

Functionality Assessment of Household Tap Connection under National Jal Jeevan Mission - 2022



District Report: Ukhrul, Manipur Survey Duration: March to April 2022

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## Abbreviations

AWC	Aanganwadi Centre
FHTC	Functional Household Tap Connection
Gol	Government of India
GP	Gram Panchayat
HF	Health Facility
HH	Household
HGJ	Har Ghar Jal
JJM	Jal Jeevan Mission
LPCD	Litres per Capita per Day
MVS	Multi-village Scheme
NJJM	National Jal Jeevan Mission
RC	Residual Chlorine
O&M	Operation and Maintenance
OHT	Over Head Tank
PSU	Primary Sampling Unit
PWS	Piped Water Supply
SVS	Single Village Scheme
VAP	Village Action Plan
VWSC	Village Water and Sanitation Committee
WQMIS	Water Quality Monitoring and Information System



## Glossary

- 1. Community Group of people living in one particular area or village/habitation
- Cross-sectional research A cross-sectional study is a type of research design in which data is collected from a relatively large and diverse group of people at a single point in time
- 3. **Drinking water source** Groundwater (open well, borewell, tube well, handpump, spring, etc.)/ surface water (river, lake, pond, reservoir, etc.)/rainwater, available for drinking and domestic use
- 4. Improved sources The following sources as considered improved by the National Family Health Survey definitions: Piped water into dwelling, yard/plot with a tap, piped water connected to public stand-posts, tube well or borewell, Hand pump, dug well– protected, Spring–protected, Rainwater, Water ATM/ Community RO plant/ Community Water Purification Plant (CWPP)
- 5. **Unimproved sources** The following sources as considered unimproved by the National Family Health Survey definitions: Unprotected spring, unprotected dug well, cart with small tank / drum, Tanker/ truck, Surface water (river/ dam/ lake/ pond/ canal), and bottled water
- 6. **Functional Household Tap Connection (FHTC)** A tap connection to a rural household for providing drinking water in adequate quantity of prescribed quality on regular basis.
- 7. **Functionality of FHTC** Functionality of a tap connection is defined as having infrastructure, i.e., household tap connection providing water in adequate quantity, as presented:

Definitions	Fully-functional	Partially-functional	Non-functional
Quantity	>= 55 LPCD	> 40 LPCD - < 55 LPCD	< 40 LPCD
Regularity	12 months or daily basis	9-12 months or < daily basis	< 9 months or < daily basis
Quality	Potable	Potable	Non potable

- 8. **Quantity (in litres)** of water received by households per person per day should meet the service level of 55 LPCD
- 9. **Functionality Assessment** An assessment of the functionality of rural household tap connections based on a sample survey
- 10. **Fully Regular –** Regularity of water is considered when a rural household receives water for 12 months on daily basis or as per schedule.
- 11. **Potability –** Potable water is water that is safe to be used as drinking water. Parameters of potable water are mentioned below:

Parameters for potable water tested in the survey				Permissible Limit in the absence of alternative sources
i.	pH (tested on site)	-	6.5 to 8.5	No relaxation
ii.	Free residual chlorine (tested on site)	Mg/litre	0.2	1
iii.	Turbidity	NTU	1	5
iv.	Total hardness	Mg/litre	200	600
٧.	Total alkalinity	Mg/litre	200	600
vi.	Chloride	Mg/litre	250	1000
vii.	Ammonia	Mg/litre	0.5	No relaxation
viii.	Phosphate	Mg/litre	0.3	1
ix.	Iron (in hotspots only)	Mg/litre	1	No relaxation
Х.	Nitrate	Mg/litre	45	No relaxation
xi.	Sulphate	Mg/litre	200	400
xii.	Total dissolved solids	Mg/litre	500	2000



Parameters for potable water tested in the survey		Unit	Acceptable Limit	Permissible Limit in the absence of alternative sources	
xiii.	Fluoride	Mg/litre	1	1 1.5	
xiv.	Arsenic (in hotspots only)	Mg/litre	0.01	No relaxation	
xv. Bacteriological test for Total coliform bacteria and E. coli or thermotolerant coliform bacteria		Shall not be detectable in	any 100 ml sample		

- 12. **Sampling** Selection of a subset of individuals from within a statistical population to estimate water service delivery among the population. In the current study, households have been sampled to estimate the representation of the village and subsequently of the district as well as of the state.
- 13. Types of schemes: Following are the piped water supply schemes that were assessed
  - a. Mini-solar based piped water supply scheme in isolated/tribal hamlets
  - b. Single Village Scheme (SVS) in villages having adequate groundwater that needs treatment
  - c. Single village scheme (having adequate groundwater/ spring water/ local or surface water source of prescribed Quality)
  - Retrofitting of ongoing schemes taken up under erstwhile NRDWP for the last mile connectivity/ retrofitting of completed rural water supply schemes to make it JJM compliant
  - e. Multi-village PWS scheme with water grids/ regional water supply schemes
- 14. Village Action Plan (VAP) Plan prepared by Gram Panchayat and/ or its sub-committee, i.e., VWSC/ Paani Samiti/ User Group, etc. based on baseline survey, resource mapping and felt needs of the village community to provide FHTC to every rural household, treat the generated greywater and plan its reuse, undertake surveillance activities, etc. VAP also indicates the fund requirement and timelines for completion of work under the Mission and will be approved by the Gram Sabha. Irrespective of the source of funding, all drinking water-related works in the village are taken up based on the VAP.
- 15. **Source Sustainability** includes measures such as aquifer recharge, rainwater harvesting, increased storage capacity of water bodies, reservoirs, de-silting, etc. improve the lifespan of water supply systems
- 16. **Har Ghar Jal (HGJ)** An administrative unit wherein all HHs are provided with water supply through FHTCs is called "Har Ghar Jal".
- 17. **Public Institutions** The public institutions in the survey include Aanganwadi Centre (AWC), Health Facilities, Schools, Gram Panchayat, and government buildings.
- 18. Working tap connection A tap connection supplied water at least one day in the week, preceding of survey
- 19. **Functional Scheme –** A scheme is said to be functional if it was reported to be working for all 12 months in a year.



## 1. Factsheet

Indicators	Manipur	Ukhrul
Functionality status of FHTC at households		
Households (HHs) which received water through FHTC at least once in	100	100
last 7 days (%)	100	100
Fully functional (%)	40	62
Partially functional (%)	32	36
Non-functional (%)	28	1
Quantity of water received by households		
Adequate quantity (>55 LPCD) (%)	62	93
Partially adequate quantity (> 40 LPCD - < 55 LPCD) (%)	11	5
Inadequate quantity (<40 LPCD) (%)	27	1
Regularity of water received by households		
Fully Regular Supply (as per schedule) (%)	57	67
Partially Regular Supply (not as per schedule) (%)	24	33
Irregular Supply (less than 9 months' supply) (%)	19	0
Potable (Quality) water received by households		
Potable (%)	92	100
Non-potable (%)	8	0
Residual Chlorine (RCL) detected with in permissible limits (%)	20	50
Household level indicators		

