbursing indicators:** (a) The number of observation wells for which water level monitoring data are available and disclosed (b) The number of observation wells for which water quality monitoring data are available and disclosed (c) The number of program blocks for which 'Hydrogeological Reports' with information pertaining to groundwater level and water quality monitoring is available	

Non-Disbursing indicators:

(d) The number of State-level accredited groundwater quality laboratories

(e) The number of wells equipped with functional meters for measuring energy consumption or volumetric groundwater usage

(f) Public disclosure of data by States through different modes/mechanism[1]

- For the 1st and 2nd[2] round of verification of DLI#1, a separate verification protocol was developed and was shared with the IAs (also forms part of the final report of the first and second round of verification of DLI#1)

- Non-disbursing indicators would be considered for arriving at overall performance of state based on qualitative analysis

- This protocol shall be read in continuation of the protocol developed for previous rounds of verification of DLI#1

[1] Disclosure of data specific to Water level, Water Quality and HGR to be available in public domain.

[2] 2nd round of verification includes the reassessment of the 2nd round held in April 2022.

2.0 Protocol for Verification towards DLI#1 (3rd Round):

2.1 SPMU will upload the data in respect of all the sub-indicators of DLI#1 on 'DLI Verification module' of Ataljal MIS (ataljal.mowr.gov.in) by **30th June 2022**, in the prescribed formats given in annexures for:-

(i) Annexure – IA & IIA, Template for updation of disclosed data for WL/WQ

(ii) Annexure –IB & IIB, Template for data in respect of additional wells established after January 2021 for WL/WQ

2.2 For this round of verification for achievement of DLI -1, the criteria of qualifying with respect to each sub-indicator is as follows:

1. Water Level (Format is provided in Annexure – IA and IIA)

The updation of water level data for pre and post-monsoon period of 2021 for at least 70% of observation wells disclosed on the MIS after the first and second round of verification shall be mandatory and will be considered for evaluating state performances

(i) Additional wells established after January 2021 can also be disclosed for verification in the third round with both pre and post-monsoon data of 2021.

** To be eligible, the observations wells should have a minimum of 2 data points (pre-and post-monsoon) for the year 2021.

2. Water Quality (Format is provided in Annexure – IB and IIB)

Updation of water quality data of 2021 for at least 70% of observation wells disclosed on the MIS after the first and second round of verification shall be mandatory and will be considered for evaluating state performances

(i) Additional wells established after first round of verification can also be disclosed for verification in the third round with data of pH, EC / TDS, Ca, Mg, Na, K, CO_3/HCO_3/Total Hardness, Cl, SO_4, NO_3 and F for the year 2021.

** To be eligible, the observation wells should have data inputs of pH, EC/TDS, Ca, Mg, Na, K, CO_3/ HCO_3/Total Hardness, Cl, SO_4, NO_3 and F for the year 2021.

3. Water Quality Testing Laboratory (Format is provided in Annexure – III)

The data in respect of Water Quality Testing Laboratories accredited and equipped with modern groundwater quality monitoring systems shall be uploaded by SPMU in the prescribed format on the MIS (DLI Verification Protocol).

The accreditation of the Water Quality Testing Laboratories shall be verified through the accreditation certificate issued by the accrediting agency (NABL, etc.)

4. Wells with functional energy consumption / volumetric groundwater usage meter (Format is provided in Annexure – IV)

The data in respect of wells fitted with functional energy consumption / volumetric groundwater usage meter, shall be uploaded by the SPMU in the prescribed format on the MIS (DLI Verfication Protocol).

These wells shall be verified based on availability of proof of the existence of the meter(s) in the form of geotagged photographs.

a. In the case of wells with energy meters, proof in the form of electricity bills for the last 6 months shall be mandatory
b. In case of water meters, records of register where the data is being recorded shall be collected as proof. The register is to be maintained by DPMU and to be produced during verification

5. Hydrogeological Reports

As regards to the block wise Hydrogeological reports, the SPMU to undertake:

(a) Update and upload Hydrogeological reports already disclosed in previous rounds of verification on the MIS (Mandatory and non-disbursing)

(b) Uploading of additional block wise Hydrogeological reports on the MIS (Mandatory and Disbursing)