Household level indicators		
Households receiving water supply daily-7 days a week (%)	25	0
Daily HH requirement of water being met by FHTC (%)	92	96
Households reported FHTC as a primary source of drinking water (%)	92	100
Households purifying water before drinking (%)	91	100
Households paying water service delivery charges (%)	47	26
Households having coping mechanisms during scarcity (%)	46	74
Households aware of grievance redressal mechanism for reporting	98	100
problems with FHTC (%)	96 100	
Households reported incidence of water-borne diseases in the last year (%)	0	0
Households reported a reduction in time and effort in collecting water (%)	89	65
Overall user satisfaction at the household level		
Regularity (%)	93	98
Overall quality (%)	96	100



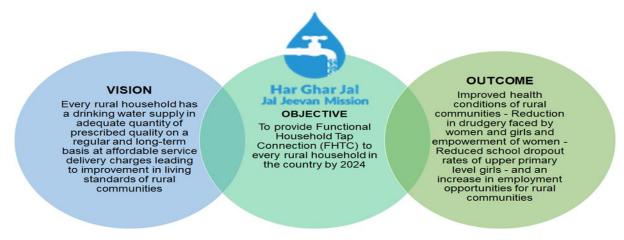
Indicators	Manipur	Ukhrul
Village level indicators (based on village questionnaire)		
Schemes reported to be functional (%)	68	89
Villages with groundwater resource (%)	7	0
Villages having groundwater recharge structure <sup>1</sup> (%)	0	0
Water supply and storage status in villages		
Average no. of times water is supplied in a day	1	1
Villages having OHT/ Sump for storage of water (%)	73	100
Water quality monitoring and surveillance in the villages		
Villages with Field Test Kits (%)	79	94
Villages in which bacteriological test was done in last 1 year by VWSC/ Pani Samiti (%)	53	89
Villages reported to have a mechanism for chlorination (%)	17	22
VWSC/Pani Samiti and PWS signage in villages		
Village reported having presence of VWSC/ Pani Samiti (%)	92	56
Villages in which VWSC/ Pani Samiti is responsible for Operation & Maintenance of PWS schemes (%)	71	56
Villages in which persons are trained to use Field Test Kits (%)	77	100
Villages in which signages about JJM were observed (%)	36	61
Operation and maintenance at village		
Villages levying water service delivery to households (%)	46	28
Convergence of JJM activities with other schemes in the villages (%)	23	33
Villages having skilled manpower for Operation & Maintenance of PWS schemes (%)	61	28
Community monitoring of water wastage in villages (%)	49	56

 $<sup>^{1}</sup>$  Out of villages who reported to have groundwater source (N\_v=0)

## 2. Context

Jal Jeevan Mission (JJM) was launched on the 15th of August 2019 with the objective to provide functional household tap connections (FHTCs) to all rural households.

Figure 1: Har Ghar Jal - Objective, Vision, & Outcome



In accordance with the overall objectives as specified in the Operational Guidelines for the implementation of the NJJM, Gol carried out a sample survey to assess the functionality of household tap connections. As part of this endeavour, NJJM, Gol engaged HTA Kantar Public to conduct the 'Functionality Assessment' of the household as well as public institution/ buildings such as schools, anganwadis, gram panchayat buildings, public health facilities, and wellness centers in all the rural districts for the fiscal year 2021-22.

## 2.1. District snapshot: Ukhrul

District Ukhrul of Manipur has a population of 1,75,474. The district has 3 blocks. Out of 97 villages in the district, none are SC dominated and 97 are ST dominated villages. The district lies in Eastern Himalayan Region and receives an annual rainfall of 1763.7mm.

Presented here are district level information collated from the DDWS-IMIS:

Figure 2: District IMIS Status & Map

#### IMIS status:

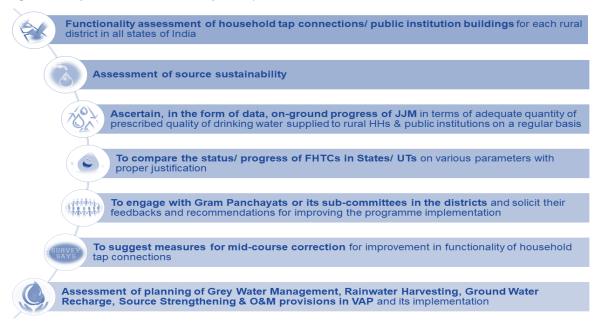
- 6 (6% of all) villages are Har Ghar Jal
- 91 (94% of all) villages are Non-Har ghar Jal
- SC/ST dominated district
- Non JE/AES
- No- History of water contamination
- 84 (87% of all) villages with PWS more than 20 FHTC





## 2.2. FHTC Assessment Objectives

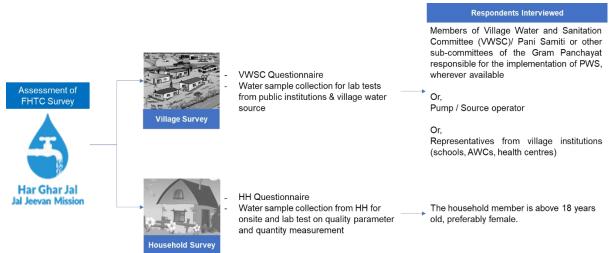
Figure 3: Objectives of Functionality of Tap Connections



## 2.3. Assessment Methodology

A cross-section research design has been used for this functionality assessment study. Quantitative data were collected from villages and households across all states/UTs using the CAPI (Computer Assisted Personal Interviewing) mode. The survey includes two components, village, and household.

Figure 4: Survey Components & Respondents



## 2.4. Sample Size

The sample size was calculated to provide estimates with a 95% confidence interval (CI) and 5% margin of error (MoE) after incorporating the correction factor for a finite population considering the total number of geographic units having FHTCs.

- Village sample is estimated to be representative at the state level
- HH sample estimated to be representative at the district level



- Number of Har Ghar Jal (HGJ) villages were proportionately sampled at the district level
- All PWS schemes (up to 4) were covered per village. Per scheme approximately 9 (3 each from the head, middle, and tail HHs) or 18 households (6 each from head, middle, and tail HHs) were sampled to achieve the desired sample at the district level.

## 2.5. Sampling Methodology

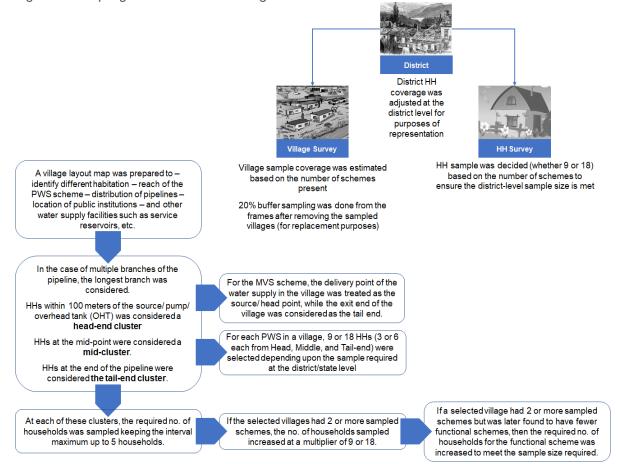
As per the design, all villages having a PWS scheme with 20 or more functional household tap connections were included in the sample frame. The probability proportionate to size (PPS) method was used for village selection in each district. The steps for random selection of villages using PPS are as presented:

Figure 5: Steps for Village Sampling



The key considerations for the village and household sampling were:

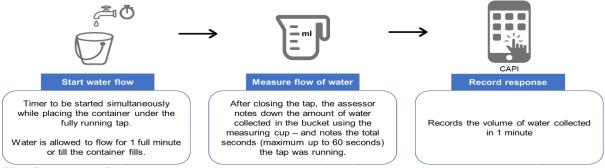
Figure 6: Sampling Considerations – Village & Households



The record of all district-wise village replacements is maintained and reported as part of the annexure.

## 2.6. Methodology for Water Quantity Measurement at Households

Figure 7: Steps for Measuring Flowrate from Supply-tap at HHs



The flow rate of the water supply was measured using a container with gradual markings (either 5 litres or 1 litre, based on the flow of the tap) and a stopwatch/timer-watch. The process followed is as described in Figure 7.

In the case of households where the FHTC is connected directly with the storage tank, the following steps were adopted to measure the quantity:

- Assessor first asked and recorded length, breadth, and height.
- Assessor dipped a 5 feet long rod, marked the level of the water table, and calculated the volume – length x breadth x-height of water.
- Next the assessor opened the valve of the connection and allowed the water to flow inside the storage for 10 minutes.
- After 10 mins, the valve was closed, and the assessor again dipped the rod and recorded the new height of the water inside the tank. Based on this new 'height' and the CAPI calculated the changed volume.
- The difference in the volume of water in 10 minutes divided by 10 provided the flow rate of the water supply per minute.

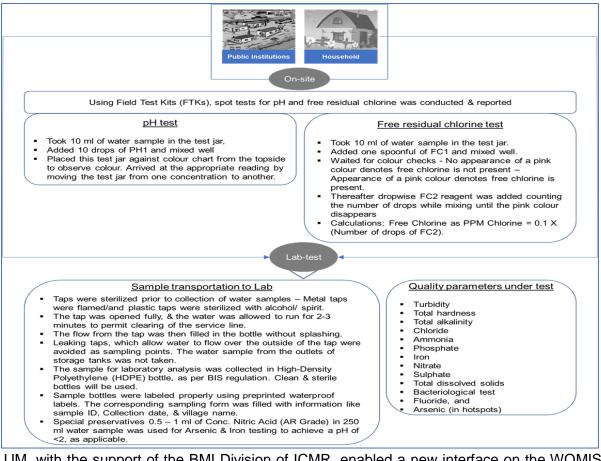
The water flow rate was not measured for village-level public institutions.

#### 2.7. Methodology for Water Quality Measurement

Water quality was tested for all public institutions available in the villages, including schools, anganwadis, gram panchayat buildings, public health facilities, and wellness centers, and at the selected households. Two types of quality tests were carried out – a) spot test for pH and free residual chlorine, and b) water sample was collected and transported to labs for testing against 13 quality parameters (total 15) as specified in Figure 8.



#### Figure 8: On-site & Laboratory Based Quality Test

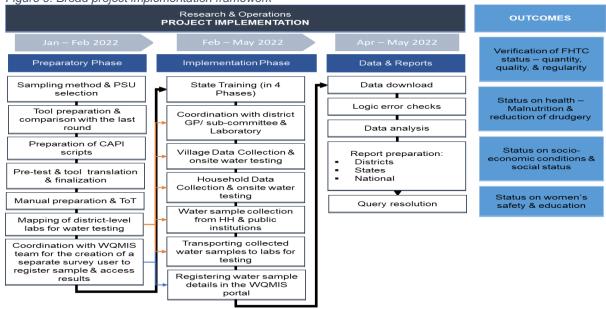


JJM, with the support of the BMI Division of ICMR, enabled a new interface on the WQMIS portal for "Functionality Assessment (FA) User" to enable seamless harmonization of water sample registration, sample submission for testing, and sharing of results as per the applicable quality parameters.

## 2.8. Project implementation

An overview of the project implementation is as presented:





A total of 5 teams (comprising 5 supervisors, 30 assessors, and 5 water collection assistants) were recruited, trained, and deployed to complete the survey across the states of Manipur. One survey team covered approximately 2 - 3 districts. The state-wise team deployment and fieldwork dates were as presented:

Table No. 1:	State-wise team deployment and data collection start & end dates				
State		Teams deployed	Start date	End date	Total data collection days
Manipur		5 Teams	3/7/2022	4/20/2022	44 days

A four-tier quality control (QC) system was put in place. At the ground level, the data collection exercise was done using a computer-aided Personal Interview (CAPI) application which contained all logic and skip-checks inbuilt. Also, 5% of the total samples were accompanied by the supervisors. Sub-targeted QC was done by the state field managers (5%) and the central project management team (5%). Apart from this, the central research team monitored the data trend and as per requirement debriefed data collection teams to improve quality.

## 2.9. Sample coverage

Table No. 2: Sample covered						
		Targeteo	d sample		Achieved sam	ple
District		Village	НН	Village	НН	Public Institutions
Ukhrul		18	369	18	368	0
Manipur		318	6,174	318	6,180	80

Figure 9: Broad project implementation framework

## 2.10. Sampled village and household profile

	SAMPLED VILLAGES		SAMPLED HOUSEHOLDS
<ul> <li>P</li> <li>ir</li> <li>ir</li> <li>st</li> <li>H</li> <li>ir</li> <li>N</li> </ul>	Total no. of villages covered in the district – 18 Percentage of SC dominated villages covered in the district is 0% (which is slightly lower than the state average, i.e., 1%) Percentage of ST dominated villages covered in the district is 100% (which is higher than the tate average, i.e., 81%) Higher proportion of <b>vwsc/pani samiti</b> interviewed at the village level <b>Io</b> the district reported to have any historical incidence of water contamination	• • •	Total no. of households covered in the district – 368 Proportion of General - 0%, SC 0%, ST% 100, OBC 0% households 29% of the FHTC connections are under the name of a female member Average household size – 6 >75% positive user experience in 5/5 measures



## 3. Findings

# 3.1. Functionality status of FHTC at household level A. Overall Functionality\* (in %)

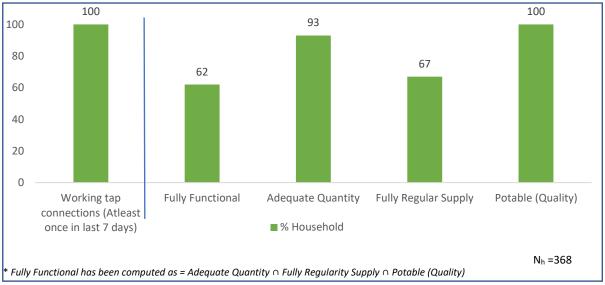


Figure 10: Functionality of HH tap connection

It has been found that 100 percent of the sampled HHs (N=368) had working tap connections (i.e., received water at least once in last 7 days). More than six out of ten (62 percent) HHs had fully functional tap connection (i.e., HHs receiving adequate quantity of prescribed quality of water on a regular basis).



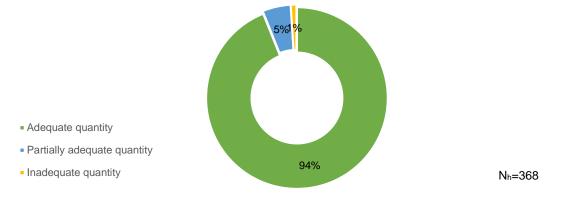
## 3.2. Quantity, Regularity, and Quality of Water

Under JJM, functionality is defined as having infrastructure, i.e., household tap connection providing water in adequate quantity (55 LPCD or more) of prescribed quality on regular basis (every day or as decided by GP and/ or its sub-committee) with adequate pressure. It will also include long-term source and system sustainability. Presented here are the findings in this respect.