For the purpose of 3rd round of verification, the criteria for qualifying 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 for 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 six (6) maps (Location map, Hydrogeological map, location of observation wells for monitoring water levels and water quality, updated pre-and post-monsoon water level maps, map showing distribution of Specific Electrical Conductance. The map showing cross-section of sub surface regional aquifer system is optional and may be included if available

iii) Availability of three (3) Tables (Basic data of WL/WQ observation wells, ground water level data (2015-2021) and ground water quality data (2015-2021). 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 on the MIS

(b) The Hydrogeological reports already disclosed during the first & second round of verification are to be updated for water level and quality data for the year 2021 and uploaded on the MIS

(c) The maps in the Hydrogeological reports should be updated for the pre and post monsoon for 2021

6. Public Disclosure

The water level/quality related data/reports which have been disclosed against DLI-1 and also verified by QCI in the first and second round are available in the Atal Jal portal ('Data Disclosure' tab) and can be accessed/downloaded freely.

Mode of Disclosure:

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 Panchyat office, posters, banners, printed booklets, pamphlets/leaflets, holding public meetings as well as using social media platforms, and other means.

For verifying the public disclosure of data, the following modes of disclosure are accepted for verification:

Table 2: Acceptable modes of public disclosure under DLI #1

S No	Mode of Public Disclosure	Details	Frequency of Disclosure	Verification Methodology
1	Online Disclosure	• Atal Jal portal • Web portals of states	Semi-annual	Checking the disclosure semi-annually
2	Fixed Displays	• Gram Panchayat office notice boards • Posters/Flexes • Boards near observation wells on Water Levels and Water Quality. Boards to also indicate if water is potable or not.	Semi-annual	Geotagged images[3]
3	Print	• Pamphlets/Leaflets	Semi-annual	Images of pamphlets / leaflets
4	Social Media	• Creating GP specific Groups on Facebook/WhatsApp/Twitter and any other Social Media Platform	Continuous basis	Link
5	Public meetings	• Gram Sabha meetings	Continuous basis	Social Listening of 15 individuals from GPs selected at random

[3] The photographs in the google form can be either uploaded as a i) Pre-saved geotagged image in the phone gallery or ii) Real time image in the google forms which will be automatically Geo-tagged and time stamped. To insert a geo-tagged photograph, select your phone gallery pop up on the screen and click on the selected photograh and insert it in the different formats.

Details about the mode of public disclosure used by the states needs to be to be uploaded on a google form present on MIS home page (url: https://docs.google.com/forms/d/e/1FAIpQLSefRGVnZgzhAHXdeY_pUOA8iTkGvRdqVEg4jl6rxCl7e4Wu5Q/viewform)

In addition to the above indicators, QCI team shall observe the awareness generated through the IEC materials. Two types of forms shall be employed, namely – the Random Citizen Feedback form and Random Observation Wells form, which would aid in assessing the awareness of the Community about the scheme.

Annexure – IA

Template For Uploading updation of Water Level Data for Observation Wells

Template for uploading updation of Water Level Data for Observation Wells is attached for the reference in an Excel format seperatly in Email Annexure – IA.

Annexure – IB

Template For Uploading Water Level data for Additional Observation Wells

- Template for uploading Water Level Data for additional Observation Wells is attached for the reference in an Excel format seperatly in Email Annexure - IB.

Annexure – IIA

Template For Uploading updation of Water Quality Data for Observation Wells

- Template for uploading updation of Water Quality Data for Observation Wells is attached for the reference in an Excel format seperatly in Email in Annexure – IIA.

Annexure – IIB

Template For Uploading Water Quality data for Additional Observation Wells

- Template for uploading Water Quality Data for additional Observation Wells is attached for the reference in an Excel format seperatly in Email in Annexure – IIB.

Annexure – III

Details of Accreditation of Water Quality Testing Laboratories

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

Annexure – IV

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 (Tube well/Dug well/Bore well etc.)**	**Latitude**	**Longitude**	**Type of Meter Installed {Energy**	**Energy/Water Meter Geotagged Photograph**	**Date of Installation (DD/MM/YYYY)**	***Photograph of Energy Consumption Meter (energy meter) Bill**	***Photograph of Energy Consumption Meter (energy meter) Bill**

Please note: Copy this template in a word document/Excel file and fill in the required information/data as per the headings given in the template and upload the same on the MIS (DLI verification protocol)

*Insert the photograph inside the table in the Jpeg format