#### A. Water quantity measured as LPCD (Litres per Capita per Day)

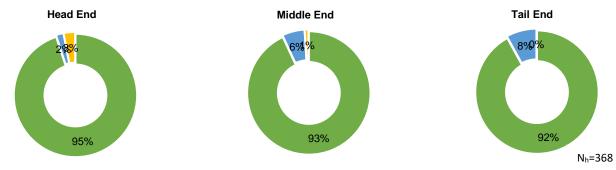
93% HHs reported receiving adequate quantity of water

Figure 11: Quantity of water received by households



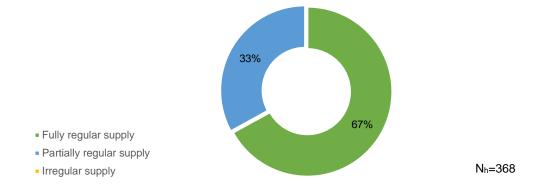
#### Quantity of water received across head, middle, and tail end HHs

Figure 12: Quantity of water received across head, middle and tail end households



#### B. Regularity of water supply to households

**67% HHs** receive a regular supply of water (as per agreed schedule) *Figure: Regularity of water received by households* 







\*Potable water has been considered basis testing of water samples through laboratory tests for physical, chemical, and bacteriological as given in Table 4 parameters (within acceptable/permissible range) and onsite testing of pH. The details of laboratory test are mentioned in the table given above in the glossary.

## Table No. 3: Village quality parameters reported within permissible range (% sample within permissible range)

No public institutions were found in any of the villages in this district.



Table No. 4:	Household water quality parameters reported within permissible range		
in % sample within permissible range)			

Quality Parameters	No of samples tested	% Households	
pH (on-site)	368	100	
Turbidity	243	100	
Total Hardness	241	100	
Total Alkalinity	241	100	
Chloride	239	100	
Ammonia	Not tested		
Iron	No history		
Nitrate	Not tested		
Sulphate	Not tested		
Total Dissolved Solids	242	100	
Bacteriological Test(Absence)	Not tested		
Fluoride	No history		
Arsenic	No history		

#### Safeguarding piped water supply for unforeseen bacteriological contamination-Presence of Residual Chlorine (RC)

The Residual Chlorine (RC) in the Ukhrul district was found in 50% samples. The other 50% samples had no RC.

The Residual Chlorine in piped water supply is one of the most important preventive actions to assure quality of water against bacteriological contamination from source to consumption. The presence of residual chlorine within permissible limits is indicator of well-maintained and healthy piped water supply system.

It is advised that behavioural change communication campaigns on appropriate dosage of residual chlorine is held in all villages and monitoring system for chlorine dosing is established. The FTK must have residual chlorine testing facility for effective WQM&S.

#### **Comment on functioning of District Lab:**

The district lab tested water samples for 5 water quality parameters. 368 water samples were submitted, and 243 water samples were tested, and reports made available. The turnaround time for testing was more than 48 hours in most cases.

The labs did not have any issue with testing the number of water samples submitted nor had any issues with human resource, reagents etc.



## 3.3. Average water supply days in a week

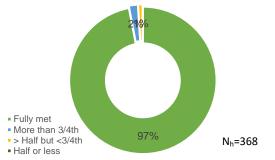




## 3.4. Household utilization of water for drinking and other activities

Fulfilment of requirement 96% HHs reported that their daily requirement of water is being met by FHTCs

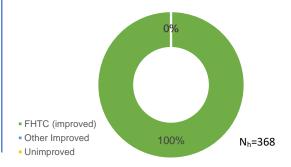
Figure 17: Daily household's requirement of water being met by FHTC



## 3.5. Status at HH level (Nh=368)

Primary source of drinking water 100% HHs reported HH tap connection as their primary source of drinking water

Figure 18: Households reported FHTC as primary source of drinking water



% HHs paying water % HHs purifying water % HHs with booster % HHs having coping service delivery charges before drinking pumps mechanism during scarcity 26% 100% 0% 74% % HH aware of grievance Key problems for % Reported complaints Channel for registering redressal mechanism for reporting grievances resolved (N<sub>h</sub>=38) grievance (N<sub>h</sub>=368\*) reporting problems with (N=368) 84% Inadequate pressure **VWSC/Pani Samiti** 100%

\*HHs who reported complaints in last 1 year



### 3.6. Source sustainability at the village level

#### Schemes based on surface and ground water

0% of schemes are reported to be based on surface water and % ground water.





\*'Surface Water Source' is Stream, Spring, Glacier, River, lake, pond etc. and Groundwater Source is open well, borewell, tube well, handpump, spring, etc

#### Villages reported having presence of a groundwater source

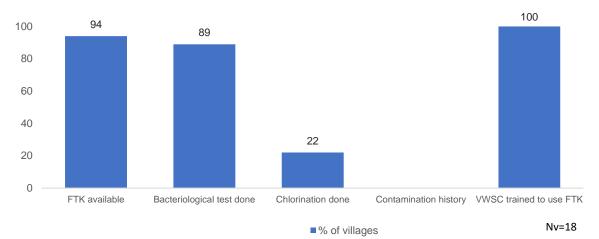
**None of the villages** reported the presence of groundwater sources like improved dug wells and borewells.

#### The top 3 other source sustainability measure taken by villages

No source sustainability measures were taken by any of the villages in this district.

#### 3.7. Water quality monitoring and surveillance in the villages

Figure 22: Water quality monitoring and surveillance by villages



## 3.8. Status of JJM

## A. VWSC/Pani Samiti and PWS signage in villages (Nv=18)

56%	56%	100%	61%	
Presence of VWSC/Pani Samiti	VWSC/Pani Samiti responsible for O&M of PWS Schemes	% Villages – VWSC/PO trained to use FTKs	% Villages in which signages about JJM was observed	

## B. Water supply, storage and operation & maintenance at village level (Nv=18)

Average no. of supply in a day	% Villages having skilled manpower for O&M for	% Villages having skilled manpower for O&M for PWS	Community monitoring of water wastage in villages	
1	28%	28%	56%	
% Villages having OHT/ Sump	% Villages having faced O&M challenges	Primary points for reporting grievances	Key problems for reporting grievances	
100%	44%	PHED	Pipeline leakage	

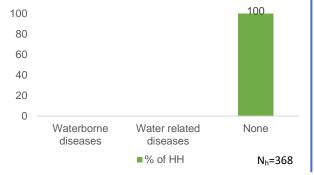


## 3.9. Perception of HHs on Outcome Indicators

#### a. Health

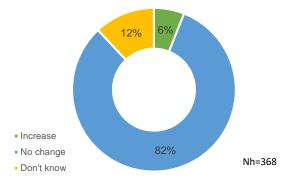
## Incidence of water borne diseases at HH level in last one year as reported

Figure 23: Household reported incidence of water borne diseases in last one year

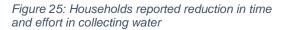


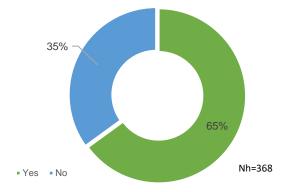
#### b. Economic Income Change in employment days since FHTC programmes/schemes

Figure 24: Household reported a change in employment days since FHTC programmes /schemes



#### c. Drudgery Reduction in time and effort in collecting water







## 3.10. User satisfaction

Table No	Table No. 5:         User satisfaction - more than 75% happy with FHTC services				
S. No.	Parameter (N <sub>h</sub> =368) In %				
1	Regularity		98		
2	Overall quality		100		
3	Colour		100		
4	Taste		100		
5	Odour	$\odot$	100		

Note:

Base (N<sub>v</sub>)=18 means all villages sampled and covered in Ukhrul district

Base ( $N_H$ )=368 means all households sampled and covered across the 18 villages in Ukhrul district Base ( $N_H$ )=368 means all households where female members used to fetch water before HH tap connection



## 4. Annexures

## 4.1. Summary of villages

Table No. 6: Village summary						
S.No.	Name of sample village	Sample HHs	Actual sample HHs (achieved)	No. of scheme	No of source of surface water	No of source of Ground water
1	Total	369	386	25	18	
2	Challou	18	19	2	1	
3	Chingjarou C.V.	18	19	3	1	
4	Kharasom	27	28	1	1	
5	Paoyi	27	28	2	1	
6	Phungcham	18	19	1	1	
7	Soraphung	18	19	2	1	
8	Hatha	18	19	1	1	
9	Kachai	27	28	1	1	
10	Litan Sareikhong	27	27	1	1	
11	Ngaimu	18	19	2	1	
12	Nungshong Khunou	18	19	1	1	
13	Sanakeithel	27	28	1	1	
14	Shihai Khullen	18	19	1	1	
15	Tolloi	18	19	1	1	
16	Tushem	9	9	2	1	
17	Ukhrul	18	21	1	1	
18	Hundung	27	27	1	1	
19	Huining(Halang)	18	19	1	1	

## 4.2. Functionality – 55 LPCD vs regularity vs potability vs working tap connection

Table	Table No. 7: Functionality of HH tap connection						
S. No.	Village	Fully Functional* (% HH)	Adequate Quantity (% HH)	Fully Regular Supply (% HH)	Potable (Quality) (% HH)	Working tap connections (%HH)	
1	Total	63	93	67	100	100	
2	Challou	89	100	89	100	100	
3	Chingjarou C.V.	11	100	11	100	100	
4	Kharasom	22	26	70	100	100	
5	Paoyi	15	89	15	100	100	
6	Phungcham	89	100	89	100	100	
7	Soraphung	89	100	94	94	100	
8	Hatha	67	100	67	100	100	
9	Kachai	30	100	30	100	100	
10	Litan Sareikhong	96	100	96	100	100	
11	Ngaimu	94	100	94	100	100	
12	Nungshong Khunou	94	100	94	100	100	
13	Sanakeithel	67	100	67	100	100	
14	Shihai Khullen	89	100	89	100	100	
15	Tolloi	100	100	100	100	100	
16	Tushem	100	100	100	100	100	
17	Ukhrul	45	100	45	100	100	
18	Hundung	23	92	27	100	100	
19	Huining(Halang)	89	100	89	100	100	

\* Fully Functional has been computed as = Adequate Quantity ∩ Fully Regularity Supply ∩ Potable (Quality)



## 4.3. Villages not meeting the quality parameters

I.       pH (Acceptable Range - 6.5 to 8.5)         S.No.       Block Name       Panchayat Name       Villages       No. of HHs outside the acc         NA       NA       NA       NA       NA       NA         2.       Free residual chlorine (Acceptable Range- 0.2 to 1 PPM)       HHs outside the acceptable/permissible range         3.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/permissible range         1       Chingai       Challow       Challou       HHs outside the acceptable/permissible range         2       Chingiarou       Chingiarou       Chingiarou       Chingiarou         3       Kharasom       Hasoutside the acceptable/permissible range         4       Paoyei       Paoyi       Edition         5       Soraphung       Soraphung       Soraphung         6       Soraphung       Soraphung       Hining(Halang)         10       Huining(Halang)       Huining(Halang)       Litan         11       Litan       Litan       Litan       Sareikhong         12       Sareikhong       Sareikhong       Sareikhong         13       Ukhrul       Ukhrul       Ukhrul       Litan         1       Chingai       Soraphung <th></th> <th>ble range HHs with no chlorine 16 1 1 1 5 16 9 9 9 8 8 18 18 18 4 14 26</th>		ble range HHs with no chlorine 16 1 1 1 5 16 9 9 9 8 8 18 18 18 4 14 26			
2.       Free residual chlorine (Acceptable Range- 0.2 to 1 PPM)         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/permissible range         1       Chingai       Challow       Challou       Chingiarou       Chingiarou         2       Christian       Chingiarou       Chingiarou       Chingiarou       Chingiarou         4       Paoyei       Paoyi       Paoyi       Paoyi       Paoyi         5       Soraphung       Soraphung       Soraphung       Soraphung         7       Lungchong       Kachai       Kachai       Maimu         8       Meiphai       Ngaimu       Ngaimu       Ngaimu         9       Tolloi       Tolloi       Tolloi       Paoyi         11       Huning(Halang)       Hunining(Halang)       Nungshong         12       Sareikhong       Sareikhong       Sareikhong         13       Turbidity (Acceptable Range- 1 to 5 NTU)       Sareikhong       Soraphung         14       (Tushar)       Ukhrul       Ukhrul       HHs outside the acceptable/p         14       Turbidity (Acceptable Range- 1 to 5 NTU)       Sareikhong       HHs outside the acceptable/p         15       Nome       Name	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	no chlorine 16 1 15 16 9 9 9 9 8 8 18 18 18 4 14			
S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible range1ChingiariChallowChallou2Chingiarou ChingiarouChingiarou C.V. ChinsianChingiarou C.V. Chinsian4PaoyeiPaoyi4PaoyeiPaoyi5PhungchamPhungcham6SoraphungSoraphung7Lungchong MeiphaiKachai8MeiphaiNgaimuNgaimu9TolloiTolloi10Huining(Halang)Huining(Halang)11HundungHundung12Nungshong KhunouNungshong Khunou13Nungshong KhunouNungshong Khunou14UkhrulUkhrul15UkhrulUkhrul16SoraphungSoraphung13SoraphungSoraphung14Elock NamePanchayat Name15NameName16SoraphungSoraphung17Litan (Tushar)HHs outside the acceptable/p18KhunouKhunou19Khunou10KhunouKhunou11NameName12NameName13KachaiKhunou14Coceptable Range- 1 to 5 NTU15UkhrulUkhrul16Soraphung17Soraphung18Soraphung19Soraphung10Soraphung <th>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>no chlorine 16 1 15 16 9 9 9 9 8 8 18 18 18 4 14</th>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	no chlorine 16 1 15 16 9 9 9 9 8 8 18 18 18 4 14			
S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible range1ChingaiChallowChallou2Chingjarou ChingjarouChingjarou C.V. ChinsianChingjarou C.V. Chinsian4PaoyeiPaoyi4PaoyeiPaoyi5PhungchamPhungcham6SoraphungSoraphung7Lungchong MeiphaiKachaiKachai8MeiphaiNgaimuNgaimu9TolloiTolloi10TolloiTolloi11HundungHundung12Nungshong KhunouNungshong Khunou13Nungshong NungshongNungshong Khunou14UkhrulUkhrul15UkhrulUkhrul16SoraphungSoraphung17Litan TushenLitan Tushen18VillagesHHs outside the acceptable/p19VillagesHHs outside the acceptable/p10SoraphungSoraphung11SoraphungSoraphung12SoraphungSoraphung13SoraphungSoraphung14TushenTushen15SoraphungSoraphung16SoraphungSoraphung17SoraphungSoraphung18PanchayatNameNameNameNa19SoraphungSoraphung10SoraphungSoraphung11 </th <th>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>no chlorine 16 1 15 16 9 9 9 9 8 8 18 18 18 4 14</th>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	no chlorine 16 1 15 16 9 9 9 9 8 8 18 18 18 4 14			
2       Chingjarou Christian       Chingjarou C.V. Christian         3       Kharasom       Kharasom         4       Paoyei       Paoyi         5       Phungcham       Phungcham         6       Soraphung       Soraphung         7       Lungchong       Kachai       Kachai         8       Meiphai       Ngaimu       Ngaimu       Ngaimu         9       Tolloi       Tolloi       Tolloi       Tolloi         10       Huining(Halang)       Huining(Halang)       Hundung       Hundung         11       Hundung       Hundung       Hundung       Hundung       Hundung         12       Sareikhong       Sareikhong       Sareikhong       Sareikhong         13       Khunou       Khunou       Khunou       Khunou       Hundung         14       Turbidity (Acceptable Range- 1 to 5 NTU)       Ukhrul       Ukhrul       Ukhrul       Ukhrul         1       Chingai       Soraphung       Soraphung       HHs outside the acceptable/p         1       Chingai       Soraphung       Soraphung       HHs outside the acceptable/p         1       Chingai       Soraphung       Soraphung       HHs outside the acceptable/p <t< th=""><th>0 0 0 0 0 0 0 0 0 0 0 0 0 0</th><th>1 15 16 9 9 8 18 18 18 4 14</th></t<>	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 15 16 9 9 8 18 18 18 4 14			
2       Christian       Karasom         3       Kharasom       Paoyei         4       Paoyei       Paoyi         5       Phungcham       Phungcham         6       Soraphung       Soraphung         7       Lungchong       Kachai       Kachai         8       Meiphai       Ngaimu       Ngaimu       Ngaimu         9       Tolloi       Tolloi       Tolloi         10       Huining(Halang)       Huining(Halang)       Huining(Halang)         11       Hundung       Hundung       Hundung         12       Sareikhong       Sareikhong       Sareikhong         13       Khunou       Khunou       Khunou       Khunou         14       (Tushar)       Ukhrul       Ukhrul       Ukhrul         15       Ukhrul       Ukhrul       Ukhrul       Ukhrul         3. Turbidity (Acceptable Range- 1 to 5 NTU)       Soraphung       HHs outside the acceptable/p         1       Chingai       Soraphung       Soraphung         4.       Tottal hardness (Acceptable Range- 200 to 600 Milligram/litre)       SNo.         Block       Panchayat       NA       NA         NA       NA       NA	0 0 0 0 0 0 0 0 0 0 0 0 0	15 16 9 9 8 18 18 18 4 14			
3       Kharasom       Kharasom         4       Paoyei       Paoyi         5       Phungcham       Phungcham         6       Soraphung       Soraphung         7       Lungchong       Kachai       Kachai         8       Meiphai       Ngaimu       Ngaimu       Ngaimu         9       Tolloi       Tolloi       Huining(Halang)         10       Huining(Halang)       Huining(Halang)       Huining(Halang)         11       Litan       Litan       Litan         12       Sareikhong       Sareikhong       Sareikhong         13       Nungshong       Nungshong       Nungshong         14       Ukhrul       Ukhrul       Ukhrul         15       Ukhrul       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range- 1 to 5 NTU)       Soraphung         5.No.       Block       Panchayat       Villages         Name       Name       Name       Name         Name       Name       Name       Na         NA       NA       NA       NA         NA       NA       NA       NA         S.No.       Block Name       Panchayat Name	0 0 0 0 0 0 0 0 0 0 0 0	16 9 9 8 18 18 4 14			
4       Paoyei       Paoyi         5       Phungcham       Phungcham         6       Soraphung       Soraphung         7       Lungchong       Kachai       Kachai         8       Meiphai       Ngaimu       Ngaimu       Ngaimu         9       Tolloi       Tolloi       Tolloi         10       Huining(Halang)       Hundung       Hundung         11       Hundung       Hundung       Hundung         12       Sareikhong       Sareikhong       Sareikhong         13       Khunou       Khunou       Khunou       Khunou         14       Ukhrul       Ukhrul       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range- 1 to 5 NTU)       Soraphung       HHs outside the acceptable/p         1       Chingai       Soraphung       NA       NA         5.       Total hardness       (Acceptable Range- 200 to 600 Milligram/litre) </td <td>0 0 0 0 0 0 0 0 0 0 0 0</td> <td>16 9 9 8 18 18 4 4</td>	0 0 0 0 0 0 0 0 0 0 0 0	16 9 9 8 18 18 4 4			
5       Phungcham       Phungcham         6       Soraphung       Soraphung         7       Lungchong       Kachai       Kachai         8       Meiphai       Ngaimu       Ngaimu       Ngaimu         9       Tolloi       Tolloi       Tolloi         10       Huining(Halang)       Huining(Halang)       Hundung         11       Hundung       Hundung       Hundung         12       Sareikhong       Sareikhong       Sareikhong         13       Khunou       Khunou       Khunou       Khunou         14       Ukhrul       Ukhrul       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range-1 to 5 NTU)       Soraphung       HHs outside the acceptable/p         1       Chingai       Soraphung       Soraphung       HHs outside the acceptable/p	0 0 0 0 0 0 0 0 0	9 9 8 18 18 4 4 14			
6       Soraphung       Soraphung         7       Lungchong       Kachai       Kachai         8       Meiphai       Ngaimu       Ngaimu         9       Tolloi       Tolloi         10       Tolloi       Tolloi         11       Huining(Halang)       Huining(Halang)         11       Hundung       Hundung         12       Sareikhong       Sareikhong         13       Sareikhong       Sareikhong         13       Nungshong       Nungshong         14       Tushen       Tushem         14       Ukhrul       Ukhrul         15       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range- 1 to 5 NTU)         S.No.       Block       Panchayat         Name       Name       Villages         14       Chingai       Soraphung         5. Not.       Block       Panchayat         Name       Name       Villages         HHs outside the acceptable/p       NA         NA       NA       NA         NA       NA       NA         NA       NA       NA         S.No.       Block Name       Panch	0 0 0 0 0 0 0 0	9 8 18 18 4 4			
7Lungchong MeiphaiKachaiKachai8MeiphaiNgaimuNgaimu9TolloiTolloi10TolloiTolloi10Huining(Halang)Huining(Halang)11Huining(Halang)Hundung12SareikhongSareikhong12SareikhongSareikhong13NungshongNungshong14KhunouKhunou15UkhrulUkhrul3.Turbidity (Acceptable Range- 1 to 5 NTU)S.No.Block NamePanchayat NameVillages1ChingaiSoraphungSoraphung4.Total hardness (Acceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pNANANANANANANANANANA <t< td=""><td>0 0 0 0 0 0</td><td>8 18 18 4 14</td></t<>	0 0 0 0 0 0	8 18 18 4 14			
8       Meiphai       Ngaimu       Ngaimu       Ngaimu         9       Tolloi       Tolloi       Tolloi         10       Huining(Halang)       Huining(Halang)         11       Hundung       Hundung         12       Sareikhong       Sareikhong         13       Nungshong       Nungshong         14       Tushen       Tushem         15       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range- 1 to 5 NTU)         S.No.       Block       Panchayat         Name       Name       Villages         4.       Total hardness (Acceptable Range- 200 to 600 Milligram/litre)         S.No.       Block       Panchayat         Name       Name       Villages         NA       NA       NA         NA       NA       NA         S.No.       Block       Panchayat         Name       Name       Villages         HHs outside the acceptable/p         NA       NA         NA       NA         S.No.       Block       Panchayat         Name       Name       NA         S.No.       Block       Panchayat      <	0 0 0 0 0 0	18 18 4 14			
9       Tolloi       Tolloi         10       Huining(Halang)       Huining(Halang)         11       Hundung       Hundung         12       Sareikhong       Sareikhong         12       Sareikhong       Sareikhong         13       Hungshong       Nungshong         14       Tushen       Tushem         15       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range-1 to 5 NTU)         S.No.       Block       Panchayat         Name       Name       Villages         4.       Totlal hardness (Acceptable Range- 200 to 600 Milligram/litre)         S.No.       Block       Panchayat         NAme       NA       NA         NA       NA       NA         S.No.       Block       Panchayat         Name       Name       NA         S.No.       Block       Panchayat      N	0 0 0 0	18 4 14			
10       Huining(Halang)       Huining(Halang)         11       Hundung       Hundung         12       Sareikhong       Sareikhong         12       Sareikhong       Sareikhong         13       Nungshong       Nungshong         13       Khunou       Khunou         14       Tushen       Tushem         15       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range-1 to 5 NTU)         S.No.       Block       Panchayat         Name       Name       Villages         4.       Total hardness (Acceptable Range- 200 to 600 Milligram/litre)         S.No.       Block       Panchayat         NA       NA       NA         NA       NA       NA         NA       NA       NA         S.No.       Block       Panchayat         NA       NA       NA         NA       NA       NA         NA       NA       NA         S.No.       Block       Panchayat         NA       NA       NA         NA       NA       NA         S.No.       Block       Panchayat         Name       Na	0 0 0 0	4 14			
11HundungHundung12LitanLitan12SareikhongSareikhong12SareikhongNungshong13NungshongNungshong13KhunouKhunou14TushenTushem15UkhrulUkhrul3. Turbidity (Acceptable Range-1 to 5 NTU)S.No.BlockPanchayat NameVillages1ChingaiSoraphungSoraphung4. Totaratisti (Acceptable Range-200 to 600 Milligram/litre)HHs outside the acceptable/pNANANANAS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameHHs outside the acceptable/pNANANANAS.No.Block NamePanchayat NameHHs outside the acceptable/pNANANANAS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesNANANANANANANANAS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pNANANANANANAS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/p </td <td>0 0 0</td> <td>14</td>	0 0 0	14			
12       Litan       Litan         12       Sareikhong       Sareikhong         13       Nungshong       Nungshong         13       Khunou       Khunou         13       Tushen       Tushem         14       (Tushar)       Ukhrul         15       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range- 1 to 5 NTU)         S.No.       Block       Panchayat         Name       Name       Villages         HHs outside the acceptable/p         1       Chingai       Soraphung         S.No.       Block       Panchayat         Name       Name       Villages         HHs outside the acceptable/p         1       Chingai       Soraphung         S.No.       Block       Panchayat         NA       NA       NA         NA       NA       NA         S.No.       Block       Panchayat         Name       Name       Na         S.No.       Block       Panchayat         NA       NA       NA         S.No.       Block       Panchayat         Name       Name       NA	0				
12       Sareikhong       Sareikhong         13       Nungshong       Nungshong         13       Khunou       Khunou         14       Tushen       Tushem         14       (Tushar)       Ukhrul         15       Ukhrul       Ukhrul         3.       Turbidity (Acceptable Range- 1 to 5 NTU)         S.No.       Block       Panchayat         Name       Name       Villages         4.       Total hardness       (Acceptable Range- 200 to 600 Milligram/litre)         S.No.       Block       Panchayat         Name       Name       Villages         HHs outside the acceptable/p       Soraphung         5.       Notal hardness       (Acceptable Range- 200 to 600 Milligram/litre)         S.No.       Block       Panchayat         NA       NA       NA         NA       NA       NA         S.No.       Block       Panchayat         Name       Name       Villages         HHs outside the acceptable/p       NA         NA       NA       NA         S.No.       Block       Panchayat         Name       Name       Villages         HHs outside	0	26			
13       Nungshong Khunou       Nungshong Khunou         14       Tushen (Tushar)       Tushem         15       Ukhrul       Ukhrul         3. Turbidity (Acceptable Range-1 to 5 NTU)       Ukhrul         3. Turbidity (Acceptable Range-1 to 5 NTU)       HHs outside the acceptable/p         1       Chingai       Soraphung         4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre)       HHs outside the acceptable/p         5. No.       Block Name       Panchayat Name       Villages         HHs outside the acceptable/p       Soraphung       HHs outside the acceptable/p         1       Chingai       Soraphung       Soraphung         S.No.       Block Name       Panchayat Name       Villages         HHs outside the acceptable/p       NA       NA         NA       NA       NA       NA         S.No.       Block Name       Panchayat Name       Villages         HHs outside the acceptable/p       NA       NA         NA       NA       NA       NA         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA       NA <t< td=""><td>-</td><td></td></t<>	-				
13       Khunou       Khunou         14       Tushen       Tushem         14       (Tushar)       Ukhrul         15       Ukhrul       Ukhrul         3. Turbidity (Acceptable Range-1 to 5 NTU)       HHs outside the acceptable/p         3. Turbidity (Acceptable Range- 200 to 5 NTU)       HHs outside the acceptable/p         1       Chingai       Soraphung       Soraphung         4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre)       HHs outside the acceptable/p         NA       NA       NA       NA         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA       NA         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA       NA	-	·			
14Tushen (Tushar)Tushem15UkhrulUkhrul3. Turbidity (Acceptable Range- 1 to 5 NTU)S.No.Block NamePanchayat NameVillages1ChingaiSoraphungSoraphung4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/p1ChingaiSoraphung4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pNANANA5. Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameNANANAS.No.Block NamePanchayat NameNANANAS.No.Block NamePanchayat NameNANANAS.No.Block NamePanchayat NameNANANANANAS.No.Block NamePanchayat NameS.No.Block NamePanchayat NameS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pS.No.Block NamePanchayat NameS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/p	0	17			
14(Tushar)Ukhrul15UkhrulUkhrul3. Turbidity (Acceptable Range-1 to 5 NTU)S.No.Block NamePanchayat NameVillages1ChingaiSoraphungSoraphung4. Totardness (Acceptable Range-200 to 600 Milligram/litre)S.No.Block NamePanchayat NameMameNameVillages4. Totardness (Acceptable Range-200 to 600 Milligram/litre)S.No.Block NamePanchayat NameNANANANANANAS.No.Block NamePanchayat NameS.No.Block NamePanchayat NameS.No.Block NamePanchayat NameNANANAS.No.Block NamePanchayat NameNANANAS.No.Block NamePanchayat NameNANANAS.No.Block NamePanchayat NameNANANAS.No.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block NamePanchayat NameNo.Block Na	0				
15UkhrulUkhrul3. Turbidity (Acceptable Range-1 to 5 NTU)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/p1ChingaiSoraphungSoraphung4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pA. Total hardness (Acceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameNAS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pNANAS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pNameVillagesHHs outside the acceptable/pNameName		8			
3. Turbidity (Acceptable Range-1 to 5 NTU)         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         1       Chingai       Soraphung       Soraphung       HHs outside the acceptable/p         4.       Total hardness (Acceptable Range- 200 to 600 Milligram/litre)       Block       Panchayat       Villages         S.No.       Block       Panchayat       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA         5.       Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre)       NA         S.No.       Block       Panchayat       Villages         S.No.       Block       Panchayat       NA         NA       NA       NA       NA         S.No.       Block       Panchayat       Villages         NA       NA       NA       NA         NA       NA       NA       NA         NA       NA       NA       NA         S.No.       Block       Panchayat       Villages         NA       NA       NA       NA         S.No.       Block       Panchayat       Villages         S.No.       Block <td></td> <td></td>					
Block NamePanchayat NameVillagesHHs outside the acceptable/p1ChingaiSoraphungSoraphung4. Total hardnessKacceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameHHs outside the acceptable/pNANANANAS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NANAS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesNANANANAS.No.Block NamePanchayat NameNAS.No.Block NamePanchayat NameNAS.No.Block NamePanchayat NameNAS.No.Block NamePanchayat NameNAS.No.Block NamePanchayat NameNAS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pNANA	0	5			
S.No.     Name     Name     Name     Villages     HHs outside the acceptable/p       1     Chingai     Soraphung     Soraphung       4.     Total hardness (Acceptable Range- 200 to 600 Milligram/litre)       S.No.     Block     Panchayat     Villages       NA     NA     NA     NA       S.No.     Block     Panchayat     Villages       NA     NA     NA     NA       S.No.     Block     Panchayat     Villages       S.No.     Block     Panchayat     Villages       NA     NA     NA     NA       S.No.     Block     Panchayat     NA       S.No.     Block     Panchayat     NA       S.No.     Block     Panchayat     NA       Name     Villages     HHs outside the acceptable/p					
4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre)         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA         5. Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre)       NA       NA         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       HHs outside the acceptable/p         NA       NA       NA       NA       NA         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p         S.No.       Block Name       Panchayat Name       Villages       HHs outside the acceptable/p	ermis	ssible range			
S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/pNANANANANA5.Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre)S.No.Block NamePanchayat NameVillagesNANANANA6.Choride (Acceptable Range- 250 to 1000 Milligram/litre)S.No.Block NamePanchayat NameNANANANANAHHs outside the acceptable Range- 250 to 1000 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/p		1			
S.No.     Name     Name     Name     Name     Villages     HHs outside the acceptable/p       NA     NA     NA     NA     NA       5.     Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre)       S.No.     Block     Panchayat     Villages       NA     NA     NA     NA       S.No.     Block     Panchayat     Villages       NA     NA     NA     NA       6.     Choride (Acceptable Range- 250 to 1000 Milligram/litre)       S.No.     Block     Panchayat       Name     Name     Villages					
NA     NA     NA     NA       5.     Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre)       S.No.     Block     Panchayat     Villages       NA     NA     NA     HHs outside the acceptable/p       NA     NA     NA     NA       6.     Chloride (Acceptable Range- 250 to 1000 Milligram/litre)       S.No.     Block     Panchayat       NA     NA     NA     NA	ermis	sible range			
5. Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre)         S.No.       Block       Panchayat       Villages       HHs outside the acceptable/p         NA       NA       NA       NA       NA         6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre)       S.No.       Block       Panchayat         S.No.       Block       Panchayat       Villages       HHs outside the acceptable/p         S.No.       Block       Panchayat       Villages       HHs outside the acceptable/p					
S.No.     Block Name     Panchayat Name     Villages     HHs outside the acceptable/p       NA     NA     NA     NA     NA       6.     Chloride (Acceptable Range- 250 to 1000 Milligram/litre)       S.No.     Block Name     Panchayat Name     Villages       HHs outside the acceptable/p					
S.No.         Name         Name         Name         Villages         HHs outside the acceptable/p           NA         NA         NA         NA         NA         NA           6.         Chloride (Acceptable Range- 250 to 1000 Milligram/litre)         NA         S.No.         Block Name         Panchayat Name         Villages         HHs outside the acceptable/p					
NA         NA         NA         NA           6.         Chloride (Acceptable Range- 250 to 1000 Milligram/litre)           S.No.         Block Name         Panchayat Name         Villages         HHs outside the acceptable/p	ermis	sible range			
6.         Chloride (Acceptable Range- 250 to 1000 Milligram/litre)           S.No.         Block Name         Panchayat Name         Villages         HHs outside the acceptable/p					
S.No. Block Panchayat Villages HHs outside the acceptable/p					
S.No. Name Name Villages HHS outside the acceptable/p					
	ermis	sible range			
NA NA NA NA NA					
7. Ammonia (Acceptable Range- 0.5 Milligram/litre)					
Block Banchavat	or!-				
S.No. Name Name Villages HHs outside the acceptable/p	ermis	sible range			
NA NA NA NA					
8. Iron (Acceptable Range- 1 Milligram/litre)					
Block Panchavat		- 1			
S.No. Name Name Villages HHs outside the acceptable/p	ermis	ssible range			
NA NA NA NA NA					
9. Nitrate (Acceptable Range- 1 Milligram/litre)					
Block Panchavat					
S.No. Name Name Villages HHs outside the acceptable/p	ermis	ssible range			
NA NA NA NA NA					
10. Sulphate (Acceptable Range- 200 to 400 Milligram/litre)					
Block Banchavat					
S.No. Name Name Villages HHs outside the acceptable/p	-	sible range			
NA NA NA NA NA	ermis				
11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre)	ermis				



Table I	Table No. 8: Quality parameters dissatisfied at village level					
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range		
NA	NA	NA	NA	NA		
12. Ba	12. Bacteriological test (Presence)					
S.No.	Block	Panchayat	Villagoo	He outside the accentable/permissible range		
5.NO.	Name	Name	Villages	HHs outside the acceptable/permissible range		
NA	NA	NA	NA	NA		
13. Flu	13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre)					
S.No.	Block	Panchayat	Villageo	Ullo outoido the accontable/normicaible renge		
5.NO.	Name	Name	Villages	HHs outside the acceptable/permissible range		
NA	NA	NA	NA	NA		
14. Ar	14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre)					
C No	Block	Panchayat	Villageo	Ullo outoido the accontable/normicaible renge		
S.No.	Name	Name	Villages	HHs outside the acceptable/permissible range		
NA	NA	NA	NA	NA		

